



## **Funding Opportunities**

*A Sampling of Federal, State and Private Funding Opportunities for Research, Education and Creative Activity*

March, 2015

**PLEASE NOTE; SUBMISSIONS FOR GRANTS STIPULATING A LIMITED COMPETITION/SUBMISSION MUST BE REVIEWED THROUGH AN INTERNAL FSU PROCESS. PLEASE VISIT THE LIMITED SUBMISSIONS SITE FOR MORE INFORMATION:**  
<http://www.research.fsu.edu/limitedsubmission>

**Find Funding By Area** (click on items below to go directly to pages)

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# Arts & Humanities

## IMLS

### National Endowment for the Arts

#### **NEA Challenge America, FY2016 Grant**

The Challenge America category offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. Age alone (e.g., youth, seniors) does not qualify a group as underserved; at least one of the underserved characteristics noted above also must be present. Grants are available for professional arts programming and for projects that emphasize the potential of the arts in community development. This category encourages and supports the following two objectives: • Engagement: Engaging the public with diverse and excellent art. • Livability: The strengthening of communities through the arts. You will be asked to select the objective that is most relevant to your project. Deadline is April 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270429>

### National Endowment for the Humanities

#### **Challenge Grants Grant**

The mission of the NEH Office of Challenge Grants is to advance knowledge and understanding in the humanities by strengthening the institutional base of humanities teaching, scholarly research, public programming, and other humanities activities. Challenge grants are capacity-building grants, intended to support significant humanities activities of high intellectual quality and to help institutions secure long-term support for their humanities programs. Through these grants many organizations and institutions have been able to increase their humanities capacity and secure the permanent support of an endowment. Grants may be used to establish or enhance endowments or spend-down funds that generate expendable earnings to support and enhance ongoing program activities. Challenge grants may also provide capital directly supporting the procurement of long-lasting objects, such as acquisitions for archives and collections, the purchase of equipment, and the construction or renovation of facilities needed for humanities activities. Funds spent directly must be shown to bring long-term benefits to the institution and to the humanities more broadly. Grantee institutions may also expend up to 10 percent of total grant funds (federal funds plus matching funds) to defray costs of fundraising to meet the NEH challenge. Because of the matching requirement, these NEH grants also strengthen the humanities by encouraging nonfederal sources of support. Applications are welcome from colleges and universities, museums, public libraries, research institutions, historical societies and historic sites, scholarly associations, state humanities councils, and other nonprofit humanities entities. Deadline is May 5, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273828>

#### **Humanities Open Book Program Grant**

The Humanities Open Book Program is designed to make outstanding out-of-print humanities books available to a wide audience. By taking advantage of low-cost ebook technology, the program will allow teachers, students, scholars, and the public to read humanities books that have long been out of print. Humanities Open Book is jointly sponsored by NEH and the Andrew W. Mellon Foundation. Traditionally, printed books have been the primary medium for expressing, communicating, and debating humanistic ideas. However, the vast majority of humanities books sell a small number of copies and then quickly go out of print. Most scholarly books printed since 1923 are not in the public domain and are not easily available to the general public. As a result, there is a huge, mostly untapped resource of remarkable scholarship going back decades that is largely unused by today's scholars, teachers, students, and members of the public, many of whom turn first to the Internet when looking for information. Modern ebook technology can make these books far more accessible than they are today. NEH and Mellon are soliciting proposals from academic presses, scholarly societies, museums, and other institutions that publish books in the humanities to participate in the Humanities Open Book Program. Applicants will provide a list of previously published humanities books along with brief descriptions of the books and their intellectual significance. Deadline is June 10, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271529>

# Social Science, Education, Law & Business

## Department of Agriculture

### **Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers and Veteran Farmers and Ranchers Grant**

The primary purpose of the Outreach Assistance for Socially Disadvantaged Farmers and Ranchers and Veteran Farmers and Ranchers Grant Program (2501 Program) is to enhance the coordination of outreach, technical assistance, and education efforts, to reach socially disadvantaged and veteran farmers and ranchers in a linguistically appropriate manner and to improve their participation in the full range of USDA programs. This program will assist eligible community-based and non-profit organizations, higher education institutions, and tribal entities in providing outreach and technical assistance to socially disadvantaged and veteran farmers and ranchers. Deadline is April 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274608>

## Agency for International Development

### **Expanding Participation of People with Disabilities Program - 2014 Disability Funding Grant**

The U.S. Agency for International Development (USAID) in Macedonia would like to bring to the attention of prospective organizations and existing USAID recipients and contractors an exciting funding opportunity to increase the participation of people with disabilities (PWD) in USAID programs/activities and strengthen the capacity and services of Disabled People's Organizations (DPO) in Macedonia. Deadline is July 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271169>

### **Social Science Research in Population and Reproductive Health Grant**

The purpose of the APS is to publicize the United States Government's (USG) plan to fund one award through USAID/Washington's Office of Population and Reproductive Health (PRH) to support a broad range of social science and behavioral research and technical assistance on a focused set of family planning and reproductive health (FP/RH) issues. The objective of the APS is described below. Funds may support activities that develop and test scalable interventions to achieve social and normative change for FP/RH outcomes; build on existing activities to test evidence-based practices/interventions in new settings; provide technical assistance for replication and scale up of successful interventions; and monitor and evaluate the impact and sustainability of scale up of evidence-based interventions, including evaluation of current or previous activities funded by USAID or other donors. The award under this APS will contribute to PRH's strategic objective of advancing and supporting FP/RH programs worldwide and health objectives of reducing unintended pregnancies, abortion, and improving maternal and child health. This APS will address two cross-cutting issues for PRH, gender and youth, which are also Agency-wide focal areas as highlighted in USAID's Youth in Development Policy and Gender Equality and Female Empowerment Policy. Deadline is November 11, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269551>

### **DIV APS Grant**

Development Innovation Ventures (DIV) supports the piloting and rigorous testing of innovative approaches to solving international development problems and transitioning innovations with evidence of impact and cost effectiveness to scale. DIV's aim is to create a portfolio of innovations that improves lives for millions of the poor around the world, especially individuals in poverty or extreme poverty, and other vulnerable groups. DIV funds innovation that targets USAID's Mission Statement. Innovations could include new technologies, new ways of delivering and/or financing goods and services, more cost-effective adaptations of existing solutions, new ways to increase uptake of existing proven solutions, etc. The more funding requested, the more confidence DIV will need in the evidence-base underpinning the innovation. This includes gathering appropriate evidence of impact and/or commercial viability at each stage and for each type of scale path. Solutions must have a potential pathway to scale commercially or through incorporation into the practices of developing country governments, donors, philanthropists, or through a combination of commercial and public or philanthropic support. Innovations should ultimately reach sustainability without continuing DIV support. DIV employs a staged funding model, with size of investment commensurate with evidence of potential for success. DIV recognizes that organizations supported will need flexibility to iterate and adapt innovations and DIV strives to provide this flexibility. To attract the best innovations, applications on all development topics and sectors are welcome. DIV welcomes applications from U.S. and non-US organizations, individuals, non-profit, and for-profit entities, provided their work is in a country where USAID operates. Deadline is August 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=253931>

**CALL FOR PARTNERSHIP CONCEPT PAPERS MIDDLE EAST WATER SECURITY INITIATIVE in Egypt, Jordan, Lebanon, West Bank/Gaza, and Yemen Grant**

This program is authorized in accordance with Part 1 of the Foreign Assistance act of 1961, as amended. Through this Addendum to the FY 2014 and FY 2015 Global Development Alliance (GDA) Annual Program Statement (APS) No. APS-OAA-14-000001 (the GDA APS), USAID/Middle East is making a special call for the submission of Concept Papers focused on the Middle East Water Security Initiative (MWSI). The goal of the MWSI is to improve sustainable, long-term access to water for up to 20 million people living in the Middle East. The MWSI will target Egypt, Jordan, Lebanon, West Bank/Gaza, and Yemen and promote sharing of best practices and lessons learned among the five participating countries. To achieve its bold but doable goal, MWSI will engage both international and local actors from the private sector, civil society, public sector, and other organizations to (a) support dynamic young entrepreneurs, researchers, and consumers with opportunities to develop, test, scale-up and market "water-smart" technologies; and (b) increase awareness of and local ability to address water security challenges in the Middle East through behavior change and advocacy campaigns. Deadline is October 1, 2017. <http://www.grants.gov/web/grants/view-opportunity.html?oppld=258564>

## **Department of Commerce**

## **Department of Defense**

## **Department of Education**

### **FY 2015 Future Leaders Exchange (FLEX) Program Organizational Components Grant**

The Office of Citizen Exchanges, Youth Programs Division, of the Bureau of Educational and Cultural Affairs (ECA) announces an open competition for a grant to manage the FY15 organizational components of the Future Leaders Exchange (FLEX) program. The FLEX program addresses U.S. foreign policy goals. The Office of Citizen Exchanges is consolidating the FLEX and A-SMYLE Organizational Components into one program under the FLEX program brand name in FY 2015. The FLEX program provides scholarships for high school students from Europe and Eurasia to live in the United States for an academic year. In turn, these students expose U.S. citizens to the culture, traditions, and lifestyles of people of their home countries. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273789>

### **OSERS: OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities: Television Access CFDA Number 84.327C Grant**

The purposes of the Educational Technology, Media, and Materials for Individuals with Disabilities Program 1 are to improve results for children with disabilities by: (1) Promoting the development, demonstration, and use of technology; (2) supporting educational media activities designed to be of educational value in the classroom for students with disabilities; (3) providing support for captioning and video description that is appropriate for use in the classroom; and (4) providing accessible educational materials to students with disabilities in a timely manner. Deadline is March 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271449>

## **Department of Health and Human Services**

### **Administration for Children and Families Administration for Children and Families - ACYF/CB Building the Evidence for Family Group Decision-Making in Child Welfare Grant**

The purpose of this funding opportunity announcement (FOA) is to solicit proposals for 36-month demonstration projects which will: 1. Conduct a Family Group Decision-Making (FGDM) program which effectively supports family connections and engages family members in ways that achieve positive outcomes for the target population of children who are in, or at risk of entering, foster care and their families; and 2. Analyze the implementation, impact and cost of the FGDM program, through a rigorous local evaluation and cross-site evaluation participation, and produce high level evidence of what worked and why, in order to contribute to the evidence base for FGDM practice. Grant projects will implement and evaluate a FGDM program, which includes essential elements required under this FOA. Grant projects will be designed to support families in making decisions and developing plans that nurture children in the target population, protect them from abuse and neglect, and, when appropriate, address domestic violence issues in a safe manner. Deadline is April 24, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274741>

### **Administration for Children and Families Administration for Children & Families - ACYF/FYSB Basic Center Program Grant**

The Administration for Children and Families' (ACF), Administration on Children, Youth and Families' (ACYF), Family and Youth Services Bureau (FYSB) will award funding for the Basic Center Program (BCP). The purpose of the BCP is to provide an alternative for runaway and homeless youth who might otherwise end up with law enforcement or in the child welfare, mental health, or juvenile justice systems. The BCP works to establish or strengthen community-based programs that meet the immediate needs of runaway and homeless youth and their families. The programs provide youth up to age 18 years with emergency shelter, food, clothing, counseling and referrals for health care. Most basic centers can provide 21 days of shelter for up to 20 youth at a time. There are

exceptions for jurisdictions that have different standards for licensing. Basic Centers seek to reunite young people with their families, whenever possible, or to locate appropriate alternative placements. Services will include: street-based services; home-based services for families with youth at risk of separation from the family; drug abuse education and prevention services; and at the request of runaway and homeless youth, testing for sexually transmitted infections. Deadline is April 10, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273528>

#### **FY15 Announcement of the Anticipated Availability of Funds for Phase I Research on Research Integrity Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to foster innovative approaches to empirical research on societal, organizational, group, and individual factors that affect, both positively and negatively, integrity in research. Integrity is defined as the use of honest and verifiable methods in proposing, performing, and evaluating research and reporting research results with particular attention to adherence to rules, regulations, guidelines, and commonly accepted professional codes or norms. Deadline is April 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271790>

### **Department of Homeland Security**

#### **Department of the Interior**

#### **Department of Justice**

##### **BJA FY 15 Smart Defense Initiative: National Training and Technical Assistance Grant**

The Smart Defense Initiative, administered by BJA, is part of BJA's "Smart Suite" of criminal justice programs including Smart Pretrial, Smart Policing, Smart Supervision, and Smart Prosecution. BJA established the Smart Suite over 5 years ago with the creation of the Smart Policing Initiative. The Smart Suite supports criminal justice professionals in building evidencebased, data-driven criminal justice strategies that are effective, efficient, and economical. BJA's smart programs represent a strategic approach that brings more "science" into criminal justice operations by leveraging innovative applications of analysis, technology, and evidence-based practices. The purpose of Smart Defense is to improve the quality of public defense delivery systems guided by the Ten Principles of a Public Defense Delivery System, promulgated by the American Bar Association (ABA). The ABA Ten Principles of a Public Defense Delivery System (the ABA Ten Principles) represent fundamental building blocks for implementing quality legal representation for indigent criminal defendants. Released in 2002, the ABA Ten Principles list the American Bar Association's recommendations for government officials and other parties who are charged with improving public defense delivery systems. These principles address defenders' appropriate function, workload, resources, training, and quality, and have been recognized by the Attorney General "as [an] essential guidepost for ensuring that our indigent defense efforts are as effective- and as efficient – as possible." To help jurisdictions strengthen state and local public defense delivery systems, BJA released a separate competitive grant announcement, the Smart Defense Initiative, to fund state and local sites. This competitive grant announcement specifically requests applications for one national training and technical assistance (TTA) provider to support and build capacity in the field and among those jurisdictions selected to be Smart Defense sites Deadline is April 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274717>

##### **BJA FY 15 Smart Defense Initiative Answering Gideon's Call: Improving Public Defense Delivery Systems Grant**

The Smart Defense Initiative, administered by BJA, is part of BJA's "Smart Suite" of criminal justice programs including Smart Pretrial, Smart Policing, Smart Supervision, and Smart Prosecution. BJA established the Smart Suite over 5 years ago with the creation of the Smart Policing Initiative. The Smart Suite supports criminal justice professionals in building evidence based, data-driven criminal justice strategies that are effective, efficient, and economical. BJA's smart programs represent a strategic approach that brings more "science" into criminal justice operations by leveraging innovative applications of analysis, technology, and evidence-based practices. The purpose of Smart Defense is to improve the quality of public defense delivery systems guided by the Ten Principles of a Public Defense Delivery System, promulgated by the American Bar Association (ABA). The ABA Ten Principles of a Public Defense Delivery System (the ABA Ten Principles) represent fundamental building blocks for implementing quality legal representation for indigent criminal defendants. Released in 2002, the ABA Ten Principles list the American Bar Association's recommendations for government officials and other parties who are charged with improving public defense delivery systems. These principles address defenders' appropriate function, workload, resources, training, and quality, and have been recognized by the Attorney General "as [an] essential guidepost for ensuring that our indigent defense efforts are as effective- and as efficient – as possible." To help jurisdictions strengthen state and local public defense delivery systems, BJA released a separate competitive grant announcement, the Smart Defense Initiative, to fund state and local sites. This competitive grant announcement specifically requests applications for one national training and technical

assistance (TTA) provider to support and build capacity in the field and among those jurisdictions selected to be Smart Defense sites. Deadline is April 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274716>

**BJA FY 15 Justice Reinvestment Initiative: State-Level Technical Assistance Grant**

Approximately 2.2 million people were incarcerated in federal, state, and local prisons and jails in 2013, a rate of 1 out of every 110 adults. After three years of declines, the prison population increased slightly in 2013, largely due to growth in state prison populations. These prisons face crowding and resource challenges. Accordingly, state spending on corrections has remained high. Over the last 25 years, state corrections expenditures have increased significantly—from \$12 billion in 1988 to more than \$55 billion in 2013. Justice reinvestment emerged as a way to address these issues through a targeted, data driven policymaking process. BJA, in a public/private partnership with The Pew Charitable Trusts, launched the Justice Reinvestment Initiative (JRI) in 2010 as a multistage process in which a jurisdiction increases the cost-effectiveness of its criminal justice system and reinvests savings into high-performing public safety strategies. JRI is a public-private partnership between BJA, the Pew Charitable Trusts, and JRI technical assistance (TA) and assessment providers. Funding from BJA is authorized under the Consolidated and Further Continuing Appropriations Act, 2015, Pub. L. 113-235. Deadline is April 23, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274714>

**NIJFY 2015 NIJ DNA Arrestee Collection Process Grant**

NIJ seeks applications from eligible States with designated DNA database laboratories for funding to assist with the costs associated with the implementation of DNA arrestee collection processes, in keeping with the purposes of the Katie Sepich Enhanced DNA Collection Act of 2012 (Public Law 112-253), thereby helping to improve the capacity of laboratories that conduct DNA analysis of DNA database samples. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274028>

**OVW FY 2015 Consolidated Grant Program to Address Children and Youth Experiencing Domestic and Sexual Assault and Engage Men and Boys as Allies Grant**

Sexual assault, domestic violence, dating violence, and stalking are serious problems on college and university campuses. Congress created the Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program (hereinafter referred to as the Campus Program) in recognition of the unique issues and challenges that colleges and universities face in preventing and responding to these crimes. The Campus Program encourages a comprehensive coordinated community approach that enhances victim safety, provides services for victims and supports efforts to hold offenders accountable. The funding supports activities that develop and strengthen victim services and strategies to prevent, investigate, respond to and prosecute these crimes. The development of campus-wide coordinated responses involving campus victim service providers, law enforcement officers, health providers, housing officials, administrators, student leaders, faith-based leaders, representatives from student organizations, and disciplinary board members is critical. To be effective, campus responses must also link to local off-campus criminal justice agencies and service providers, including local law enforcement agencies, prosecutors' offices, courts, and nonprofit, nongovernmental victim advocacy and victim services organizations. Campuses are encouraged to create or revitalize large-scale efforts that treat sexual assault, domestic violence, dating violence, and stalking as serious offenses by adopting policies and protocols, developing victim services and programs that prioritize victim safety, ensuring offender accountability, and implementing effective prevention approaches. Colleges and universities should demonstrate to every student that these crimes will not be tolerated, that perpetrators will face serious consequences, and that holistic services are available for victims. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273268>

**NIJ FY 15 Research and Evaluation on Firearms Violence Reduction Grant**

NIJ seeks proposals for research and evaluation of programs, practices, and policies designed to reduce firearms violence. This solicitation aims to strengthen our knowledge base and improve public safety by supporting projects with a high potential for accurately measuring the effects of efforts to reduce firearms violence. Such firearms violence reduction efforts may take any of a variety of forms, including but not limited to, those that emphasize law enforcement, prosecution, prevention, public health, or public policy. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272148>

**NIJ FY 15 Research and Evaluation on White-Collar Crime and Public Corruption Grant**

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for funding for social and behavioral science research and program evaluations that inform efforts to detect, investigate, prosecute, and otherwise combat and prevent white-collar crime and public corruption. This program furthers the Department's mission by sponsoring research to provide objective, independent, evidence-based knowledge and tools to enhance the criminal justice, civil, or regulatory response to white-collar crime and public corruption. Deadline is April 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271849>

**NIJ FY 15 Research and Evaluation Examining Violence Against American Indian and Alaska Native Women: Domestic Violence, Homicide, Intimate Partner Violence, Sex Trafficking, Sexual Violence, Stalking, and Teen Dating Violence Grant**

NIJ is seeking proposals for research and evaluation that will examine violence and victimization experienced by American Indian (AI) and Alaska Native (AN) women living in Indian Country and Alaska Native villages to produce a deeper understanding of the issues faced by Native American women and help formulate public policies and prevention strategies to decrease the incidence of violent crimes committed against AI and AN women. NIJ is especially interested in research and evaluation related to violence against AI and AN women in the areas of domestic violence, homicide, intimate partner violence, sex trafficking, sexual violence, stalking, and teen dating violence. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271573>

**NIJ FY 15 Research and Evaluation on Justice Systems Grant**

NIJ is seeking proposals for social and behavioral science research on, and evaluation related to, justice systems topics including policing, courts, and institutional and community corrections that bear directly and substantially upon federal, State, local, or tribal criminal and juvenile justice policy and practice. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271571>

**NIJ FY 15 Building and Enhancing Criminal Justice Researcher-Practitioner Partnerships Grant**

NIJ is seeking proposals for criminal justice research and evaluation that includes a researcher-practitioner partnership component. Through researcher-practitioner partnerships, criminal justice practitioners can gain new skills in assessing programs and measuring outcomes. Likewise, criminal justice researchers can better understand the goals and purposes criminal justice practitioners seek to achieve. Ultimately, these partnerships provide criminal justice practitioners with practice- and policy-relevant information while affording researchers the opportunity to contribute to the current body of knowledge. NIJ intends to support criminal justice research in the two following areas related to new and ongoing researcher-practitioner collaborations: • Junior Faculty/Research Associate Grant Program to Promote Criminal Justice Researcher-Practitioner Partnerships. • Criminal Justice Researcher-Practitioner Fellowship Placement Program. Deadline is April 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271455>

**NIJ FY 15 Research and Evaluation on Domestic Radicalization to Violent Extremism Grant**

NIJ is seeking proposals for research targeted toward developing a better understanding of the domestic radicalization phenomenon, and advancing evidence-based strategies for effective intervention and prevention. The goal of this solicitation is to aid federal, State, local, and tribal criminal justice agencies and their attendant communities in implementing programs that prevent or counter radicalization to violent extremism. The solicitation focuses on all forms of radicalization that lead to violent extremism in the United States, but NIJ is particularly interested in responses to one or more of the following areas of focus: (1) radicalization to indigenous violent extremism; (2) NIJ partnership to translate findings for practitioners; (3) contemporary radicalization and (4) evaluation studies. Deadline is April 21, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271453>

**NIJ FY 15 Research on Bias Crime Victimization Grant**

As compared with analogous crimes, bias crime is associated with more negative outcomes for victims and communities. NIJ is particularly interested in funding research to: • Develop and test screening and/or assessment tools to identify bias crime victims. • Conduct localized victimization surveys using new and innovative sampling strategies to understand hate crime among immigrant and other understudied communities. • Explore the use of non-traditional data sources to track bias crime victimization. Deadline is April 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271389>

**NIJ FY 15 Research on Sentinel Events and Criminal Justice System Errors Grant**

When bad things happen in a complex system, the cause is rarely a single act, event, or slip-up. More often, bad outcomes like wrongful convictions, mistaken prison releases, and even re-victimization are "sentinel events"—defined as significant negative outcomes that signal underlying weaknesses in the system or process. Sentinel events are likely the result of compound errors and, if properly analyzed and addressed, may provide important keys to strengthening the system and preventing future adverse events or outcomes. Even "near misses," where tragic outcomes are eventually averted, can signal serious underlying weaknesses in the overall system. NIJ is seeking proposals for research that can add to our understanding of how the concept of sentinel events can be used to improve the functioning of justice systems. Deadline is March 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271388>

**NIJ FY 15 Research and Evaluation on Children Exposed to Violence Grant**

NIJ is seeking multidisciplinary research and evaluation proposals related to childhood exposure to violence. Such violence may include children who are direct victims and/or bystanders or observers of various forms of violence in the home, school, or community, including but not limited to peer victimization, bullying, harassment,

child maltreatment, domestic violence, and community violence. Other types of violence to which children are exposed may be addressed, with the exception of media violence (e.g., television and movie violence, music advocating aggression, and violent video games). In particular, NIJ seeks proposals that address justice system responses to children identified as being exposed to violence; polyvictimization and multisystem involvement; and resilience and help-seeking. Deadline is April 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271193>

**NIJ FY 15 Research and Evaluation on the Investigation and Adjudication of Campus Sexual Assault Grant**

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for research and evaluation related to the investigation and adjudication of sexual assaults on college and university campuses. The White House Task Force to Protect Students From Sexual Assault identified a need to improve understanding of current practices in campus investigation and judicial decision-making involving student-on-student sexual assault. This program furthers the Department's mission by encouraging and supporting research, development, and evaluation to improve criminal justice policy and practice in the United States. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271048>

**NIJ FY 15 Research and Evaluation on Violence Against Women: Intimate Partner Violence and Sexual Violence Grant**

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for research and evaluation on violence against women, and specifically intimate partner and sexual violence. This program furthers the Department's mission by encouraging and supporting research, development, and evaluation to improve criminal justice policy and practice in the United States. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271133>

**NIJ FY 15 Research and Evaluation on the Abuse, Neglect, and Exploitation of Elderly Individuals Grant**

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for research and evaluation related to the abuse, neglect, and exploitation of elderly individuals. Research that includes residents of residential care facilities also will be considered. Research proposed may be focused at the federal, State, local, or tribal justice policy and/or practice level. This program furthers the Department's mission by encouraging and supporting research, development, and evaluation to improve criminal justice policy and practice in the United States. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271131>

**NIJ FY 15 Postdoctoral Fellowship on Violence Against Women: Intimate Partner Violence, Sexual Violence, Teen Dating Violence, and Stalking Grant**

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications to support a postdoctoral fellow to analyze existing data or collect new data to conduct research related to violence against women (intimate partner violence, sexual violence, stalking, and teen dating violence). This program furthers the Department's mission by sponsoring research to provide objective, independent, evidence-based knowledge and tools to meet the challenges of crime and justice, particularly at the State and local levels. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271129>

**NIJ FY15 Research into the Use of Suicide Prevention and Intervention Strategies by Law Enforcement Agencies Grant**

The purpose of the NIJ Research, Evaluation, and Development Project Grants program is to encourage and support research, development, and evaluation to improve criminal justice policy and practice in the United States. With this solicitation, NIJ seeks proposals for innovative, rigorous research to identify and characterize the suicide prevention and intervention strategies currently being used by law enforcement agencies in the United States and, potentially, elsewhere. NIJ is particularly interested in understanding the rationale for the adoption of a particular strategy and what evidence may exist regarding its efficacy. Deadline is April 2, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270989>

**NIJ FY15 Research on the Efficacy of Different Contraband Interdiction Modalities Used in Correctional Facilities Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270990>

**NIJ FY 15 Research on Law Enforcement use of Common Operational Picture (COP) Technologies Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270797>

**Department of Labor**



## **National Archives and Records Administration**

### **National Archives and Records Administration State Board Programming Grants Grant**

The National Historical Publications and Records Commission seeks proposals that strengthen the nation's archival network through activities undertaken by state historical records advisory boards (SHRABs). The purpose of this grant program is to assist state boards to enhance access to historical records, increase citizen engagement with records, and provide learning and development opportunities for students, citizens and professional archivists. The Commission will award grants to State Historical Records Advisory Boards to:

- Provide educational and outreach programs, workshops, and other activities that enhance citizen and student engagement with historical records
- Operate state-based regrant and scholarship programs that advance access to historical records
- Collaborate on projects with other organizations to address common problems or shared opportunities within a state or among a consortium of state archives
- Hold or participate in meetings and public forums on statewide or national archival issues.

Deadline is June 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270373>

## **National Science Foundation**

### **Robert Noyce Teacher Scholarship Program Grant**

The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 teachers of science, technology, engineering, and mathematics (STEM). This program responds to the critical need for highly effective K-12 STEM teachers by recruiting and preparing talented undergraduate STEM majors and STEM professionals to pursue teaching careers in elementary and secondary schools, especially in high-need schools. The program seeks to encourage institutions of higher education to develop and sustain a culture where undergraduate STEM majors, especially those of the highest achievement and ability, are encouraged and supported when they express a desire to pursue K-12 STEM teaching careers. Deadline is March 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270571>

## **Department of State**

### **A Diplomatic Simulations Program Project Coordination, Curriculum Design and Video Production Grant**

Through this announcement, the U.S. Diplomacy Center of the Department of State is seeking an organization to coordinate the Diplomat Simulations Program. The Diplomatic Simulations Program is for high school and college students and will serve as an introduction to diplomacy and the work of U.S. diplomats. Simulations require students to negotiate on global issues, helping them to understand the nuances of doing diplomacy and how to conduct negotiations through compromise. The simulations will include instructional videos, simulation scenarios and background information, lesson plans and additional resources. Deadline is April 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274775>

### **Bureau of Democracy, Human Rights and Labor Improving Access to Justice in the Democratic Republic of Congo Grant**

DRL/GP aims to improve the justice system and access to justice through innovative programs that strengthen key sectors within the police, military and/or local government. Strong proposals will include a regional pilot of a program that could be replicated nationally. Proposed programs should take a broader view towards long-term stability and proficiency of the justice system in the DRC. Deadline is March 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272031>

### **International Narcotics and Law Enforcement Affair Enhance Culture of Lawfulness (CoL) in Mexico Grant**

The Bureau of International Narcotics and Law Enforcement Affairs is seeking applications from qualified organizations to implement Culture of Lawfulness (CoL) programs in Mexico. The overall objective of the CoL program, which is funded by the Merida Initiative, is to install a sense of individual responsibility for upholding the rule of law in Mexico and support the ability of Mexico's citizens to participate in the law enforcement process. Promoting the rule of law, and reducing insecurity and corruption, requires societal support by what has come to be known as a Culture of Lawfulness. In particular, INL aims to work with civil society organizations to implement programs that support CoL principles across a variety of sectors, mainly civil society, center of moral authority, public servants and law enforcement, education, children and youth. Deadline is October 1, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268088>

## **Department of Veteran Affairs**

**Request for Applications from the Consortium to Alleviate Posttraumatic Stress Disorder (CAP) funded jointly by the Department of Defense (DOD) and Department of Veterans Affairs (VA).**

The Consortium to Alleviate PTSD (CAP) will provide an array of cutting-edge clinical treatment trials and biological studies for active military and veterans with PTSD and related conditions, said CAP Consortium Director Alan L. Peterson, Ph.D., professor of psychiatry in the School of Medicine at the UT Health Science Center San Antonio. The consortium's initiatives will include efforts to learn more about the biology/physiology of PTSD development and treatment response to inform diagnosis, prediction of disease outcome, and new or improved treatment methods. Deadline is TBD.

<http://delta.uthscsa.edu/consortiumtoalleviateptsd/>

### **Social Security Administration**

#### **SSA Work Incentives Planning and Assistance Program (WIPA) Grant**

The purpose of these projects is to disseminate accurate information to beneficiaries with disabilities (including transition-to-work aged youth) about work incentives programs and issues related to such programs, to enable them to make informed choices about working and whether or when to assign their Ticket to Work, as well as how available work incentives can facilitate their transition into the workforce. The ultimate goal of the work incentives planning and assistance projects is to assist SSA beneficiaries with disabilities succeed in their return to work efforts. Deadline is March 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272436>

### **Private Funding Sources/ Other**

#### **Request for Applications from the Consortium to Alleviate Posttraumatic Stress Disorder (CAP) funded jointly by the Department of Defense (DOD) and Department of Veterans Affairs (VA).**

The Consortium to Alleviate PTSD (CAP) will provide an array of cutting-edge clinical treatment trials and biological studies for active military and veterans with PTSD and related conditions, said CAP Consortium Director Alan L. Peterson, Ph.D., professor of psychiatry in the School of Medicine at the UT Health Science Center San Antonio. The consortium's initiatives will include efforts to learn more about the biology/physiology of PTSD development and treatment response to inform diagnosis, prediction of disease outcome, and new or improved treatment methods. Deadline is TBD.

<http://delta.uthscsa.edu/consortiumtoalleviateptsd/>

# Science and Engineering

## Nuclear Regulatory Commission

### Department of Agriculture

#### **Crop Protection and Pest Management Grant**

The purpose of the Crop Protection and Pest Management program is to address high priority issues related to pests and their management using IPM approaches at the state, regional and national levels. The CPPM program supports projects that will increase food security and respond effectively to other major societal challenges with comprehensive IPM approaches that are economically viable, environmentally sound and will help protect human health. The CPPM program addresses IPM challenges for emerging issues and existing priority pest concerns that can be addressed more effectively with new and emerging technologies. The outcomes of the CPPM program are effective, affordable, and environmentally sound IPM practices and strategies supporting more vital communities. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274745>

#### **Agriculture and Food Research Initiative: Food Security Challenge Area Grant**

The goal of the Food Security Challenge Area for FY 2015 is to develop agricultural production research, education, and extension to develop more sustainable, productive, and economically viable plant and animal production systems. This program will also develop regionally adapted crop cultivars and livestock/breeds that contribute to rural economic development and prosperity while enhancing food security. These investments will increase food security by improving agricultural production systems at the regional and national levels and by encouraging diversification of agricultural production. Deadline is June 4, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272432>

#### **Minor Crop Pest Management Program Interregional Research Project (IR-4) Grant**

The purpose of the IR-4 program is to enable the availability of safe, effective and economical pest management products for growers of specialty crops and for minor agricultural uses. The crop protection industry cannot justify the costs associated with the research, development and registration of crop protection products for these uses due to small market size and limited sales potential. The IR-4 program provides the assistance needed to ensure that new and more effective crop protection products are tested and registered for these uses. This requires effective collaborations between federal science agencies, federal regulatory agencies, crop producers, the crop protection industry, and land-grant colleges and universities. The IR-4 program provides support for efforts to develop reduced-risk products, biopesticides, and other chemicals with characteristics that are deemed lower risk to humans, nontarget organisms, and the environment. In addition, the program concentrates on internal processes that reduce the time needed to complete successful regulatory packages. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270576>

### Department of Commerce

#### **NIST Standards Services Curricula Development (SSCD) Cooperative Agreement Program Grant**

The NIST SSCD Cooperative Agreement Program provides financial assistance to support curriculum development for the undergraduate and/or graduate level. These cooperative agreements support the integration of standards and standardization information and content into seminars, courses, and learning resources. The recipients will work with NIST to strengthen education and learning about standards and standardization. Deadline is April 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273988>

#### **National Strategy for Trusted Identities in Cyberspace (NSTIC) Pilots Cooperative Agreement Program Grant**

NIST is soliciting applications from eligible applicants to pilot online identity solutions that embrace and advance the NSTIC vision of an Identity Ecosystem Framework. Specifically, the Federal government seeks to initiate and support pilots that address the needs of individuals, private sector organizations, and all levels of government in accordance with the NSTIC Guiding Principles that identity solutions will be (1) privacy-enhancing and voluntary, (2) secure and resilient, (3) interoperable, and (4) cost-effective and easy-to-use. Pilots that maximize their contribution to the development of the broader Identity Ecosystem Framework through public forums such as the Identity Ecosystem Steering Group (IDESG) (see page 6 of the Full Announcement/FFO document) are encouraged. NIST will fund projects that are intended to demonstrate or deploy new solutions, models, and frameworks that either do not exist or are not widely adopted in the marketplace today. Deadline is March 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273968>

### **FY 2016 Implementation of the U.S. Integrated Ocean Observing System (IOOS®) Grant**

The U.S. Integrated Ocean Observing System (IOOS®) is a national and regional partnership working to provide observations, data, and new tools and forecasts to improve safety, enhance the economy, and protect our environment. NOAA is requesting proposals for coordinated regional efforts that further the IOOS in two topic areas, 1) sustaining and enhancing comprehensive regional observing systems and 2) verification and validation of observing technologies for studying and monitoring coastal and ocean environments. NOAA invites applicants to submit proposals for one or both of these topic areas, described in detail below, and requests applicants submit separate applications for each topic area. Deadline is August 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273928>

### **National Sea Grant College Program 2014 Special Projects Grant**

The purpose of this notice is to request proposals for special projects associated with the National Sea Grant College Program's (Sea Grant) strategic focus areas, and to provide the general public with information and guidelines on how Sea Grant will select proposals and administer Federal assistance under this announcement. This announcement is a mechanism to encourage research or other projects that are not normally funded through Sea Grant national competitions. This opportunity is open only to existing Sea Grant Programs. Section III of this announcement describes eligibility requirements in more detail. Funding has not yet been made available to support applications submitted to this Federal Funding Opportunity (FFO), but such funding may become available during the year. Section II.A. Below describes individual competition announcements that will be used to announce when funding is available; any restrictions or requirements on such funding, such as matching funds, and other funding details. Deadline is June 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252835>

## **Department of Defense**

### **Defense Advanced Research Projects Agency DARPA - MTO - BAA0718 Young Faculty Award (YFA) Grant**

This Research Announcement (RA) solicits ground-breaking single-investigator proposals from junior faculty for research and development in the areas of Physical Sciences, Engineering, Mathematics, Medicine, Biology, Information and Social Sciences of interest to DARPA's Defense Sciences Office (DSO), Microsystems Technology Office (MTO), and Biological Technology Office (BTO). Deadline is April 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274766>

### **2015 Broad Agency Announcement Grant**

The U.S. Army Engineer Research and Development Center (ERDC) has issued a Broad Agency Announcement (BAA) for various research and development topic areas. The ERDC consists of the Coastal and Hydraulics Lab (CHL), the Geotechnical and Structures Lab (GSL), the Environmental Lab (EL) and the Information Technology Lab (ITL) in Vicksburg, Mississippi; the Cold Regions Research and Engineering Lab (CRREL) in Hanover, New Hampshire; the Construction Engineering Research Lab (CERL) in Champaign, Illinois; and the Geospatial Research Laboratory in Alexandria, Virginia. The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. Deadline is January 31, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272608>

### **Army Educational Outreach Program Grant**

The purpose of the U.S. Army Educational Outreach Program (AEOP) cooperative agreement (COA) announcement is to solicit proposals for a single-award to a recipient, who will carry out the K-College STEM education and outreach programs on behalf of the U.S. Department of Defense and the U.S. Department of the Army to help address the nation's need of a diverse, agile and highly competent science, technology, engineering, and math (STEM) literate talent pool. Through the AEOP COA award, the Army envisions the government to work with a recipient with an established consortium of organizations to collaboratively advance Army-sponsored STEM education and outreach programs, conducted across the United States, Puerto Rico as well as DoD locations in Europe and the Pacific. Deadline is April 28, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272052>

### **Near Zero Power RF and Sensor Operations Grant**

DARPA seeks to transform the energy efficiency of unattended sensors through elimination or substantial reduction of the stand-by power consumed by the sensors while they await a signature of interest. The improved energy efficiency is expected to result in an increase in the sensor mission lifetime from months to years. The

Near Zero Power RF and Sensor Operations (N-ZERO) program aims to create intelligent sensors that can process and detect RF and physical sensor signatures, consume less than 10 nW of power, and attain a low false alarm rate of 1 per hour or better in an urban environment. Deadline is April 23, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271931>

#### **Materials for Transduction (MATRIX) Grant**

The Materials for Transduction (MATRIX) program in DARPA's Defense Sciences Office (DSO) is seeking innovative ideas and novel approaches to achieve revolutionary transductional devices and capabilities using materials with energy conversion capabilities and/or strongly correlated properties. Deadline is April 2, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271909>

#### **Methods and Technologies for Personalized Learning, Modeling and Assessment Grant**

The Air Force Research Laboratories and 711th Human Performance Wing are soliciting white papers (and later technical and cost proposals) on the following research effort. This is an open ended BAA. The closing date for submission of White Papers is 17 Nov 2019. This program deals with science and technology development, experimentation, and demonstration in the areas of improving and personalizing individual, team, and larger group instructional training methods for airmen. The approaches relate to competency definition and requirements analysis, training and rehearsal strategies, and models and environments that support learning and proficiency achievement and sustainment during non-practice of under novel contexts. This effort focuses on measuring, diagnosing, and modeling airman expertise and performance, rapid development of models of airman cognition and specifying and validating, both empirically and practically, new classes of synthetic, computer-generated agents and teammates. Deadline is November 17, 2019.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271531>

#### **Research Interests of the United States Air Force Academy Grant**

The USAFA invests in an active research program for three main reasons. First and foremost, research significantly enhances the cadet learning experience. Our research is done by, for and with cadets who work alongside fellow cadets and faculty mentors. Research provides cadets with rich independent learning opportunities as they tackle ill-defined problems and are challenged to apply their knowledge and abilities. Second, our research program provides opportunities for essential faculty development. Research broadens and deepens the experience base of the faculty. This infuses current, relevant, state-of-the-art and cutting-edge applications and examples into the curriculum. This also helps our faculty remain current in their respective fields. Third, at USAFA we strive to conduct research to enhance the ability of the Air Force to perform its mission. There are ongoing research projects spanning topics as diverse as super hypersonics, cyber security, spatial disorientation, athletic performance and homeland defense. Deadline is TBD.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270574>

#### **International Technology Alliance Grant**

The purpose of this US ARL and UK Defence Science and Technology Laboratory (Dstl) ITA Program Announcement (PA) under W911NF-15-R-0003 is to solicit offers that will help to fulfill the research and development goals of the US Department of Army and UK Ministry of Defence. This PA announces a new and innovative opportunity for cooperation between the US and the UK in the area of Distributed Analytics and Information Science (DAIS). The DAIS ITA Program is comprised of two components: (1) the Basic Research Component and (2) the Technology Transition Component. The Basic Research Component will provide for fundamental research, the results of which will be in the public domain, while the Technology Transition Component will provide for the application of the fundamental research results to military, security and commercial applications to foster the best technologies for future defense and security needs. Deadline is August 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270361>

#### **DoD FY14 Defense Medical Research and Development Program Team Performance Training Research Initiative Grant**

The FY14 TPT Research Initiative seeks to support research into the design, plan, and components of an effective, efficient, interactive, user-friendly, evidence-based team performance trainer with automated assessment technology, which will improve team performance in delivery of healthcare with the overall goal of reducing medical errors/adverse events, and improving patient safety and healthcare outcomes. Focus on single-user interactive experiences is encouraged, but the FY14 TPT Research Initiative does not limit research to just single-user interactive experiences. The proposed automated assessment technology should analyze the individual's (and other team members') performance within a team situation/scenario and provide guidance toward optimal behaviors with the overall goal of reducing medical errors and improving healthcare outcomes. The primary goal is to perform critical research to gain knowledge on an optimal, best-practice, evidence-based framework, design, plan, and components to obtain optimal team performance training models, and to document, analyze, and report the knowledge and information regarding the nature and extent of improved communication skills and team performance in healthcare training simulation systems. Research supported by this funding opportunity should provide the fundamental knowledge, potential frameworks, designs and plans, and

recommendations (both clinical and technical) to support the future development of an interactive team performance training system that can assess the downstream effects of the individual's, as well as the team's, behaviors and medical decisions have on patient safety outcomes. Deadline is April 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270153>

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269741>

#### **Multi-INT RESEARCH INITIATIVES AT THE NAVAL POSTGRADUATE SCHOOL Grant**

The Naval Postgraduate School Center for Multi-INT Studies (CMIS) has a bold vision to transform the field of intelligence and seeks to vastly improve the current state of the art in intelligence, surveillance and reconnaissance (ISR). To this end, CMIS supports innovative, independent research that has the potential to expand knowledge in related areas. As real-time, accurate and actionable intelligence products are demanded by analysts, warfighters, and decision makers, linear, human-intensive processes are no longer sufficient. The capabilities of current and future adversaries and the dynamism and complexity of the environments in which they operate necessitate vast improvements in the timeliness and execution of intelligence-cycle processes. Humans do not have the cognitive ability or the time to analyze the vast quantities of multi-source, multi-dimensional data that are now available. Revolutionary decision support, situational awareness, sense making, inference, reasoning, and visualization capabilities must be employed to expediently unlock the information contained in these myriad streams of data. CMIS envisions a future where cognitive technologies can anticipate strategic and tactical information needs, perceptively orchestrate distributed sensors across every domain (cyber, human, terrestrial, air, sea, space, etc.), and deliver timely and accurate recommendations to kinetic and/or non-kinetic agents (human and/or machine) to employ required actions. The transformative technologies of interest are:

- Understanding targets as systems
- Orchestrated resource management
- Cognitive sense making
- Human-computer symbiosis.

Deadline is September 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266534>

#### **Defense Advanced Research Projects Agency DARPA - MTO - BAA0718 Microsystems Technology Office (MTO) Office Wide BAA Grant**

This announcement seeks revolutionary research ideas for topics not being addressed by ongoing MTO programs or other published BAA solicitations. See the attached DARPA-BAA-14-42 document. Deadline is September 9, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264610>

#### **Defense Advanced Research Projects Agency Biological Technologies Grant**

The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals of interest to the Biological Technologies Office (BTO). Proposed research should investigate leading edge approaches that enable revolutionary advances in science, technologies, or systems at the intersection of biology with engineering and the physical and computer sciences. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of the art. BTO seeks unconventional approaches that are outside the mainstream, challenge assumptions, and have the potential to radically change established practice, lead to extraordinary outcomes, and create entirely new fields. Deadline is April 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254566>

#### **AFRL/RXM Manufacturing Technology Open BAA Grant**

Air Force Research Laboratory, Materials & Manufacturing Directorate is soliciting white papers and potentially technical and cost proposals under this announcement that supports the needs of its Manufacturing and Technology mission. Manufacturing Technologies that focus on strengthening defense manufacturing capabilities and efficiencies and transitioning capability to the factory floor are of interest. Descriptors of Manufacturing Technology interests are presented in two contexts; that of manufacturing technology competencies and that of Air Force application area needs. See BAA for more detailed description. Deadline is June 24, 2019.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=258475>

#### **Defense Advanced Research Projects Agency DARPA - Tactical Technology Office Innovative Systems for Military Missions Grant**

The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, white papers and proposals for advanced research and development of Innovative Systems for Military Missions. This solicitation seeks system and subsystem level technologies that enable revolutionary improvements to the efficiency and effectiveness of the military. Novel concepts are sought in the following focus areas: Ground Systems, Maritime Systems, Air Systems, and Space Systems. Proposals may be submitted at any time while this solicitation is open. TTO may publish groups of special topics as modifications to this BAA throughout the year. TTO also welcomes classified submissions. A copy of the Broad Agency Announcement, DARPA-BAA-14-25, has been posted to the Federal Business Opportunities (FedBizOpps.gov) website at <https://www.fbo.gov/spg/ODA/DARPA/CMO/DARPA-BAA-14-25/listing.html>. Deadline is April 24, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254308>

### **National Geospatial-Intelligence Agency Academic Research Program Grant**

This research is aimed at advancing GEOINT capabilities by improving analytical methods, enhancing and expanding systems capabilities, and leveraging resources for common NSG goals. The NARP also seeks to improve education in scientific, mathematics, and engineering skills necessary to advance GEOINT capabilities. It is NGA's intent to solicit fundamental research under this BAA. Fundamental research means basic and applied research in science and engineering, the results of which ordinarily are published and shared broadly within the scientific community, as distinguished from proprietary research and from Industrial development, design, production, and product utilization, the results of which ordinarily are restricted for proprietary or national security reason. Deadline is September 30, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254129>

### **Mining and Understanding Software Enclaves (MUSE) Grant**

The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals in the areas of program analysis, verification, and big data analytics for specifying, discovering, and understanding properties of complex software systems. Proposed research should investigate innovative approaches that enable revolutionary advances in science, methods, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. This broad agency announcement (BAA) is being issued, and any resultant selection will be made, using procedures under Federal Acquisition Regulation (FAR) 35.016. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251829>

### **Research Interests of the Air Force Office of Scientific Research Grant**

AFOSR plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in five scientific Departments: Dynamical Systems and Control (RTA), Quantum and Non-Equilibrium Processes (RTB), Information, Decision and Complex Networks (RTC), Complex Materials and Devices (RTD), and Energy, Power and Propulsion (RTE). Deadline is open until superseded.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252028>

### **Air Force -- Research Lab**

#### **AFRL/RXC Structural Materials Open/Open BAA Program Grant**

The objectives are to seek new, innovative ideas for research from academia and industry and to respond quickly to changes in technology and research focus in the area of structural materials technologies that range from materials and scientific discovery through technology development and transition. Deadline is December 4, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=246533>

### **Dept of the Army -- Materiel Command Defense Forensics and Biometrics Agency (DFBA) BAA for Basic, Applied Grant**

This Broad Agency Announcement (BAA), which sets forth research areas of interest to the Defense Forensics and Biometrics Agency (DFBA), is issued under the provisions of paragraph 6.102(d)(2) of the Federal Acquisition Regulation (FAR), which provides for the competitive selection of proposals. Proposals submitted in response to this BAA and selected for award are considered to be the result of full and open competition and in full compliance with the provisions of Public Law 98-369, "The Competition in Contracting Act of 1984" and subsequent amendments. The Department of Army's Office of the Provost Marshall General (OPMG) recently established the Defense Forensics and Biometrics Agency (DFBA). This umbrella agency serves as the Executive Agent for Department of Defense (DoD) forensics and biometrics casework, research, and new capabilities development. Deadline is June 30, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237676>

### **Office of Naval Research Naval Research Laboratory**

#### **NRL Wide Broad Agency Announcement BAA-N00173-03 Grant**

The Naval Research Laboratory (NRL) is the Navy's corporate laboratory. NRL conducts basic and applied research for the Navy in a variety of scientific and technical disciplines. The basic research program is driven by perceptions about future requirements of the Navy. Deadline is open.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237452>

### **Army Research Laboratory Broad Agency Announcement for Basic and Applied Scientific Research Grant**

This Broad Agency Announcement (BAA), which sets forth research areas of interest to the Army Research Laboratory (ARL) Directorates and Army Research Office (ARO), is issued under the paragraph 6.102(d)(2) of the Federal Acquisition Regulation (FAR), which provides for the competitive selection of basic research proposals.

Proposals submitted in response to this BAA and selected for award are considered to be the result of full and open competition and in full compliance with the provision of Public Law 98-369, "The Competition in Contracting Act of 1984" and subsequent amendments. Deadline March 31, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=173578>

#### **Sensor Innovative Research Grant**

The Electromagnetics Technology Division (RYH), Sensors Directorate (RY), Air Force Research Laboratory (AFRL), is looking to conduct research in the following areas: Antenna Technology, Opto-Electronic Technology, Electromagnetic Scattering, Infrared Sensor Technology. Deadline is April 5, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=162173>

#### **Research Interests of the Air Force Office of Scientific Research Grant**

AFOSR plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support USAF needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national war fighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences, Physics and Electronics, and Mathematics, Information and Life Sciences. The research activities managed within each directorate are summarized in the BAA. AFOSR plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support USAF needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national war fighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences (RSA), Physics and Electronics (RSE), and Mathematics, Information and Life Sciences (RSL). The research activities managed within each directorate are summarized in the BAA. Deadline is open.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=158973>

### **Environmental Protection Agency**

#### **Support the National Environmental Monitoring Conference (NEMC) as Part of the Environmental Measurement Symposium Grant**

The U.S. Environmental Protection Agency (EPA) is seeking applications proposing to support the annual National Environmental Monitoring Conference (NEMC) as part of the Environmental Measurement Symposium. NEMC encompasses all environmental media (e.g., water, air, solid waste, pesticides) and all of the Environmental Protection Agency's monitoring programs with the exception of criteria pollutants in air (e.g., hazardous waste, wastewater, drinking water, source emissions, Superfund, pesticides). NEMC serves as a forum for members of the environmental community to raise the awareness of the greater community to problems and issues that they have uncovered and work with their partners across the community to solve them. It also serves as the principal forum for the community to work together to improve the quality of environmental information, facilitate the development and use of new monitoring technologies, and make compliance monitoring more cost-effective. To support these objectives, EPA anticipates providing financial support to a technically qualified organization to manage the NEMC for a five (5) year period. The awardee will be expected to be responsible for: \*conference design and management (e.g., planning committee for sessions, exhibitor area, training sessions); \*advertising, as allowed under 2 CFR 200.421, and outreach; \*location/hotel contract negotiations; and \*logistics (e.g., conference materials pre-conference, for conference, and post-conference proceedings). Deadline is March 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274571>

#### **FY 2015 National Priority Activities for the Section 303(d) Program, the Nonpoint Source (Section 319) Program, the Wetlands Program, and the Water Quality Monitoring Program Grant**

The U.S. Environmental Protection Agency (EPA) is soliciting proposals from eligible applicants to provide support for training and technical assistance activities to build the capacity of state and tribal officials and nongovernmental stakeholders in the Clean Water Act (CWA) Section 303(d) Program, the Nonpoint Source (CWA Section 319) Program, the Wetlands Program, and the Water Quality Monitoring Program. Deadline is March 24, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273251>

#### **Great Lakes Restoration Initiative Request for Applications Grant**

This Request for Applications (RFA) solicits applications from eligible entities for a cooperative agreement to be awarded pursuant to the Great Lakes Restoration Initiative Action Plan II (<http://glri.us/actionplan/pdfs/glri-action-plan-2.pdf>). Applications are requested for a project to complete chemical analysis in support of the Great Lakes Fish Monitoring and Surveillance Program. This RFA is the first Great Lakes Restoration Initiative ("GLRI" or "Initiative") for FY2015. Deadline is April 17, 2015.



<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273235>

## **Department of Energy**

### **Program Strategy to Advance Marine and Hydrokinetics Grant**

Through a balanced portfolio approach, the U.S. Department of Energy (DOE) Wind and Water Power Technologies Office (WWPTO's) Water Power Program, herein referred to as the "Program," makes strategic investments in the Marine and Hydrokinetic (MHK) subprogram, including transformational technology innovations that seek to maximize generation from water power resources while addressing key market deployment and environmental impact challenges. The Program aims to achieve cost-competitiveness with local hurdle rates of 12 to 15 cents per/kWh by 2030. The Program addresses technology needs and opportunities in MHK, which would otherwise not be addressed by the private sector on its own. The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, state energy offices, regulatory offices, related offshore engineering consultants/Original Equipment Manufacturers (OEMs), and other stakeholders on the Program's future strategy and priorities. EERE is specifically interested in information on each of the five focus areas listed in the RFI.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274188>

### **Cleantech University Prize (Cleantech UP) Grant**

The mission of EERE's Technology-to-Market Team is to aid EERE technology offices and American energy innovation stakeholders in addressing the technological and financial barriers to bring new intellectual property to market. To advance this mission, the Technology-to-Market sub-program supports a variety of commercialization and entrepreneurship activities in partnership with U.S. Department of Energy (DOE) national laboratories, universities, businesses, and nonprofit organizations around the country. Existing activities include the DOE National Clean Energy Business Plan Competition (NCEBPC), National Incubator Initiative for Clean Energy, Lab-Corps, and Small Business Innovation Research/Small Business Technology Transfer Programs (SBIR/STTR); past activities include the Innovation Ecosystem Development Initiative, i6 Green Challenge, Technology Commercialization Fund, Entrepreneurs-in-Residence, and other initiatives. This FOA supports the creation of the Cleantech University Prize (Cleantech UP) program designed to address the significant barriers to creating clean energy technology start-ups, resulting from a dearth of participants entering the energy entrepreneurship pipeline. For the United States to accelerate the rate of clean energy innovation and remain competitive, a strong national infrastructure that spurs and supports high-tech entrepreneurship is critical. Deadline is April 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273930>

### **Emerging Technologies for Methane Production via Biological In-Situ Coal Conversion and Low Cost Oxygen Production for Gasification Grant**

For Fiscal Year 2015, the Advanced Energy Systems (AES) Program will solicit proposals under this Funding Opportunity Announcement for support of the Gasification Systems technology area. There will be a total of two Areas of Interest. The AES Program is pursuing research and development to (1) accelerate in-situ bio-gasification of coal seams with a goal of creating methane at a lower cost than typical U.S. natural gas recovery systems; and (2) produce oxygen for use in coal gasification processes at a significantly lower cost than that of the commercial state of the art technology. Deadline is April 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273848>

### **Network Optimized Distributed Energy Systems (NODES) Grant**

Through the Network Optimized Distributed Energy Systems (NODES) program, ARPA-E will fund the development of innovative and disruptive technologies for real-time management of transmission and distribution networks by system-wide control and coordination of flexible load and Distributed Energy Resources (DERs) to improve the overall efficiency and reliability of the U.S. electric grid and enable renewables penetration at the 50% level or greater. The objective is to reliably manage, locally or globally, dynamic changes in the grid by leveraging these additional grid resources' capability to provide ancillary services to the electric grid at different time scales. This will facilitate greater grid resiliency, security, and flexibility, while having minimal impact on customer quality of service (QoS). The expected system level benefits include net energy savings, reduction of CO<sub>2</sub> emissions in power generation by directly offsetting load consumption by renewable energy production, and lowering required operating reserves. Additional savings are expected to be achieved by supporting higher penetration of Distributed Generation (DG) that is expected to reduce energy-delivery losses by delivering energy where it's needed, and when it's needed. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273168>

### **Solid Oxide Fuel Cells (SOFC) Prototype System Testing Project Grant**

The objective of this FOA is to solicit and competitively award projects whose goal is to test a nominal 400kWe thermally self-sustaining atmospheric or pressurized SOFC prototype system with an average stack operating temperature greater than 700 degrees Celsius. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273111>

### **Solid Oxide Fuel Cell (SOFC) Innovative Concepts and Core Technology Research Program Grant**

To award research projects that will improve the reliability, robustness and endurance of Solid Oxide Fuel Cell (SOFC), stack, and system technology that is nearing commercial viability. This will support the development of commercially viable SOFC technology for entry into service products, which will eventually lead to SOFC technology that is viable for large scale central generation applications. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273110>

#### **SOLAR POWERING AMERICA BY RECOGNIZING COMMUNITIES (SPARC) Grant**

This funding opportunity announcement (FOA) will establish a prominent national recognition and technical assistance program for local governments that will signal to installers and the public that a community is receptive to solar businesses and has established a supportive solar market environment. This, in turn, will reduce market barriers and lower soft costs, thus contributing to SunShot goals. The program will also assist marginal communities in improving their solar markets. The full Funding Opportunity Announcement (FOA) is posted on the EERE Exchange website at <https://eere-exchange.energy.gov>. Applications must be submitted through the EERE Exchange website to be considered for award. The applicant must first register and create an account on the EERE Exchange website. A User Guide for the EERE Exchange can be found on the EERE website <https://eere-exchange.energy.gov/Manuals.aspx> after logging in to the system. Information on where to submit questions regarding the content of the announcement and where to submit questions regarding submission of applications is found in the full FOA posted on the EERE Exchange website. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273288>

#### **Office of Science SBIR/STTR Phase II Release 2 Grant**

The Department of Energy (DOE) invites eligible Phase I and Phase II grantees to apply for Phase II grants (both initial and sequential) under this Funding Opportunity Announcement (FOA). Please see the full FOA document for complete details. The full text of the Funding Opportunity Announcement (FOA) is located on FedConnect. Instructions for completing the Grant Application Package are contained in the full text of the FOA which can be obtained at: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0001258&agency=DOE>. Deadline is March 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273568>

#### **University Turbine Systems Research Grant**

The National Energy Technology Laboratory (NETL) University Turbine Systems Research (UTSR) program manages a portfolio of gas turbine-focused university projects. The NETL-UTSR program is part of an initiative in support of the Office of Fossil Energy's Advanced Turbines program goals, DOE strategic goals and program mission needs. The funding opportunity announcement (FOA) is required to facilitate the development and demonstration of next-generation turbine technology with the goal of producing reliable, affordable, clean, efficient, and cost-effective energy supplies and to address the need for engineering and scientific solutions for air breathing gas turbines and supercritical carbon dioxide (SCO<sub>2</sub>) power cycles. The work will address scientific Research and Development (R&D) as well as technical challenges in turbine technology in support of DOE's strategic goals, program mission needs and the achievement of programmatic technical goals. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272433>

#### **Transitional Technology Development to Enable Highly Efficient Power Systems with Carbon Management Grant**

The United States Department of Energy National Energy Technology Laboratory (NETL) is seeking innovative research and development of the key crosscutting technologies (sensors and controls, high performance materials, simulation based engineering, and water management research) to enable development of next generation advanced energy systems. These technologies will contribute to the goals of high efficiency, near-zero emissions, and effective carbon capture for the next generation energy systems. Innovations in these areas are being supported by NETL's Crosscutting Research Program which aims at bridging the gap between the basic sciences and applied research as it relates to Advanced Energy Systems that utilize domestic resources. Long range transitional type research is needed to support the identification and growth of novel concepts that will lead to scientific breakthroughs and early adoption of innovative concepts into applications for power generation. It is envisioned that the projects will involve multi-organizational teams with phased projects that consider, in part, the needs and interest of the fossil power generation community as a whole, as well as accelerating the development and deployment of crosscutting technologies. Deadline is March 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272208>

#### **Enabling Technologies for Advanced Combustion Systems (ACS) Grant**

The objective of this Funding Opportunity Announcement (FOA) is to solicit applications for financial assistance awards to enable further development of technologies for up-scaling chemical looping and oxy-combustion in order to make continued progress toward Advanced Combustion Systems (ACS) programmatic performance and cost goals through evaluation of novel combustion concepts and applied research and design. Deadline is March 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272133>

#### **Office of Science Office of Science Computational Materials Sciences Grant**

The Office of Basic Energy Sciences (BES) of the U.S. Department of Energy (DOE) announces its interest in receiving applications in Computational Materials Sciences proposing integrated, multidisciplinary teams that will develop validated community codes and data bases for predictive design of functional materials, excluding structural materials. Computational Materials Sciences Teams could also involve new approaches to enhance the use of large data sets derived from advanced characterization of materials, materials synthesis, processing, and properties assessments and the parallel data that are generated by large scale computational efforts that model materials phenomena. Computational Materials Sciences will support the Materials Genome Initiative for Global Competitiveness (MGI) that was announced by the President in June 2011. The goal of the MGI is to reduce the time from discovery to deployment of new materials by a factor of two and is tied to advancement of American manufacturing capability. Deadline is April 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272034>

#### **National Energy Technology Laboratory + Offshore Storage Resource Assessment Grant**

The purpose of this Funding Opportunity Announcement is to competitively solicit and award Research and Development projects that will assess the geologic Prospective Storage Resources of subsurface depleted oil and natural gas reservoirs and saline formations at one or more offshore regions East Coast and/or Gulf of Mexico. The projects will utilize existing geologic and geophysical data (i.e., well logs, records and sample descriptions from existing or plugged/abandoned wells, available seismic surveys, existing core samples, etc.) to conduct a Prospective Storage Resource assessment of the geological formations. Deadline is March 26, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272051>

#### **Hydrogen and Fuel Cell Technologies Research, Development, and Demonstrations Grant**

This FOA supports a broad technology portfolio aimed at developing and deploying cutting-edge advanced highway transportation technologies that reduce petroleum consumption and greenhouse gas emissions, while meeting or exceeding vehicle performance and cost expectations. Research, development, and deployment activities focus on reducing the cost and improving the performance of a mix of near-and-long-term vehicle technologies. Specifically, these activities contribute to achieving the goals and objectives of the EV Everywhere Grand Challenge, with a focus on accelerating the development of advanced batteries, power electronics, and lightweight materials technologies. In addition, this FOA supports technology development to reduce petroleum consumption through fuel economy improvements – specifically, advancements in combustion engines, alternative fuels, and other enabling technologies. Deadline is April 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271852>

#### **Fiscal Year 2015 Vehicle Technologies Program Wide Funding Opportunity Announcement Grant**

This FOA supports a broad technology portfolio aimed at developing and deploying cutting edge advanced highway transportation technologies that reduce petroleum consumption and greenhouse gas emissions, while meeting or exceeding vehicle performance and cost expectations. Research, development, and deployment activities focus on reducing the cost and improving the performance of a mix of near and long term vehicle technologies. Specifically, these activities contribute to achieving the goals and objectives of the EV Everywhere Grand Challenge, with a focus on accelerating the development of advanced batteries, power electronics, and lightweight materials technologies. In addition, this FOA supports technology development to reduce petroleum consumption through fuel economy improvements; specifically, advancements in combustion engines, alternative fuels, and other enabling technologies. Deadline is April 10, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271829>

#### **Topical Collaborations in Nuclear Theory Grant**

The Office of Nuclear Physics (NP), Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving proposals for Topical Collaborations in Nuclear Theory. Topical Collaborations are fixed-term, multi-institution collaborations established to investigate a specific topic in nuclear physics of special interest to the community, which is aligned with programmatic NP goals and has not been addressed by a previous Topical Collaboration. Topical Collaborations also provide a mechanism for maintaining a robust community, by encouraging the creation of tenured university appointments and permanent laboratory positions in nuclear theory. A companion Program Announcement to DOE Laboratories (LAB15-1269) will be posted on the SC Grants and Contracts website at <http://science.energy.gov/grants>. Deadline is April 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271375>

#### **FY 2015 Vehicle Technologies Office Incubator Grant**

The DOE Office of Energy Efficiency and Renewable Energy (EERE) is an organization focused on achieving aggressive and well-defined mid-to-long term clean energy goals for the United States of America. In that context, EERE has established multi-year plans and roadmaps. EERE focuses the majority of its resources on a limited number of "highest probability of success" pathways/approaches to ensure that the program initiatives are supported at a critical mass (both in terms of dollars and time) for maximum impact. This roadmap-based approach is one of EERE's greatest strengths, but it can create challenges in recognizing and exploring

unanticipated, game changing pathways/approaches which may ultimately be superior to the pathways/approaches on our existing roadmaps. Deadline is March 30, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271381>

**Notice of Intent to Issue FOA: SunShot Incubator Round 10, SolarMat Round 3, SunPath Round 2 Grant**

This FOA will enable the widespread market penetration of highly impactful solar technologies and solutions through technology research, development, and demonstration to overcome technical, institutional and market challenges. The objective of this FOA is to deploy U.S. technical expertise in the area of sustainable urban development to cities in China and India through a variety of activities such as strategic and policy planning and analysis, design and management, energy market assessment, energy modeling, financial management, improvement of governance in local bodies, workforce development, technical assessment and analysis. Benefits to the U.S. can include increased partnership opportunities for U.S. clean energy technology companies so they can grow, exports of domestic clean energy technologies and services in rapidly expanding markets, as well as access to data on clean energy policy and programs success and challenges that can inform U.S. national and sub national policy development. Deadline is TBD.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270533>

**Physics of Reliability: Evaluating Design Insights for Component Technologies in Solar 2 (PREDICTS2) Grant**

The Physics of Reliability: Evaluating Design Insights for Component Technologies in Solar 2 (PREDICTS 2) funding opportunity announcement (FOA) seeks research and development projects that will advance the reliability and durability of solar photovoltaic (PV) technologies. Eligible projects will examine the performance of PV modules and will develop accelerated tests to better understand how solar modules degrade over time and achieve improved lifetime performance of the modules. Key focus areas will include using physics and chemistry and advanced data analysis to gain a better understanding of why solar modules fail, developing improved product tests and new rapid testing techniques or instruments ? either outdoors after installation or during the manufacturing process ? that evaluate module reliability, and improving data models to predict performance over time. These projects will directly support SunShot?s mission to cut the cost of solar energy technologies and increase widespread deployment of safe, reliable and efficient solar electricity nationwide. Deadline is March 12, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269966>

**Exploratory Research for Extreme-Scale Science Grant**

The Advanced Scientific Computing Research (ASCR) program of the Office of Science (SC), U.S. Department of Energy (DOE), hereby invites applications with the potential to enable significant research and computational advances for extreme-scale science. The mission of the DOE Office of Science is the delivery of scientific discoveries, capabilities and major scientific tools to transform the understanding of nature and to advance the energy, economic, and national security of the United States. Extreme-scale science research recognizes that fundamentally different techniques, software tools, and approaches will likely be needed to reap scientific benefits from disruptive, but potentially revolutionary, changes in technology. Major changes are occurring not only in scientific computing technologies (e.g., processors, memory and interconnect systems), but also in sensors and other hardware technologies at DOE experimental and observational scientific user facilities. The purpose of this Announcement is to invite exploratory basic research applications with the potential to deliver significantly advanced or improved science capabilities in light of emerging and disruptive technology changes. A companion Program Announcement to DOE Laboratories (LAB 15-0001250) will be posted on the SC Grants and Contracts web site at: <http://www.science.doe.gov/grants>. Deadline is March 19, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269957>

**Wind Energy Bat Impact Minimization Technologies and Field Testing Opportunities Grant**

The purpose of this Notice is to provide potential applicants advance notice that the Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind and Water Power Technologies Office, a Funding Opportunity Announcement (FOA) entitled ?Wind Energy Bat Impact Minimization Technologies and Field Testing Opportunities.? To address and minimize the regulatory and financial risks associated with wind power development in locations with sensitive bat species, the Department of Energy?s Wind and Water Power Technologies Office (WWPTO) seeks through this FOA to fund projects that advance the technical and commercial readiness of bat impact mitigation and minimization technologies including, but not limited to, bat deterrents and operational changes that have a high likelihood of reducing bat mortality at a facility. This FOA will also support the demonstration and evaluation of near-commercial bat impact mitigation technologies at operational wind facilities. These technologies, once successfully demonstrated, will provide regulators and wind facility owner-operators with viable and cost effective tools to reduce bat mortality at wind facilities and ease the regulatory and financial uncertainty related to the development and long-term operation of wind farms in bat habitat. Deadline N/A.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268049>

**Deploying Solutions to Improve the Energy Efficiency of U.S. Commercial Buildings Grant**

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Buildings Technology Office, a Funding Opportunity Announcement (FOA) number DE-FOA-0001168 entitled "Deploying Solutions to Improve the Energy Efficiency of U.S. Commercial Buildings." Through this FOA, DOE seeks to fund the scale-up of promising solutions to the market barriers that hinder the growth of energy efficiency in the commercial building sector. The objective of this funding is to build a path for market-ready solutions to be used at scale across the U.S. to improve building energy efficiency. In order for the Building Technologies Office Commercial Building Integration Program to meet DOE's national energy efficiency goals for commercial buildings (20% improvement by 2020; 50% by 2030), the program has invested in the development of resources, tools, and solutions designed to help overcome these barriers to energy efficiency. DOE's Commercial Building Integration Program is interested in funding proposals that deploy these resources and solutions, through successful existing programs or innovative new ones, to increase program effectiveness and increase energy savings in commercial buildings. Deadline TBA.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=265869>

**Notice of Intent: Building America Industry Partnerships for High Performance Housing Innovation Grant**

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Building Technologies Office, a Funding Opportunity Announcement (FOA) entitled, Building America Industry Partnerships for High Performance Housing Innovation, DE-FOA-0001117. Selected teams will conduct applied Research and Development (R&D) in real world houses to demonstrate market-relevant strategies that will lead to 40% energy savings in existing homes (pre-post retrofit) by 2030 and 50% savings in new homes (over International Energy Conservation Code (IECC) 2009) by 2025. Through this FOA, EERE will fund high impact projects that develop and demonstrate integrated solutions to any or all of these core technical challenges, primarily focused on solutions for U.S. climate zones with the greatest need i.e., Hot/humid, Mixed Humid, and Cold climates. The purpose of this Notice is to provide potential applicants advance notice that the Building Technologies Office, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a FOA titled, Building America Industry Partnerships for High Performance Housing Innovation. Deadline is TBA

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=265889>

**Notice of Intent to Issue Funding Opportunity Announcement DE-FOA-0001167 Buildings University Innovators and Leaders Development (BUILD) - 2015 Grant**

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Building Technologies Office, a Funding Opportunity Announcement (FOA) entitled "Buildings University Innovators and Leaders Development (BUILD) 2015. The BUILD FOA will have the following objectives: (i) Improving the competitiveness of American universities to conduct building energy-efficiency R&D (ii) Enabling American universities to develop stronger partnerships with industry (iii) Improving manufacturing education in American universities EERE envisions awarding multiple competitive financial assistance awards in the form of cooperative agreements with an estimated period of performance of approximately 2 years to USA-based university teams to research and develop innovative building energy efficiency technologies. These student teams must include undergraduate students, and be led by faculty with relevant expertise in energy efficient technologies, manufacturing (for projects developing hardware), and commercialization. The Lead Institution must be an Institution of Higher Education, which includes, but is not limited to universities, 2-year community colleges, and predominantly undergraduate institutions. The Lead Institution can choose to team with external partners such as a manufacturer or a government laboratory, but an external partner is not required at the time of application. Teams may propose to develop any technology (hardware), software, or manufacturing process with direct application to residential, multi-family and/or commercial buildings in the USA, with significant primary energy savings potential. The purpose of this Notice is to provide potential applicants advance notice that the Building Technologies Office, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a FOA titled, Buildings University Innovators and Leaders Development (BUILD) - 2015. NO APPLICATIONS WILL BE ACCEPTED THROUGH THIS NOTICE. Please do not submit questions or respond to this Notice of Intent. Prospective applicants to the FOA should begin developing partnerships, formulating ideas, and gathering data in anticipation of the issuance of this FOA. It is anticipated that this FOA will be posted to EERE Exchange late calendar year 2014. Deadline TBD.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264230>

**RFI Wind Energy Bat and Eagle Impact Minimization Technologies and Field Testing Opportunities Grant**

The Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) invites input from the public regarding a potential funding opportunity to advance the readiness of technologies intended to reduce mortality of bats, eagles, or other wildlife at operational wind turbines or wind facilities. EERE in particular seeks input on the current state of wildlife impact mitigation and minimization technologies, conditions under which technology vendors or developers would consider participating in a campaign to field test and validate their technologies, and the conditions under which wind farm owner/operators would consider hosting field testing and validation activities at their operational facilities. Finally, EERE seeks input on a proposed framework for conducting both technology field testing and validation activities and focused research and development (R&D) to

advance wildlife impact minimization technologies towards commercialization, and on how to prioritize funding for research within this framework. The purpose of this Request for Information (RFI) is to gather feedback from stakeholders prior to DOE potentially issuing a Funding Opportunity Announcement (FOA). Deadline is TBD.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=258555>

**Notice of Intent to Issue Funding Opportunity Announcement titled 'MHK R&D University Consortium' Grant**

The purpose of this Notice is to provide potential applicants advance notice that the Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind & Water Power Technologies Office (WWPTO), a Funding Opportunity Announcement (FOA) entitled Marine and Hydrokinetic (MHK) Research and Development University Consortium. This anticipated FOA is to support a university consortium to leverage existing in-situ Research and Development expertise to advance U.S. MHK technology, while developing intellectual capital for a globally-competitive workforce. The individual consortium-defined Research and Development activities pursued in the overall university consortium project will address strategic opportunities in DOE's MHK technology development portfolio. In applying, an eligible university consortium must demonstrate capabilities and expertise in Research and Development to fill strategic opportunities within the Program's portfolio including: Logistics development for operations and maintenance of devices and arrays in energetic marine environments. Development and validation of efficient high-fidelity resource characterization and/or modeling techniques. Development and techno-economic studies of devices for distributed applications. Component technology development necessary for enabling arrays: e.g. moorings and foundations, transmission, and other offshore grid components. Array performance testing and evaluation. In-water testing and evaluation of new, cost-effective environmental monitoring techniques and instrumentation in energetic marine environments. Deadline is not set.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252865>

**Notice of Intent to Issue Funding Opportunity Announcement titled Competitive Marine and Hydrokinetic (MHK) Demonstrations at the Navy's Wave Energy Test Site (WETS) Grant**

The purpose of this Notice is to provide potential applicants advance notice that the Wind & Water Power Technologies Office (WWPTO), on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a FOA titled, Competitive Marine and Hydrokinetic (MHK) Demonstrations at the Navy's Wave Energy Test Site (WETS). Testing, evaluation, and comparison of multiple close to full-scale wave energy conversion (WEC) systems will help industry identify and focus on the most promising device archetypes. This FOA intends to support the deployment of two WEC systems for a period of approximately one year at water depths of approximately 60 and 80 meters at the Navy's WETS in Kaneohe, HI, for comparison of performance, reliability, and levelized cost of energy (LCOE). Deadline has not been set.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252937>

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252358>

**Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0000982 Grant**

The Office of Energy Efficiency and Renewable Energy intends to issue, on behalf of the Wind and Water Power Technologies Office, a Funding Opportunity Announcement (FOA) entitled U.S. Wind Manufacturing: Taller Hub Heights to Access Higher Wind Resources, and Lower Cost of Energy. The proposed FOA will support the development of technologies that mitigate U.S. transportation and logistics constraints affecting the deployment of taller utility-scale wind turbine systems. The FOA is expected to focus on innovative designs and processes for wind turbine tower manufacturing and turbine system installation. Supported potential projects will develop integrated tower and erection solutions which are demonstrably cost-competitive over the entire tower lifecycle of fabrication through decommissioning, for multi-megawatt turbine hub heights of at least 120 meters. NO APPLICATIONS WILL BE ACCEPTED THROUGH THIS NOTICE. Please do not submit questions or respond to this Notice of Intent. Prospective applicants to the FOA should begin developing partnerships, formulating ideas, and gathering data in anticipation of the issuance of this FOA. It is anticipated that this FOA will be posted to EERE Exchange in the first quarter of calendar year 2014. Deadline date is not applicable.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249327>

**Notice of Intent to Issue FOA**

The Office of Energy Efficiency and Renewable Energy's (EERE) Vehicle Technologies Office (VTO) intends to issue a Funding Opportunity Announcement (FOA) entitled "Alternative Fuel and Advanced Vehicle Deployment Initiatives" to decrease the nation's dependence on petroleum and reduce greenhouse gas emissions by accelerating the deployment of alternative fuels. This FOA intends to select projects that will create and implement high impact and highly innovative approaches to increase the acceptance and deployment of alternative fuels, within the following areas of interests: 1) Alternative Fuel Vehicle Demonstration and Enhanced Driver Experience Project; 2) Alternative Fuel Training activities for first responders, public safety officials, and critical service providers; and 3) Incorporating Alternative Fuels into Emergency Response and Preparedness Operations. Deadline is not set.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252945>

## **Department of the Homeland Security**

### **Fiscal Year (FY) 2014 Fire Prevention and Safety Grant Program (FP Grant)**

The Department of Homeland Security (DHS) Federal Emergency Management Agency's (FEMA) Grants Programs Directorate is responsible for the implementation and administrations of the Assistance to Firefighters Grant (AFG) Program. The purpose of the AFG Program is to enhance the safety of the public and firefighters with respect to fire and fire-related hazards. The Grants Programs Directorate administers the Fire Prevention and Safety (FP&S) grants as part of the AFG Program. FP&S offers grants to support activities in two categories: (1) activities designed to reach high-risk target groups and mitigate incidences of death and injuries caused by fire and fire-related hazards ("Fire Prevention and Safety Activity") and (2) research and development activities aimed at improving firefighter safety ("Firefighter Safety Research and Development Activity"). The program guidance document provides potential applicants with the details of the requirements, processing, and evaluation of an application for financial assistance for both of these activity areas. Closing date for applications will be provided when the application period is set.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271072>

## **Department of the Interior**

### **Wildlife Without Borders - Latin America and the Caribbean (Central America) Grant**

From coral reefs and lowland rainforests to pine savannas, grasslands and high mountain forest, Central America is home to some of the richest forest and marine ecosystems on earth. Although the region contains less than one percent of the world's land surface, because of the variety of its habitats and its role as a bridge between North and South America, it possesses a disproportionate share about 7 percent of our planet's biodiversity.

Unfortunately, despite tremendous progress over the last two decades, Central America remains one of the most threatened biodiversity hotspots due to one of the highest land conversion and deforestation rates in both Latin America and the world. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273748>

### **FY15 Funding Guidance for Great Northern LCC Grant**

Under this FY15 Great Northern LCC Funding Guidance, the US Fish and Wildlife Service Mountain-Prairie Region (FWS R6) is requesting project proposals in support of the Great Northern LCC. Awards issued pursuant to this announcement will be expected to result in various products or outcomes. Details describing data and deliverable product expectations can be found in GNLCC Information Management, Delivery, and Sharing Standards ([http://greatnorthernlcc.org/sites/default/files/documents/gnlcc\\_datamgt\\_sharing\\_policy.pdf](http://greatnorthernlcc.org/sites/default/files/documents/gnlcc_datamgt_sharing_policy.pdf)). Deadline is March 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271355>

### **Desalination and Water Purification Research and Development (DWPR) Pilot Grant**

Water treatment is a very broad field, involving a number of technical disciplines. In DWPR, we are looking for innovations that will have a significant impact on how water treatment is carried out. Where the program has been successful, it has been so because of diversity. Until 2005, the program was sorted out by technology. The selection of projects was deliberately broad, avoiding focusing closely on one or two particular ideas or problems. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270391>

### **Desalination and Water Purification Research and Development (DWPR) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270390>

### **Water Resources Research National Competitive Grants Program Grant**

Section 104(g) of the Water Resources Research Act of 1984 requires that this competitive grant program focus on water problems and issues of a regional or interstate nature beyond those of concern only to a single State and which relate to specific program priorities identified jointly by the Secretary of the Interior and the water resources research institutes. Objectives of this program also include the following A. Promote collaboration between the USGS and university scientists in research on significant national and regional water resources issues. Proposals exhibiting substantial collaboration between the USGS and the applicant are encouraged and will receive extra weight in the evaluation and selection process. Collaborative proposals should describe in detail the respective roles of the USGS and the applicant in the proposed work. It is anticipated in FY2015 the USGS will have internal funds available for modest support of USGS scientists on selected proposals. B. Promote the dissemination and application of the results of the research funded under this program. C. Assist in the training of scientists in relevant water resource fields. Proposals that include a strong educational component student support are encouraged, as are proposals from faculty beginning their careers. Deadline is March 12, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270379>

### **Fiscal Year 2015 Recovery Implementation Fund Grant**

The FWS Ecological Services Program provides Federal financial assistance on a competitive basis to States, other Federal agencies, landowners, educators, non-profit organizations, researchers, and other partners to secure information about endangered, threatened or candidate species, to aid in the recovery of these species, to avert listing of species pursuant to the Endangered Species Act, and to help conserve the ecosystems upon which these species depend. The FWS and National Marine Fisheries Service (NMFS), which is part of the Department of Commerce's NOAA Fisheries office, share Endangered Species Act responsibilities for several species such as sea turtles. We have responsibility for sea turtles when they are on land, and NMFS has responsibility for sea turtles when they are in the water. Projects for NMFS-managed species are not included in this funding opportunity. This Recovery Implementation funding opportunity is intended for projects that will contribute to the recovery of FWS-managed endangered and threatened species in the United States, and is limited to projects carrying out actions described in a species approved recovery plan, in the implementation schedule of a species approved recovery plan, actions recommended in a completed 5-year status review of the species or in a spotlight species action plan, or projects documenting species response to climate change. Deadline is July 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270169>

### **The Partners for Fish and Wildlife Program Grant**

The Partners for Fish and Wildlife (PFW) Program is a voluntary, incentive-based program that provides direct technical assistance and financial assistance in the form of cooperative agreements to private landowners to restore and conserve fish and wildlife habitat for the benefit of federal trust resources. The PFW Program is delivered through more than 250 full-time staff, active in all 50 States and territories. Partners for Fish and Wildlife Program staff coordinate with project partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation priorities within these focus areas. Geographic focus areas are where the PFW Program directs resources to conserve habitat for federal trust species. Project work plans are developed strategically, in coordination with partners, and with substantial involvement from Service field staff. Projects must advance our mission, promote biological diversity, and be based upon sound scientific biological principles. Program strategic plans inform the types of projects funded under this opportunity. Applicants seeking funding under this program should review the program strategic plan and also contact the regional PFW Program office prior to submitting an application for funding. Deadline is September 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268198>

### **2015 EHP External Research Support Grant**

USGS Earthquake Hazards Program issues this annual Announcement for assistance to support research in earthquake hazards, the physics of earthquakes, earthquake occurrence, and earthquake safety policy. Deadline is May 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252944>

### **Wave-Exposed Sandy Beach Invertebrate Staining and Mark-Recapture Grant**

United States Department of the Interior, National Park Service (NPS) Notice of Intent to Award. This is not a request for applications. This posting is to provide public notice of NPS's intention to fund the following project activities without full and open competition: Task Agreement under Cooperative Agreement P13AC00676 with the University of California, Santa Barbara, a partner under the Californian Cooperative Ecosystem Studies Unit, for the project titled "Wave-Exposed Sandy Beach Invertebrate Staining and Mark-Recapture". Deadline is open.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237866>

### **Enterprise GIS Decision Support Models and Web Mapping System Grant**

Piedmont-South Atlantic Cooperative Ecosystem Studies Unit (CESU) network. The project objective is to develop GIS and web mapping tools for rapid collection and visualization impacts of Hurricane Sandy and mitigation efforts for other natural disaster events in the future. Deadline is open.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237849>

## **Department of Justice**

### **National Prisoner Statistics Program (NPS) and National Corrections Reporting Program (NCRP), 2015-2019 Grant**

The NPS and NCRP are BJS's flagship data collections measuring the size and composition of state and federal prison populations on an annual basis. The two collections complement each other by obtaining aggregate and detailed individual-level information on prisoners, which is used to describe and compare the prison population over time. The NPS collects aggregate counts of the male and female custody and jurisdictional prison populations as of December 31 each year. State departments of corrections (DOCs) and the Federal Bureau of Prisons (BOP) use their administrative records to tally their prison populations by jurisdiction, types of prison admissions and releases during the past year, race/Hispanic origin, and capacity of the facilities that hold prisoners in their custody. NPS also provides annual information on the number of confirmed cases of HIV/AIDS and current testing policies for these conditions. NPS has been collected annually since 1926, and these data are



used in BJS's Prisoners series and Corrections Populations in the United States series bulletins. Deadline is April 24, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274776>

#### **NIJ FY 15 Research and Development in Forensic Science for Criminal Justice Purposes Modification 1**

With this solicitation, NIJ seeks proposals for basic or applied research and development projects that will: (1) increase the body of knowledge to guide and inform forensic science policy and practice or (2) result in the production of useful materials, devices, systems, or methods that have the potential for forensic application. The intent of this program is to direct the findings of basic scientific research, research and development in broader scientific fields applicable to forensic science, and ongoing forensic science research toward the development of highly discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes. Deadline is April 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271179>

### **Department of State**

#### **Department of Transportation**

##### **Pipeline & Hazardous Material Safety Administration Technical Assistance Grants (TAG) Grant**

The Pipeline and Hazardous Materials Safety Administration (PHMSA), through the U.S. Department of Transportation (DOT), hereby requests applications from local communities and groups of individuals (not including for-profit entities) to obtain funding for technical assistance in the form of engineering or other scientific analysis of pipeline safety issues affecting the local community or to help promote public participation in official proceedings (excluding non-official proceedings) pertaining to pipeline safety issues. Deadline is April 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272688>

### **National Aeronautics and Space Administration**

#### **RESEARCH OPPORTUNITIES IN AERONAUTICS – 2015 Grant**

Under the FY 2015 ROA NRA ARMD will continue solicitation of foundational and systems-level research proposals for four programs within ARMD: the Advanced Air Vehicles Program, the Airspace Operations and Safety Program, the Integrated Aviation Systems Program, and the Transformative Aeronautics Concepts Program. The Advanced Air Vehicles Program (AAVP) conducts cutting-edge research that will generate innovative concepts, technologies, capabilities, and knowledge to enable revolutionary advances for a wide range of air vehicles. The Airspace Operations and Safety Program (AOSP) develops and explores fundamental concepts, algorithms, and technologies to increase throughput and efficiency of the National Airspace System (NAS) safely. The Integrated Aviation Systems Program (IASP) will conduct research at an integrated system-level on promising concepts and technologies and explore/assess/demonstrate the benefits in relevant environments. The Transformative Aeronautics Concepts (TAC) Program cultivates multi-disciplinary, revolutionary concepts to enable aviation transformation and harnesses convergence in aeronautics and non-aeronautics technologies to create new opportunities in aviation. The goal of TAC is to knock down technical barriers and infuse concepts into all six ARMD strategic thrusts. The structure of the ROA NRA will require that proposals be submitted to the most relevant aeronautics program elements, which will be described in Appendices to the NRA. Specific Proposal submission deadline dates, any particular evaluation criteria, and submission points of contact will also be identified in the NRA Appendices. Deadline is March 31, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274057>

#### **TECHNOLOGY ADVANCING PARTNERSHIPS CALL AT JOHN F. KENNEDY SPACE CENTER Grant**

The National Aeronautics and Space Administration (NASA) at John F. Kennedy Space Center is releasing a Cooperative Agreement Notice (CAN) for the Technology Advancing Partnerships (TAP) Call. Upon its release date, February 11, 2015, this CAN will be available electronically through the NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) by selecting "solicitations" (nspires.nasaprs.com). Participation is open to all U.S. organizations including educational institutions, industry and nonprofit institutions. Deadline is May 8, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273870>

#### **NASA SCIENCE MISSION DIRECTORATE (SMD) SCIENCE EDUCATION Grant**

The goal of NASA SMD Science Education is to enable NASA scientists and engineers into the learning environment more efficiently and effectively for learners of all ages. This CAN is to meet the following NASA SMD Science Education Objectives: Enabling STEM education, improving U.S. science literacy; advancing National education goals; and leveraging science education through partnerships. NASA intends to select one or more focused, science discipline-based team(s). While it is envisioned that multiple agreements may be awarded, selection of a single award to support all of SMD science education requirements is not precluded. Awards are anticipated by September 30, 2015. Issuance of this CAN is dependent on programmatic factors, including NASA

receiving an appropriation and operating plan containing adequate funding within the NASA budget. Any costs incurred by prospective investigators in preparing submissions in response to this CAN are incurred completely at the submitter's own risk. Deadline is May 4, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273028>

#### **SPACE TECHNOLOGY RESEARCH DEVELOPMENT DEMONSTRATION AND INFUSION-2015 Grant**

The National Aeronautics and Space Administration (NASA) Headquarters, Space Technology Mission Directorate (STMD) will be releasing an umbrella NASA Research Announcement (NRA) titled "Space Technology Research, Development, Demonstration, and Infusion-2015 (SpaceTech-REDDI-2015)" in October 2014. The NRA will be accessible from the NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) website, (<http://nspires.nasaprs.com>) by linking through the menu listing "Solicitations", and then selecting "Open Solicitations" and finally selecting "Space Technology Research, Development, Demonstration, and Infusion-2015 (SpaceTech-REDDI-2015)." Under SpaceTech-REDDI-2015, proposals will be solicited through Appendices which will be issued as technology topics are defined and funding is made available for new opportunities. Once new Appendices are released, interested parties will be able to access them by clicking through the Open Solicitations link, then selecting "NRA NNH15ZOA001N", and then selecting "List of Open Program Elements". It is anticipated that this umbrella solicitation (SpaceTech-REDDI-2015) will be open for one year (through October 2015) and follow-up umbrella SpaceTech-REDDI solicitations will be issued annually at about the same time. The STMD portfolio supports a combination of early-stage studies, for assessing the feasibility of entirely new technologies (which corresponds to a technology readiness level (TRL) range from 1 to 3); maturing feasible technologies through rapid competitive development and ground-based testing (TRL 3-5); and flight demonstrations in relevant environments to complete the final steps prior to mission infusion (TRL 5-7). This technological diversity results in a sustainable pipeline of revolutionary concepts. STMD seeks aggressive technology development efforts that may require undertaking significant technical challenges and risk to achieve a higher potential payoff. Deadline is September 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=265188>

### **National Park Service**

### **National Science Foundation**

#### **Cyber-Physical Systems Grant**

Cyber-physical systems (CPS) are engineered systems that are built from, and depend upon, the seamless integration of computational algorithms and physical components. Advances in CPS will enable capability, adaptability, scalability, resiliency, safety, security, and usability that will far exceed the simple embedded systems of today. CPS technology will transform the way people interact with engineered systems -- just as the Internet has transformed the way people interact with information. New smart CPS will drive innovation and competition in sectors such as agriculture, energy, transportation, building design and automation, healthcare, and manufacturing. Three classes of research and education projects -- differing in scope and goals -- will be considered through this solicitation: Breakthrough projects must offer a significant advance in fundamental CPS science, engineering and/or technology that has the potential to change the field. This category focuses on new approaches to bridge computing, communication, and control. Synergy projects must demonstrate innovation at the intersection of multiple disciplines, to accomplish a clear goal that requires an integrated perspective spanning the disciplines. Frontier projects must address clearly identified critical CPS challenges that cannot be achieved by a set of smaller projects. Deadline is May 4, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272671>

#### **Promoting Research and Innovation in Methodologies for Evaluation Grant**

The Promoting Research and Innovation in Methodologies for Evaluation (PRIME) program seeks to support research on evaluation with special emphasis on: (1) exploring innovative approaches for determining the impacts and usefulness of STEM education projects and programs; (2) building on and expanding the theoretical foundations for evaluating STEM education and workforce development initiatives, including translating and adapting approaches from other fields; and (3) growing the capacity and infrastructure of the evaluation field. Three types of proposals will be supported by the program: Exploratory Projects that include proof-of-concept and feasibility studies; more extensive Full-Scale Projects; and conferences. Deadline is April 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272670>

#### **Professional Formation of Engineers Grant**

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all. Engineering faculty possess both deep

technical expertise in their engineering discipline and the primary responsibility for the process of professional formation of future engineers. As such, engineering faculty are in a unique position to help address critical challenges in engineering formation. The Professional Formation of Engineers: Research Initiation in Engineering Formation (PFE: RIEF) program enables engineering faculty who are renowned for teaching, mentoring, or leading educational reform efforts on their campus to initiate collaborations with colleagues in the social and/or learning sciences to address difficult, boundary-spanning problems in the professional formation of engineers. Deadline is April 30, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272669>

#### **Basic Research to Enable Agricultural Development Grant**

The Basic Research to Enable Agricultural Development (BREAD) Program was established in 2009 as a National Science Foundation (NSF) program supported in partnership with the Bill & Melinda Gates Foundation (BMGF). The goal of BREAD is to support innovative basic scientific research designed to address key constraints to smallholder agriculture in the developing world. In FY 2015, activities in two focus areas will be supported: (1) Developing High Throughput, Low Cost Phenotyping Tools and Devices to facilitate assessment of field-based phenotypes, especially for root and tuber crops (PHENO), and (2) Advancing Basic Research in Crop Plants Relevant to Smallholder Agriculture in Developing Countries (ABRDC) to develop critically needed sequence and functional genomics resources to enable basic and applied research in crop plants important for smallholder agriculture. As in past competitions, proposals are expected to address project outcomes in the context of broader societal impacts, and as appropriate to the research proposed, engage international partners in scientific collaborations. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272668>

#### **Critical Resilient Interdependent Infrastructure Systems and Processes Grant**

The goals of the Critical Resilient Interdependent Infrastructure Processes and Systems (CRISP) solicitation are to: (1) foster an interdisciplinary research community of engineers, computer and computational scientists and social and behavioral scientists, that creates new approaches and engineering solutions for the design and operation of infrastructures as processes and services; (2) enhance the understanding and design of interdependent critical infrastructure systems (ICIs) and processes that provide essential goods and services despite disruptions and failures from any cause, natural, technological, or malicious; (3) create the knowledge for innovation in ICIs so that they safely, securely, and effectively expand the range of goods and services they enable; and (4) improve the effectiveness and efficiency with which they deliver existing goods and services. These goals lead to the following specific objectives for this solicitation: To create new knowledge, approaches, and engineering solutions to increase resilience, performance, and readiness in ICIs. To create theoretical frameworks and multidisciplinary models of ICIs, processes and services, capable of analytical prediction of complex behaviors, in response to system and policy changes. To develop frameworks to understand interdependencies created by the interactions between the physical, the cyber (computing, information, computational, sensing and communication), and social, behavioral and economic (SBE) elements of ICIs. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270650>

#### **Improving Undergraduate STEM Education: Pathways into Geoscience Grant**

The *IUSE: GEOPATHS* funding opportunity invites creative proposals to broaden and strengthen the pathways that will engage and retain undergraduate students in geoscience education and career pathways, and help prepare them for a variety of careers. The long-term goal of this program is to dramatically increase the number and diversity of students earning undergraduate degrees or enrolling in graduate programs in geoscience fields, as well as ensure that they have the necessary skills and competencies to succeed as next generation professionals in a variety of employment sectors. *IUSE: GEOPATHS* projects are expected to utilize effective, evidence-based strategies for improving student engagement and retention, and to expose students to meaningful experiences in the geosciences through leveraging of academic and/or non-academic research and instrumentation infrastructure. The underlying “theory of change” for this solicitation is that using novel ways of engaging a larger population of students and exposing them to authentic, career-relevant geoscience experiences that augment the formal curriculum will increase their desire to earn degrees and pursue careers in the field. Deadline is March 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270876>

#### **Antarctic Research Grant**

Scientific research, along with operational support of that research, is the principal activity of the U.S. Antarctic Program in Antarctica. The National Science Foundation's Antarctic Sciences Section (ANT), Division of Polar Programs, fosters research on globally and regionally important scientific problems. In particular, the Antarctic Sciences Section supports research that expands fundamental knowledge of the region as well as research that relies on the unique characteristics of the Antarctic continent as a platform from which to support research. Antarctic fieldwork will only be supported for research that can only be performed or is best performed in Antarctica. The Antarctic Sciences Section strongly encourages research using existing samples, models, and

data as well as research at the intersection between disciplines. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270570>

#### **Cultivating Cultures for Ethical STEM Grant**

Cultivating Cultures for Ethical STEM (CCE STEM) funds research projects that identify factors that are efficacious in the formation of ethical STEM researchers in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: What constitutes ethical STEM research and practice? Which cultural and institutional contexts promote ethical STEM research and practice and why? Factors one might consider include: honor codes, professional ethics codes and licensing requirements, an ethic of service and/or service learning, life-long learning requirements, curricula or memberships in organizations (e.g. Engineers without Borders) that stress social responsibility and humanitarian goals, institutions that serve under-represented groups, institutions where academic and research integrity are cultivated at multiple levels, institutions that cultivate ethics across the curriculum, or programs that promote group work, or do not grade. Do certain labs have a culture of academic integrity? What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings? Deadline is March 12, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270439>

#### **Genealogy of Life Grant**

Comprehensive understanding of life and how and why it changes over time depends on knowledge of the phylogeny (evolutionary relationships) of living and extinct organisms. The goals of the Genealogy of Life (GoLife) program are to resolve the phylogenetic history of all life's diverse forms and to integrate this genealogical architecture with underlying organismal and environmental data. The ultimate vision of this program is an open access, comprehensive Genealogy of Life that will provide the comparative framework necessary for testing questions in systematics, evolutionary biology, ecology, and other fields. Strategic integration of this genealogy of life with data layers from genomic, phenotypic, spatial, ecological and temporal data will produce an extensive synthesis of biodiversity and evolutionary sciences. The resulting knowledge infrastructure will enable synthetic research on biological dynamics throughout the history of life on Earth, within current ecosystems, and for predictive modeling of the future evolution of life. Deadline is March 25, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269738>

#### **National Nanotechnology Coordinated Infrastructure Grant**

Over the past decade of its authorized award life, the National Nanotechnology Infrastructure Network (NNIN) has enabled major discoveries, innovations, and contributions to education and commerce by providing researchers from academia, small and large companies, and government with open access to university user facilities with leading-edge fabrication and characterization tools, instrumentation, and expertise within all disciplines of nanoscale science, engineering, and technology. The National Science Foundation is now moving forward with the new National Nanotechnology Coordinated Infrastructure (NNCI) as the successor to the NNIN. This solicitation establishes a competition for individual university user facility sites positioned across the nation. A Coordinating Office will then be selected competitively at a later stage from among the selected sites to enhance their impact as a national infrastructure of user facility sites. The ultimate selection of user facility sites will include capabilities and instrumentation addressing current and anticipated future user needs across the broad areas of nanoscale science, engineering, and technology. Deadline is April 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269669>

#### **Division of Environmental Biology Grant**

The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling. Deadline is August 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=267748>

#### **Experimental Program to Stimulate Competitive Research (EPSCoR): Workshop Opportunities Grant**

The Experimental Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. The EPSCoR program is directed at those jurisdictions that have historically received lesser amounts of NSF Research and Development funding. Deadline is September 30, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=186193>

### **Ocean Drilling Grant**

The International Ocean Discovery Program (IODP) serves to advance basic research in the marine geosciences and is supported by the National Science Foundation (NSF) and its international partners. The science plan, Illuminating Earth's Past, Present, and Future: The International Ocean Discovery Program Science Plan for 2013-2023, provides justification for the United States' participation in the IODP and reflects the top priorities of the international science community. A multi-platform approach is required to address the goals outlined in the IODP science plan, including a non-riser vessel to collect widely-distributed high-resolution cores to address climate, environmental, crustal and observatory science objectives; a heavy riser-equipped vessel to reach the deep sedimentary and crustal layers; and mission-specific platforms to support high-latitude and shallow-water projects. Deadline is TBD

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254073>

### **Transportation**

### **USAID**

### **State/Private/Non-Profit Support/Other**

#### **GOOGLE Faculty Research Awards**

Facilitates interaction between Google and academia and also nurtures stronger relations and partnerships with universities. The intent of the awards is to support academic research aimed at improving information access (defined broadly). Tentative deadlines: August 15th, and December 15th of each year

[http://research.google.com/university/research\\_awards.html](http://research.google.com/university/research_awards.html)

# Health & Medicine

## Department of Defense

### **FY15 - FY16 Department of Defense HIV/AIDS Prevention Program: Military Specific HIV/AIDS Prevention, Care, and Treatment Program for non-PEPFAR (President's Emergency Plan for AIDS Relief) Grant**

DHAPP's goal is to maximize program impact by understanding and targeting military HIV/AIDS risk factors, by developing interventions and programs that address military HIV/AIDS risk. The Department of Defense HIV/AIDS Prevention Program (DHAPP) is responsible for assisting foreign military partners with the development and implementation of culturally focused, military-specific HIV/AIDS prevention, care, and treatment programs in over 65 countries around the globe. Deadline is September 30, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270443>

### **FY15 - FY16 Department of Defense HIV/AIDS Prevention Program: Military Specific HIV/AIDS Prevention, Care, and Treatment Program for PEPFAR (President's Emergency Plan for AIDS Relief) Funded Countries Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270446>

### **Request for Applications from the Consortium to Alleviate Posttraumatic Stress Disorder (CAP) funded jointly by the Department of Defense (DOD) and Department of Veterans Affairs (VA).**

The Consortium to Alleviate PTSD (CAP) will provide an array of cutting-edge clinical treatment trials and biological studies for active military and veterans with PTSD and related conditions, said CAP Consortium Director Alan L. Peterson, Ph.D., professor of psychiatry in the School of Medicine at the UT Health Science Center San Antonio. The consortium's initiatives will include efforts to learn more about the biology/physiology of PTSD development and treatment response to inform diagnosis, prediction of disease outcome, and new or improved treatment methods. Deadline is TBD.

<http://delta.uthscsa.edu/consortiumtoalleviateptsd/>

## Department of Health and Human Services (DHHS)

### ***National Institutes of Health & CDC***

#### **National Institutes of Health**

### **Collaborative Activities to promote High Dimensional Molecular Analyses in NIEHS-supported Children's Environmental Health Studies (Admin Supp) Grant**

These administrative supplements provide funds to awarded research grants to facilitate or enhance ongoing efforts in proteomics, metabolomics, epigenomics and other high dimensional molecular analysis approaches in existing pregnancy, birth, and/or children's cohorts. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274762>

### **Administrative Supplements for Common Basic Sociobehavioral Mechanisms and Processes that Facilitate or Impede Self-Management of Chronic Conditions (Admin Supp) Grant**

NIH's Basic Behavioral and Social Science Opportunity Network (OppNet) announces the opportunity of funds to support increases in costs on existing projects in order to elucidate basic mechanisms and processes that facilitate and/or impede an individual's attitudes, beliefs, knowledge, and behaviors involved with the self-management of chronic disease conditions within respective social and/or physical environment(s). Deadline is May 5, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274760>

### **Big Data to Knowledge (BD2K) Advancing Biomedical Science Using Crowdsourcing and Interactive Digital Media (UH2) Grant**

The purpose of this Big Data to Knowledge funding opportunity (FOA) announcement is to support the development of new or significantly adapted interactive digital media that engages the public, experts or non-experts, in performing some aspect of biomedical research via crowdsourcing. To be responsive to this FOA, each application is expected to pose a challenging biomedical research problem and propose the development of engaging interactive digital media that incorporates crowdsourcing as a fundamental component of how the problem is solved. The biomedical research problem should be amenable to one or more human computation approaches, as the users must be active participants in the analysis and/or interpretation of data, rather than acting primarily as data collectors or sources of data. Deadline is June 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274748>

### **Eunice Kennedy Shriver NICHD Maternal-Fetal Medicine Units (MFMU) Network (UG1) Grant**

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the

NICHD in clinical trials and observational studies under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in perinatal medicine, particularly those related to low birth weight, prematurity, and common obstetrical medical problems. Deadline is June 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274751>

**Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (UG1) Grant**

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD in clinical trials and observational studies under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in perinatal medicine, particularly those related to low birth weight, prematurity, and common obstetrical medical problems. Deadline is June 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274743>

**Pharmacometric Modeling and Simulation for Long Acting Injectable Products (U01) Grant**

The purpose of this project is to: Subtopic 1: conduct physiologically-based pharmacokinetic modeling (PBPk) to relate critical quality attributes to in vivo performance for bioequivalence (BE) evaluation; Subtopic 2: perform population pharmacokinetic-pharmacodynamic (PK-PD) modeling and statistical analysis to identify ways to reduce residual variability and identify appropriate PK metrics, enabling BE assessment in parallel BE studies with acceptable sample size. The findings from these studies will help establish scientific and regulatory standards for ensuring therapeutic equivalence of generic LAI products. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274613>

**Dissolution Methods for Long-acting Periodontal Drug Products (U01) Grant**

There is a lack of compendial or biorelevant in vitro drug release assays for long-acting periodontal dosage forms. These products include biodegradable microspheres, in situ forming implants and matrix tablets. The purpose of this study is to develop a bio-relevant dissolution method for a long-acting periodontal dosage form and to identify the drug product's key physicochemical attributes that affect the drug dissolution behavior and bioavailability. The results from this study will help the FDA in developing recommendations to determine bioequivalence of generic long-acting periodontal drug products. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274612>

**Dissolution Methods for Long-acting Levonorgestrel Intrauterine System (U01) Grant**

There is a lack of compendial or biorelevant in vitro drug release assays for long-acting contraceptive intrauterine systems. The objective of this study is to investigate dissolution methods, both real time and accelerated conditions, for levonorgestrel intrauterine system (5-year application) and to analyze their capability of detecting manufacturing differences, predicting in vivo performance, and to evaluate method robustness. The results from this study will help the FDA in developing recommendations to determine bioequivalence of generic intrauterine systems. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274611>

**Intellectual and Developmental Disabilities Research Centers 2015 (U54) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to seek applications for the *Eunice Kennedy Shriver* Intellectual and Developmental Disabilities Research Centers (IDDRCs). This FOA invites applications for research center cooperative agreements designed to advance the diagnosis, prevention, treatment, and amelioration of intellectual and developmental disabilities (IDD). This FOA seeks applications from institutions that meet the qualifications for a multi-disciplinary program of IDD research that will include: 1) Cores that facilitate interdisciplinary and translational research in IDD, and support IDD-related projects funded by other sources; and 2) at least one specific research project related to one of five focus themes identified as an area of research need in IDD. Funds for the majority of research projects using these core facilities come from independent sources including Federal, State, and private organizations. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274110>

**Child Health Research Career Development Award (CHRCDA) Program (K12) Grant**

The goal of the Child Health Research Career Development Award (CHRCDA) Program is to promote the performance of research and transfer of findings that will benefit the health of children. This will be accomplished by supporting research career development of new faculty-level pediatricians, to be known as CHRCDA Scholars. These K12 Program grant awards will generate well-qualified pediatrician scientists who will help meet the need for highly skilled physician investigators who can take advantage of new technologies and respond to the increasing demands of pediatric research. This Funding Opportunity Announcement (FOA) invites applications for institutional research career development (K12) programs from applicant organizations that propose to support a national program of mentored institutional career development programs for junior faculty investigators who have recently completed postgraduate clinical training in a subspecialty area of Pediatrics, and are committed to launching an independent research career. The program provides supervised research training to assist the transition into productive physician scientists. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274064>

### **NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12) Grant**

The purpose of the NIDA Mentored Clinical Scientists Development Award in Drug Abuse and Addiction (K12) is to encourage institutions to develop and/or sustain programs that support intensive, mentored research training and career development experiences for clinician scientists (scholars). It is expected that these programs will provide scholars the mentoring, training, and research experiences necessary for research independence in the area of drug abuse and addiction. Each award is intended to support scholars for 3-5 years of consecutive 12-month appointments. This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading to research independence in the area of drug abuse and addiction. For this FOA, clinician scientists may include (but are not limited to) physicians, clinical psychologists, epidemiologists, doctoral-level social workers, pharmacists, and behavioral scientists. Scholars are expected to be supported for 3-5 years on consecutive 12-month appointments. Candidates selected for support as scholars must hold a doctorate and commit a minimum of 9 person-months (equivalent to 75% of full-time professional effort) to conducting clinical research and career development activities associated with the proposed program. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273873>

### **Adolescent Brain Cognitive Development (ABCD) Study - Research Project Sites (U01) Grant**

The Collaborative Research on Addiction at the NIH (CRAN) composed of the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Cancer Institute (NCI), and along with the Eunice Kennedy Shriver Institute of Child Health and Human Development (NICHD), National Institute of Mental Health (NIMH), National Institute on Minority Health and Health Disparities (NIMHD), and the Office of Behavioral and Social Sciences Research (OBSSR) intend to jointly fund the Adolescent Brain Cognitive Development (ABCD) Study Consortium using the cooperative agreement award mechanism. The objective of the consortium is to establish a national, multisite, longitudinal cohort study to prospectively examine the neurodevelopmental and behavioral effects of substance use from early adolescence (approximately age 9-10) through the period of risk for substance use and substance use disorders. The structure of the consortium shall consist of three highly integrated components that may be linked at the time of submission: (1) a set of Research Project Sites, (2) a single central Data Analysis and Informatics Center, and (3) a single overall Coordinating Center. Unlinked applications will also be accepted, and if selected for funding, will be linked to other applications to form a consortium after review. This Funding Opportunity Announcement (FOA) solicits applications for Research Project Sites. This FOA runs in parallel with companion FOAs that solicit applications for a single Coordinating Center (RFA-DA-15-014) and a single central Data Analysis and Informatics Center (RFA-DA-15-016). It is expected that investigators, upon funding, will work jointly with NIH scientific staff to assist, guide, coordinate, or participate in project activities. Deadline is April 14, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273089>

### **Adolescent Brain Cognitive Development (ABCD) Study - Coordinating Center (U24) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273108>

### **Adolescent Brain Cognitive Development (ABCD) Study - Data Analysis and Informatics Center (U24) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273109>

### **Supplements to Advance Research (STAR) from Projects to Programs (Admin Supp) Grant**

The NIAMS is committed to supporting investigators in its various mission areas, and across all career stages. The objective of the NIAMS STAR Program is to promote innovation and exploration of high-risk ideas by providing supplemental funding to Early Established Investigators (EIs). The STAR Program is designed to allow EIs to expand upon and explore new opportunities within the broad scope of a currently funded, peer-reviewed research project to facilitate the transition from a single project to a research program. This supplemental award program will support activities that provide the basis to effectively allow EIs to transition from a single, structured research project to multiple, related projects with interconnected goals but with clearly distinct focus and approaches. For the purpose of the STAR Program, NIAMS defines EIs as those who have successfully renewed a first NIAMS-supported R01 which was received no earlier than 2009 with "New Investigator" status. The objective of the NIAMS STAR Program is to promote innovation and exploration of high-risk ideas by providing supplemental funding to early established investigators (EIs). The STAR Program will support activities that effectively allow EIs to expand and explore new opportunities within the broader scope of a currently funded, peer-reviewed research project to facilitate the transition from a single, structured research project to a research program. Deadline is November 6, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273072>

### **Patient Safety Learning Laboratories: Innovative Design and Development to Improve Healthcare Delivery Systems (P30) Grant**

This P30 FOA calls for the creation and utilization of Patient Safety Learning Laboratories. These learning laboratories are places and professional networks where closely related threats to patient safety can be identified,



where multidisciplinary teams generate new ways of thinking with respect to the threats, and where environments are established conducive to brainstorming and rapid prototyping techniques that stimulate further thinking. Learning laboratories further enable multiple develop-test-revise iterations of promising design features and subsystems of the sort that can be found in larger-scale engineering projects. Once the closely aligned projects or subsystems are developed, integrated, and implemented as an overall working system, the ultimate function of the learning laboratory is to evaluate the system in a realistic simulated or clinical setting with its full complement of facility design, equipment, people (patients, family members, and providers), new procedures and workflow, and organizational contextual features, as appropriate. Applicants will select two to four closely related projects that focus on well-known, costly, patient safety harms in a given clinical area, and for which new and innovative design approaches are needed. While applicants will select the area of patient safety focus they consider of high significance, a flexible methodology – problem analysis, design, development, implementation, and evaluation – is provided that parallels the system development process to give an underlying structure to the four-year level of effort. Deadline is April 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273228>

#### **Gene-Environment Interplay in Substance Use Disorders (R01) Grant**

This Funding Opportunity Announcement (FOA) seeks to stimulate and expand research on the interplay of genetic and environmental factors in the genesis, course, and outcomes of substance and alcohol use disorders (SUDs). Previous work in genetic epidemiology and molecular genetics has established that SUDs are highly heritable, developmental disorders with important genetic substrates. Building on these findings, new studies using genetically informative approaches are needed to elucidate the complex interplay of genetic and environmental factors in developmental trajectories of SUDs and comorbid conditions, deepen and refine phenotypic definitions of SUDs, and meet the methodologic challenges of the field. Such studies hold great potential to promote understanding of the true contributions of both genetic and environmental factors to initiation, progression, comorbidity, adverse outcomes, and cessation of SUDs; to elucidate mechanisms of risk; and to enhance opportunities for translation to treatment, prevention, gene-finding and molecular studies. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273209>

#### **Gene-Environment Interplay in Substance Use Disorders (R03) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273213>

#### **Gene-Environment Interplay in Substance Use Disorders (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273216>

#### **Development and validation of laboratory procedures using next generation sequencing technologies to assess genes causing severe combined immune deficiency (SCID) in state newborn screening laboratories Modification 4**

This FOA is to develop, improve, and implement laboratory techniques to assess babies born with severe combined immune deficiency (SCID) and other primary immunodeficiencies using next generation sequencing technologies as a second tier test in state newborn screening laboratories. CDC seeks to evaluate the potential of using next generation sequencing technologies in the state newborn screening laboratory setting. Results of this activity will be used to inform other state newborn screening laboratories about the feasibility of using next generation sequencing technologies in the state newborn screening laboratory setting to evaluate babies that screen positive for SCID and other primary immunodeficiencies. The ultimate goal is to improve treatment outcomes for babies with SCID or other primary immunodeficiencies. Deadline is April 6, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273073>

#### **Advancing Exceptional Research on HIV/AIDS and Substance Abuse (R01) Grant**

This FOA will support highly innovative R01 applications on HIV/AIDS and drug abuse and will complement the Avant-Garde Award Program for HIV/AIDS research. The [Avant-Garde award](#) supports individuals who conduct high-risk, high-reward research and does not require a detailed research plan. Applications submitted under this FOA are required to have a detailed research plan and preliminary data. This FOA focuses on innovative research projects that have the potential to open new areas of HIV/AIDS research and/or lead to new avenues for prevention and treatment of HIV/AIDS among substance abusers. The nexus with substance abuse should be clearly described. This FOA is open to both individual researchers and research teams and is not limited to any one area of research on HIV and substance use. Deadline is July 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273728>

#### **Molecular Mechanisms of Combination Adjuvants (MMCA)(U01) Grant**

This Funding Opportunity Announcement (FOA) solicits applications that propose studies of the mechanism of action of a combination of two or more vaccine adjuvants (combination adjuvant). Adjuvants that are used in these studies must already have shown immune boosting activity when used individually in licensed or unlicensed vaccines (e.g. experimental or candidate vaccines). The purpose of this FOA is to build upon the investment the NIAID has already made into adjuvant research, by combining previously identified and characterized adjuvants and characterizing their immune stimulating activity. The Cooperative Agreement grant mechanism allows for coordination of these research efforts with NIAID's overall adjuvant research objectives. The long-term goal is to

promote the development of novel adjuvant combinations which will improve the immunogenicity of vaccines while addressing concerns related to reactogenicity. Deadline is July 9, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273673>

**High-End Instrumentation (HEI) Grant Program (S10) Grant**

The purpose of this funding opportunity is to continue the High End Shared Instrumentation Grant (HEI) Program administered by ORIP. The objective of the program is to make available to institutions expensive research instruments that can only be justified on a shared-use basis and that are needed for NIH-supported projects in basic, translational or clinical areas of biomedical/behavioral research. The HEI program provides funds to purchase or upgrade a single item of expensive, specialized, commercially available instrument or an integrated instrumentation system. An integrated instrumentation system is one in which the components, when used in conjunction with one another, perform a function that no single component could provide. The components must be dedicated to the system and not used independently. The ORIP High-End Shared Instrument Grant (HEI) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that cost at least \$600,000. The maximum award is \$2,000,000. Types of instruments supported include, but are not limited to, X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical Imagers. Deadline is May 29, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273671>

**NIDCD Planning Grant for Phase III Clinical Trials in Communication Disorders (U34) Grant**

The NIDCD is committed to identifying effective interventions for the treatment or prevention of communication disorders by supporting robust, well-designed, and well-executed clinical trials. This funding opportunity announcement (FOA) supports a cooperative agreement between NIDCD Project Scientist and investigator for a planning grant for phase III clinical trials of definitive efficacy. The NIDCD Planning Grant for Phase III Clinical Trials in Communication Disorders (U34) is used to support the refinement of the multicenter randomized phase III clinical trial protocol and procedures and the development of a detailed Manual of Procedures (MOP) (see <http://www.nidcd.nih.gov/research/clinicaltrials> for an example of a complete, detailed MOP). Consultation with NIDCD Scientific/Research staff is strongly encouraged prior to the submission of the U34 application. Deadline is October 10, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273668>

**NIDCD Phase I/II/III Clinical Trials in Communication Disorders (U01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=273669>

**Brain Initiative: New Concepts and Early-Stage Research for Large-Scale Recording and Modulation in the Nervous System (R21) Grant**

A central goal of the BRAIN Initiative is to understand how electrical and chemical signals code information in neural circuits and give rise to sensations, thoughts, emotions and actions. Available technologies for recording and manipulating neural circuit activity in human and animal experiments are not sufficient to accomplish this goal. This FOA seeks applications for technology at an even earlier stage of development. It seeks new and untested ideas that are in the very earliest stages. The support provided might enable calculations, simulations, computational models, or other mathematical approaches for demonstrating that the signal sources and/or measurement technologies are theoretically capable of meeting the demands of large-scale recording or manipulation of circuit activity. The support might also be used for building and testing phantoms, prototypes, in-vitro or other bench-top models in order to validate underlying theoretical assumptions in preparation for future FOAs aimed at testing in animal models. Invasive or non-invasive approaches are sought that will ultimately enable or reduce the current barriers to large-scale recording or manipulation of neural activity, and that would be compatible with experiments in humans or behaving animals. Applications are encouraged from any qualified individuals, including physicists, engineers, theoreticians, and scientists, especially those not typically involved with neuroscience research. Deadline is April 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272449>

**Multilevel Interventions in Cancer Care Delivery: Building from the Problem of Follow-up to Abnormal Screening Tests (U01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications that strengthen the science of multilevel effects of cancer care interventions by addressing the problem of incomplete follow-up to abnormal screening tests for breast, colorectal, cervical and lung cancers. The goals of this FOA are two-fold. First, this FOA seeks to advance the science of multilevel interventions in three ways: a) by establishing a common conceptualization of levels and the associated level-specific factors that affect practice; b) by standardizing metrics of the levels and their main effects on other levels and the individuals needing follow-up care; and c) by developing and standardizing the analysis of the effect of interventions on the individuals, groups, and organizations responsible for intervention implementation. Second, this FOA encourages applications that test interventions to improve the follow-up of abnormal screening in one or more ways, including: a) measuring multilevel effects of single-level interventions; b) comparing single vs. multilevel interventions; and c) testing multilevel interventions. Deadline is September 21, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272448>

**Role of Exosomes in HIV Pathogenesis (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications that explore new research on the potential role of exosomes in cell-to-cell communication relevant to the impact of exosomes on HIV transmission, innate or adaptive immune responses to HIV, or HIV pathogenesis. This FOA solicits early-stage, exploratory projects with little to no preliminary data. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272428>

**Centers for Disease Control and Prevention Centers for Disease Control and Prevention Evaluating Structural, Economic, Environmental, or Policy Primary Prevention Strategies for Intimate Partner Violence and Sexual Violence Grant**

Intimate partner violence (IPV) includes physical violence, sexual violence, sexual violence, stalking and psychological aggression (including coercive tactics) by a current or former intimate partner (Breiding et al., in press). An intimate partner is a person with whom one has a close personal relationship that may be characterized by the partners' emotional connectedness, regular contact, ongoing physical contact and sexual behavior, identity as a couple, and familiarity and knowledge about each others' lives; however, the relationship need not involve all of these dimensions (Breiding et al., in press). Deadline is March 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272217>

**Health Resources and Services Administration State Offices of Rural Health Coordination and Development Program (SORHCDP) Grant**

This announcement solicits application for the State Offices of Rural Health Coordination and Development Program (SORHCDP). The purpose of the SORHCDP is to enhance the rural health infrastructure in each State by continuing to develop and provide leadership development and technical assistance activities to State Offices of Rural Health (SORHs) and their partners to better coordinate and improve rural health services. The goals of the SORHCDP are to help SORHs: · Assist in the coordination of rural health care through the education and development of State level rural health leadership; and · Facilitate partnerships and collaboration at the local, regional, State, and national levels to improve the exchange of information and best practices that support rural health. The cooperative agreement assists SORHs to increase their performance in key areas and become more efficient and effective. The cooperative agreement will involve an ongoing partnership with the Federal Office of Rural Health Policy (FORHP) staff in the final development and implementation of the submitted work plan. Deadline is May 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272231>

**Health Resources and Services Administration Maternal and Child Health Public Health Catalyst Program Grant**

This announcement solicits applications from accredited schools of public health for the Maternal and Child Health Public Health Catalyst Program (Catalyst Program). The purpose of the Catalyst Program is to: 1) provide an increased focus on fundamental MCH content and competencies within schools of public health where no concentration currently exists, and 2) provide MCH content exposure to an increased number of public health students, introducing students to careers in the maternal and child health field. The grantees will recruit graduate students who are from underrepresented backgrounds (including racial and ethnic minorities), who are also underrepresented in the maternal and child health field. Deadline is March 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272131>

**Institutional Training for a Dental, Oral and Craniofacial Research Workforce (T90/R90) Grant**

The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible, domestic institutions to enhance predoctoral and postdoctoral research training (T90) and postdoctoral research education (R90) to ensure that a diverse and highly qualified workforce is available to address the Nations basic and clinical biomedical and behavioral or social sciences research agenda. Research training programs will incorporate didactic, research, and career development components to prepare individuals for careers as independent scientists that will have a significant impact on the dental, oral, and craniofacial health-related research needs of the Nation. Deadline is September 25, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272070>

**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental, Oral and Craniofacial Research Workforce (T32) Grant**

The National Institute of Dental and Craniofacial Research (NIDCR) will award Ruth L. Kirschstein National Research Service Award (NRSA) T32 Institutional Training grants to eligible, domestic institutions to enhance predoctoral and postdoctoral research training to ensure that a diverse and highly qualified workforce is available to address the Nations basic and clinical biomedical and behavioral or social sciences research agenda. Research training programs will incorporate didactic, research, and career development components to prepare

individuals for careers as independent scientists that will have a significant impact on the dental, oral, and craniofacial health-related research needs of the Nation. Deadline is September 25, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272071>

**Maternal Nutrition and Pre-pregnancy Obesity: Effects on Mothers, Infants and Children (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications to improve health outcomes for women, infants and children, by stimulating interdisciplinary research focused on maternal nutrition and pre-pregnancy obesity. Maternal health significantly impacts not only the mother but also the intrauterine environment, and subsequently fetal development and the health of the newborn. Deadline is May 7, 2018.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272088>

**Maximizing Investigators' Research Award (R35) Grant**

The Maximizing Investigators' Research Award (MIRA) is a grant to provide support for all of the research in an investigator's laboratory that falls within the mission of NIGMS. The goal of MIRA is to increase the efficiency and efficacy of NIGMS funding. It is anticipated that the new program will: Increase the stability of funding for NIGMS-supported investigators, which could enhance their ability to take on ambitious scientific projects and approach problems more creatively. Increase flexibility for investigators to follow important new research directions as opportunities arise, rather than being bound to specific aims proposed in advance of the studies. More widely distribute funding among the nation's highly talented and promising investigators to increase overall scientific productivity and the chances for important breakthroughs. Reduce the time spent by researchers writing and reviewing grant applications, allowing them to spend more time conducting research. Enable principal investigators to devote more time and energy to mentoring junior scientists in a more stable research environment. The purpose of this FOA is to test the feasibility of this grant mechanism through a pilot program with restricted eligibility. Deadline is May 20, 2018.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272108>

**Exploratory Technologies to Understand the Control of Organ Function by the Peripheral Nervous System for SPARC (U18) Grant**

This NIH Funding Opportunity Announcement (FOA), supported by funds from the NIH Common Fund (Common Fund) and managed by the Office of the Director and participating NIH Institute(s) and Center(s) of the Stimulating Peripheral Activity to Relieve Conditions (SPARC) program, solicits U18 Research Demonstration Cooperative Agreement applications to develop new and/or enhance existing tools and technologies tailored to elucidate the neurobiology and neurophysiology underlying autonomic control of internal organs in health or disease, which will ultimately inform next generation neuromodulation therapies. These awards will establish feasibility for further technology development in any future SPARC initiatives. Additionally, the technologies developed through these awards are expected to lay the groundwork for more systematic facilitation of biological mapping activities in any future SPARC initiatives. Deadline is April 4, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272109>

**NIAMS Musculoskeletal Biology and Medicine Resource-based Centers (P30) Grant**

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) requests applications for the NIAMS Resource-based Centers Program (P30) for research areas within its mission in musculoskeletal biology and medicine. The Resource-based Centers will provide critical research infrastructure, shared facilities, services, and/or resources to groups of investigators conducting research on musculoskeletal biology and medicine, enabling them to conduct their independently-funded individual and/or collaborative research projects more efficiently and/or more effectively, with the broad overall goal of accelerating, enriching, and enhancing the effectiveness of ongoing basic, translational, and clinical research and promoting new research within the NIAMS mission. Deadline is June 11, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272128>

**Systems Biology and Antibacterial Resistance (U01) Grant**

This Funding Opportunity Announcement (FOA) solicits applications that use a multi-disciplinary systems biology approach to study the molecular interaction networks of the pathogen and the host in association with antibacterial resistance or in response to treatment of antibacterial resistant infections. The applications focus must be on bacterial pathogens with established antibacterial resistance. This FOA will not support applications focused on drug-resistant tuberculosis. Deadline is July 9, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272130>

**Health Resources and Services Administration Centers of Excellence in Maternal and Child Health in Education, Science and Practice Grant**

This announcement solicits applications for Centers of Excellence in MCH. The purpose of the Centers of Excellence in MCH program is for the training of graduate and post-graduate public health professionals in an interdisciplinary MCH setting. The Centers of Excellence in MCH program supports MCHB's mission to provide national leadership and to work, in partnership with states, communities, public-private partners, and families to

strengthen the MCH infrastructure, and build the knowledge and human resources in order to assure continued improvement in the health, safety, and well-being of the MCH population, which includes all U.S. women, infants, children, youth and their families, including fathers and children with special health care needs (CSHCN). The MCH Academic Postdoctoral Enhancement seeks to address the current challenges experienced by early career MCH doctoral graduates in successfully pursuing academic career pathways. The intent is to ensure a continuum of training and support that promotes the long-term sustainability of the field of MCH in academia, research and practice. Deadline is March 18, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=272134>

#### **Medical Rehabilitation Research Resource (P2C) Grant**

This Funding Opportunity Announcement (FOA) invites grant applications from institutions/organizations that propose to build research infrastructure to promote external collaboration with the medical rehabilitation community. The aim of this FOA is to create a national network of research cores that provide access to collateral expertise in biomedical, behavioral, engineering, and/or psychosocial fields that is particularly relevant to medical rehabilitation research. We are particularly interested in supporting infrastructure programs in clinical trial design, engineering and the environment, individualized medical rehabilitation and dynamic reassessment, and applied behavioral supports for rehabilitation research and healthy outcomes. However, other areas of expertise may be proposed provided they offer unique research opportunities and have potential for promoting medical rehabilitation research and improving outcomes for people with disabilities. In response to this FOA, applicants should propose a program of research resources and collaborative opportunities in a specific research domain. Deadline is March 25, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271930>

#### **Reductions in Illicit Drug Use and Functional Outcomes (R21/R33) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications for Phased Innovation (R21/R33) projects to determine whether reductions in illicit drug use are associated with positive changes in health-related and other functional outcomes in individuals with substance use disorders (SUDs). Functional outcomes include, for example, reductions in morbidity, mortality, criminal justice involvement, overall healthcare expenditures. This FOA provides support for up to two years (R21 phase) for research planning activities and feasibility studies, followed by possible transition to expanded research support (R33 phase). The transition to the R33 phase will be determined by NIH program evaluation of successful achievement of the milestones set for the R21 phase. The ultimate goal of this FOA is to provide evidence that will enable regulatory authorities to accept reductions in illicit drug use as a valid outcome measure in clinical trials of pharmacotherapies for the treatment of SUDs. Deadline is September 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271929>

#### **Population Dynamics Centers Research Infrastructure FY 2015 (P2C) Grant**

The goal of this funding opportunity announcement (FOA) is to advance the field of population dynamics research by increasing research productivity, develop junior scientists, and maximize the efficiency of research support.

The primary objectives of this initiative are to:

- Increase the scientific impact, innovation, productivity of population dynamics research;
- Increase competitiveness for peer-reviewed external funding in population dynamics research;
- Support career development experiences for junior population dynamics scientists that will contribute to their research independence; and
- Maximize the efficiency of funding for population dynamics research by minimizing the financial and time burdens of providing administrative and other research support services associated with research projects.

A secondary objective is to:

- Support the broad dissemination of data, methods, and materials in the field of population dynamics research.

Deadline is March 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271888>

#### **Natural Experiments of the Impact of Population-targeted Health Policies to Prevent Diabetes and its Grant**

Purpose. Component A: To fund rigorous natural experiments of impact of population-targeted health policies and large scale interventions on risk and complications of diabetes, and reducing disparities in these risks and complications. Specific goals of the research program are to: 1) Test the health impact of naturally occurring health policies and interventions, including public health policies, clinical-community partnerships, and health system-wide strategies; and 2) Improve the methods and research infrastructure for natural experiments in public health. Findings could be used to inform the prioritization of policies and interventions for policy-makers, health plan directors, and community leaders. Component B: To fund a Central Coordinating Center (CCC) to provide

organizational, logistic and communication support to enhance the efficiency, productivity, and impact of the Natural Experiments research centers that are funded as part of Component A. Deadline is March 24, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271828>

**Prevention Research in Mid-Life Adults (R21) Grant**

This Funding Opportunity Announcement (FOA) seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and wellness as individuals age, and prevent illness and disability in later years. The goal of this funding opportunity announcement (FOA) is to 1) Identify the unique characteristics of mid-life adults that impact health and wellness and contribute to the prevention of disease and disability; 2) Identify characteristics, influences, and indicators that are important for optimal health in mid-life adults; and 3) Develop strategies that promote health and wellness and prevent illness in this population.

Deadline is May 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271811>

**Prevention Research in Mid-Life Adults (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271814>

**FY15 Announcement of Availability of Funds for Embryo Donation and/or Adoption Grant Projects Grant**

The increasing success of assisted reproductive technologies (ART) has enabled some infertile couples to create embryos through in-vitro fertilization (IVF) that are then cryopreserved (frozen) for future use. If a couple becomes pregnant without using all of the stored embryos, they may choose to donate the remaining embryos for use by other infertile couples. Embryo donation is a relatively new process in which individuals with extra frozen embryos agree to release the embryos for use by another woman who wishes to achieve pregnancy. The recipient can be either anonymous or known to the donor(s). This notice solicits applications for projects in two categories: (1) Projects that increase public awareness of embryo donation and/or adoption; and (2) Projects that offer services, including counseling, to couples that are currently involved, or soon may be involved, in the process of embryo donation and/or adoption. Applicants may also propose a project that addresses both the public awareness aspect of the program and the "services" aspect in a single grant. Public Awareness: This aspect of the program comprises traditional media and advertising modalities, "new media" efforts (such as blogging) as well as generalized education in the basic principles of embryo donation/adoption that can be offered to large audiences. Applicants should make reasonable efforts to ensure that the individuals who design and implement the public awareness projects are knowledgeable in all facets of the embryo donation and/or adoption process and are experienced in providing such information. Applicants are encouraged to incorporate, to the extent possible, the concepts of Reproductive Life Planning in their public awareness messaging. Reproductive Life Planning (RLP) is a process by which an individual 1) establishes goals about the number and spacing of children that she or he wants; and, 2) marshals resources (including physical health and time) in an effort to meet those goals. Deadline is April 21, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271793>

**Assay Validation For High Quality Markers For NCI-Supported Clinical Trials (UH2/UH3) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to improve the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. This FOA includes, but is not limited to, the validation of prognostic, predictive or response markers for treatment and markers for cancer control or prevention trials. Applicants should have an assay that works in human samples and whose importance is well justified for development into a clinical assay. The UH2 phase of this FOA supports analytical validation of assays for these markers that must be achieved within two years before an assay may undergo clinical validation. The UH3 phase of this FOA supports the clinical validation of established assays for up to three years using specimens from retrospective or prospective studies from NCI-supported or other clinical trials. In both the UH2 and UH3 phases, clinical laboratory staff, technical and other needs must be an integral part of the application. Assays proposed for this FOA may be used to validate existing assays for use in other cancer clinical trials, observational studies or populations. Deadline is October 6, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271789>

**Assay Validation For High Quality Markers For NCI-Supported Clinical Trials (UH3) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271791>

**Metabolomics Core for the Undiagnosed Diseases Network (UDN) (U01) Grant**

This Funding Opportunity Announcement (FOA) is to establish a Metabolomics Core to augment clinical and laboratory findings of the Undiagnosed Diseases Network (UDN) and to assist the Network in the diagnosis of patients with undiagnosed diseases. Responsive applications will describe a plan to provide comprehensive analytical methods, analyses, technologies, and metabolomics expertise to the UDN to aid in clinical diagnosis and investigate potential mechanisms underlying phenotypic changes in patients. Due to the rare, even unique, disorders of UDN patients, the application should describe the need to develop specialized, "boutique" assays and methods of measurement in analyses of both normal and abnormal compounds of the diseased metabolome. Deadline is May 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271728>

### **Maternal and Child Health (MCH) Interdisciplinary Education in Pediatric Pulmonary Centers (PPCs) Grant**

The purpose of the PPC program is to improve the health status of infants, children, and youth with chronic respiratory conditions. PPCs achieve this objective by addressing four (4) aims: 1) Providing interdisciplinary leadership training at the graduate and post-graduate levels in five (5) core disciplines of pediatric pulmonary medicine, nursing, social work, nutrition, and family leadership. PPCs serve as models of excellence in interdisciplinary training, systems integration, and research related to chronic respiratory conditions in infants, children, and youth; 2) Engaging with families as full partners to support family-centered practice, policies, and research; 3) Impacting policies and practices at the regional and national levels, including working with state and local health agencies and providers through a public health/population-based approach. PPCs provide a critical link in assuring that the next generation of health care providers contribute to MCHB's mission to assure access to care for Children and Youth with Special Health Care Needs (CYSHCNs) through systems improvement; and 4) Supporting diverse trainees and faculty, and cultural and linguistic competence approaches, to address health disparities related to chronic respiratory conditions. Deadline is March 23, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271719>

### **NIDA Translational Avant-Garde Award for Development of Medication to Treat Substance Use Disorders (UH2/UH3) Grant**

The purpose of this award is to support outstanding basic and/or clinical researchers with the vision and expertise to translate research discoveries into medications for the treatment of Substance Use Disorders (SUDs) stemming from tobacco, cannabis, cocaine, methamphetamine, heroin, or prescription opiate use. Eligible applicants must demonstrate the ability to develop molecules with the potential to treat SUDs and advance them in the drug development continuum. The ultimate goal of this FOA is to bring molecules closer to FDA approval. The UH2/UH3 Phase Innovation Awards Cooperative Agreement involves 2 phases. The UH2 is to support a project with specific milestones to be accomplished at the end of the 2-year period. The UH3 is to provide funding for 3 years to a project that successfully completed the milestones set in the UH2. UH2 projects that have met their milestones will be administratively considered by NIDA and prioritized for transition to the UH3 phase. Investigators responding to this FOA must address both UH2 and UH3 phases. Through this FOA, NIDA seeks to attract exceptionally talented investigators to the mission of expanding the number and breadth of lead molecules in the pipeline for drug addiction treatment, optimizing these leads, and/or advancing them to clinical testing. Deadline is April 15, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271611>

### **Cooperative Agreement for Networking, Certifying, and Training Suicide Prevention Hotlines and Disaster Distress Helpline Grant**

The Substance Abuse and Mental Health Services Administration, Center for Mental Health Services is accepting applications for fiscal year (FY) 2015 for a Cooperative Agreement for Networking, Certifying, and Training Suicide Prevention Hotlines and a National Disaster Distress Helpline (DDH). The purpose of this program is twofold. First, to manage, enhance, and strengthen the National Suicide Prevention Lifeline (referred to as the Lifeline), SAMHSA's system of toll-free telephone numbers, primarily 1-800-273-TALK (8255) that routes calls from anywhere in the United States to a network of certified local crisis centers that can intervene with, support, and link callers to local emergency, mental health, and social service resources. The technology permits calls to be directed immediately to a suicide prevention worker who is geographically closest to the caller. Second, this cooperative agreement supports the National Disaster Distress Helpline, through the number 1-800-985-5990 and text number TalkWithUs to 66746 to increase state and local capacity to connect affected residents with needed behavioral health services such as crisis counseling and referral services after a disaster and/or traumatic event. Deadline is March 18, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271608>

### **Stillbirth Risk Factor Pilot Project Centers for Birth Defects Research and Prevention (CBDRPs) Grant**

The overall purpose of FOA #DD13-003(BD-STEPS) is to identify modifiable maternal exposures in early pregnancy that may increase the risk for having a pregnancy affected by certain major, structural birth defects. The purpose of this supplemental FOA is to expand the use of the infrastructure of the Centers for Birth Defects Research and Prevention (CBDRPs) birth defects research program to pilot the identification of modifiable exposures that may increase the risk of stillbirths with and without major birth defects. Key objectives include: 1) conducting a pilot study of stillbirths without major birth defects within the CBDRPs, and 2) analyzing previously collected data from CBDRP on stillbirths with major birth defects. CDC's mission is "to promote health and quality of life by preventing and controlling disease, injury, and disability." This program is most closely aligned with CDC's Health Protection Goal of "Healthy People in Every Stage of Life." Quantifiable and measurable outcomes will be measured against the GPRA performance goal to find causes and risk factors for birth defects in order to develop prevention strategies. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271596>

### **NIAMS Rheumatic Diseases Research Resource-based Centers (P30) Grant**

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) requests applications for the NIAMS Resource-based Centers Program (P30) for rheumatic diseases research areas within its mission. The

Resource-based Centers will provide critical research infrastructure, shared facilities, services, and/or resources to groups of investigators conducting research on rheumatic diseases, enabling them to conduct their independently-funded individual and/or collaborative research projects more efficiently and/or more effectively, with the broad overall goal of accelerating, enriching, and enhancing the effectiveness of ongoing basic, translational, and clinical research and promoting new research within the NIAMS mission. Deadline is October 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271595>

#### **Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications from investigators interested in conducting basic research studies into the biological/genetic causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies designed to investigate biological/genetic bases of cancer disparities, such as (1) mechanistic studies of biological factors associated with cancer disparities, (2) the development and testing of new methodologies and models, and (3) secondary data analyses. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can expand available resources and tools, such as biospecimens, cell lines and methods that are necessary to conduct basic research in cancer health disparities. In addition, the FOA will further the development of scientific areas, providing support for early-stage exploratory projects that lead to future in-depth mechanistic studies (such as R01 projects) of the biology of cancer health disparities. Deadline is November 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271591>

#### **Basic Cancer Research in Cancer Health Disparities (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271593>

#### **Analyze and Evaluate Potential Risk Factors for Amyotrophic Lateral Sclerosis (ALS) Grant**

The purpose of this funding opportunity announcement (FOA) is to allow for investigator-initiated research that will further the understanding of potential risk factors for amyotrophic lateral sclerosis (ALS), while supporting the goals of the National ALS Registry. Deadline is March 23, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271457>

#### **Grants to Enhance Food Safety: National Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program (U18) Grant**

The National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Program will award grants that increase the understanding and adoption of established food safety standards, guidance, and protocols. Grants awarded through this program will be carried out in a manner that facilitates the integration of food safety standards and guidance with a variety of agricultural production systems, including conventional, sustainable, organic, and conservation and environmental practices carried out by the eligible entities. The assistance provided by these programs, to the extent practicable, shall be coordinated with and delivered in cooperation with similar services or assistance by other federal agencies or programs serving those eligible entities. The U.S. Food and Drug Administration (FDA) and the U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA) have joined in a collaborative partnership to administer and manage the National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Program. This program is designed to develop a comprehensive food safety training, education and technical assistance program for those affected by the FDA Food Safety Modernization Act (FSMA). Deadline is March 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271376>

#### **Shared Instrumentation Grant (SIG) Program (S10) Grant**

The purpose of this funding opportunity is to continue the Shared Instrumentation Grant (SIG) Program administered by ORIP. The objective of the Program is to make available to institutions expensive research instruments that can only be justified on a shared-use basis and that are needed for NIH-supported projects in basic, translational or clinical areas of biomedical/behavioral research. The SIG Program provides funds to purchase or upgrade a single item of expensive, specialized, commercially available instrument or an integrated instrumentation system. An integrated instrumentation system is one in which the components, when used in conjunction with one another, perform a function that no single component could provide. The components must be dedicated to the system and not used independently. Deadline is May 29, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271372>

#### **Prevention Reducing the burden of neglected parasitic infections (NPIs) in the United States through evidence-based prevention and control activities Grant**

The purpose of this FOA is to reduce the overall burden of neglected parasitic infections (NPIs) in the United States through evidence-based prevention and control activities including the development of new strategies, educational tools and materials, and guidelines. NPIs are a group of five parasitic diseases that have been targeted by the CDC as priorities for public health action based on the number of people infected, severity of the illnesses, and the ability to prevent and treat them. They are: Chagas disease, neurocysticercosis, toxocariasis,



toxoplasmosis, and trichomoniasis. These educational tools and materials and guidelines developed will be used to improve NPI related preventive health knowledge and practices, improve recognition of signs and symptoms of NPIs, increase availability of best approaches and recommendations, improve availability of education training tools and materials, enhance capacity for public education on NPIs, and enhance capacity in the identification of NPIs. Successful strategies should have the potential to yield high impact public health outcomes, reach a high proportion of those at risk, and have the highest potential for significant impact on population health. Deadline is March 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271371>

#### **NIH Big Data to Knowledge (BD2K) Enhancing Diversity in Biomedical Data Science (R25) Grant**

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this Big Data to Knowledge (BD2K) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral, and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on research experiences and curriculum development. Deadline is March 19, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271370>

#### **Novel Assays to Address Translational Gaps in Treatment Development (UH2/UH3) Grant**

Ultimately, the goal of this FOA is to improve the efficiency of the therapeutic development process by addressing inconsistencies between the preclinical screening pipeline and clinical evaluation of new treatment candidates and thereby hasten the development of more effective treatments for mental disorders. The objectives of the FOA will be accomplished by supporting partnerships among basic and translational neuroscientists who are committed to advancing the discovery of physiological measures as tools for target validation and therapeutic development. Groups will be tasked with building a target-engagement-linked-to-functional-brain-effect suite of assays with potential to translate from animals to humans and thus serve as a basis for selecting preclinical treatment candidates for further development and clinical testing. Towards this goal, the FOA will support development, optimization and evaluation of brain based assays in both preclinical species and in healthy humans and the evaluation of assay performance in response to carefully selected chemical, physiological, or behavioral manipulations. Deadline is April 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271352>

#### **Integration of Infectious Diseases and Substance Abuse Intervention Services for Individuals Living with HIV (R01) Grant**

The goal of this FOA is to develop and test organizational and systems level interventions to determine how best to provide comprehensive, high quality, integrated, sustainable, cost-effective interventions to improve the health outcomes of PLWH with substance use disorders and other comorbid conditions. This FOA will support: 1) multidisciplinary research to enhance the adoption and integration of evidence-based screening and treatment of substance abuse in HIV centers and closely related medical settings; and 2) multidisciplinary research to increase the adoption and integration of HIV testing and linkage to HIV care in addiction treatment settings. In both HIV and addiction treatment settings, research to enhance the adoption and integration of treatment services for comorbid conditions (e.g. coinfections, psychiatric disorders) is encouraged. Deadline is April 14, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271171>

#### **Science of Behavior Change: Assay Development and Validation for Interpersonal and Social Processes Targets (UH2/UH3) Grant**

All Common Fund initiatives invite investigators to develop bold, innovative, and often risky approaches to address problems that may seem intractable or to seize new opportunities that offer the potential for rapid progress. This Phased Innovation Awards Cooperative Agreement Funding Opportunity Announcement (FOA) solicits applications to support a collaborative research infrastructure involving an interdisciplinary team of basic and clinical scientists to develop the foundation for an experimental medicine approach to behavior change. Research supported by this FOA is meant to support activities focused on behavior change targets in the domain of interpersonal and social processes through four main target validation steps: 1. Identify a set of putative targets within the interpersonal and social processes domain that are implicated in medical regimen adherence and at least one other health behavior; 2. Leverage existing or develop new experimental or intervention approaches to engage identified targets; 3. Identify or develop appropriate assays (measures) to permit verification of target engagement; 4. Test the degree to which engaging identified targets produces a desired change in medical regimen adherence and at least one other health behavior. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271191>

#### **Science of Behavior Change: Assay Development and Validation for Self-Regulation Targets (UH2/UH3) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271194>

#### **Science of Behavior Change: Assay Development and Validation for Stress Reactivity and Stress Resilience Targets (UH2/UH3) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271196>

### **Pharmacogenomics of Orofacial Pain Management (R01) Grant**

The goal of this funding opportunity announcement (FOA) is to encourage research on the genetic basis of variability in therapeutic drug responses and adverse events in individuals with painful conditions of the dental, and orofacial region. The objectives are to determine the role of genetic variability in pharmacokinetics, pharmacodynamics, and drug toxicities that contribute to and predict the clinical outcomes of analgesic treatment of individuals with acute and chronic pain conditions. Delineation of genetic variation in drug and neurotransmitter metabolizing enzymes and transporters, drug target molecules such as enzymes and receptors, and associated post-receptor intracellular signaling pathway molecules is an important outcome of this FOA. Identification of key molecular signatures that are predictive of a therapeutic response is a second objective. Clinical and basic science researchers are encouraged to form multidisciplinary teams to effectively address the goals of this FOA. The ability to categorize individuals who differ in their responses to analgesic therapy will aid health care providers in their ability to prescribe the best treatments for acute and chronic pain patients with a personalized/precision approach. Although this FOA is focused on orofacial pain, it also may serve as a catalyst for the pain research community to explore new pharmacogenomics studies in chronic pain conditions that overlap with temporomandibular joint disorder. Deadline is June, 24, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271190>

### **NIH Science of Behavior Change Resource and Coordinating Center (U24) Grant**

All Common Fund initiatives invite investigators to develop bold, innovative, and often risky approaches to address problems that may seem intractable or to seize new opportunities that offer the potential for rapid progress. This U24 Cooperative Agreement Funding Opportunity Announcement (FOA) will support the NIH Science of Behavior Change (SOBC) Resource and Coordinating Center (RCC), which will coordinate the activities of between five and nine UH2/UH3 Target Validation Projects. The initial UH2/UH3 awards will be made in response to three companion FOAs (RFA-RM-14-018, RFA-RM-14-019, RFA-RM-14-020) that will focus on identifying and validating targets in the three specific behavioral domains of self-regulation, stress reactivity and stress resilience, and interpersonal and social processes. The overall goal of the SOBC Program is to transform behavioral intervention designs by implementing the experimental medicine approach to behavior change research. The overall goal of the RCC will be to provide national leadership for the coordinated efforts of projects and initiatives of SOBC to validate assays for behavior change, with five specific objectives described in this FOA. The RCC will also serve as the central resource for the organization of the meetings and other activities of the SOBC program, including the support of its Steering Committee and External Scientific Panel, and any SOBC steering committee subcommittees that are established. Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271189>

### **Advanced Development and Validation of Emerging Molecular Analysis Technologies for Cancer Research (R33) Grant**

This Funding Opportunity Announcement (FOA) solicits grant applications proposing research projects on the advanced development of emerging molecular and cellular analysis technologies and validation in an appropriate cancer-relevant biological system. An emerging technology is defined as one that has passed the pilot developmental stage and shows promise, but has not yet been significantly evaluated within the context of its intended use. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, early detection and screening, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R33 applications where proof-of-principle of the proposed technology or methodology has been established and supportive preliminary data are available. Projects proposed to this FOA should reflect the potential to produce a molecular analysis technology with a major impact in cancer-relevant research. Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued are not appropriate for this FOA and will not be reviewed. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program. Deadline is September 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271185>

### **Advanced Development and Validation of Emerging Technologies for Cancer-Relevant Biospecimen Science (R33) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271186>

### **Innovative Molecular Analysis Technologies for Cancer Research (R21) Grant**

This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research focused on the inception and early-stage development of highly innovative molecular or cellular analysis technologies for basic and clinical cancer research. The emphasis of this FOA is on supporting the development of novel molecular and cellular analysis capabilities with a high degree of technical innovation with the potential to significantly affect and transform investigations exploring the molecular and cellular basis of cancer. If successful, these technologies should accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, epidemiology, and/or cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be based on molecular and/or cellular characterizations of cancer. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program. Deadline is September 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271183>

### **Innovative Technologies for Cancer-Relevant Biospecimen Science (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271184>

### **Seek, Test, Treat and Retain For Youth and Young Adults Living with or at High Risk for Acquiring HIV (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to examine delivery models of HIV-focused services (testing, linkage, engagement and retention in care) for high risk or already HIV+ infected youth and young adults. Applications should incorporate substance use into study aims and service delivery objectives should address access to substance use prevention, screening, and treatment. Applications examining interventions that focus only on individual-level behavior and outcomes will be considered non-responsive, given the systemic and structural determinants of serostatus screening, treatment retention and viral suppression, which are the most striking areas of deficit among youth in the Seek, Test, Treat, and Retain continuum of care. The developmental, structural, and systemic factors related to serving youth need to be clearly incorporated into study aims, rather than simple incremental refocusing of existing interventions to younger people. Deadline is April 14, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271180>

### **NIH Pathway to Independence Award (Parent K99/R00) Grant**

The objective of the NIH Pathway to Independence Award (K99/R00) is to help outstanding postdoctoral researchers complete needed, mentored training and transition in a timely manner to independent, tenure-track or equivalent faculty positions. The K99/R00 award is intended to foster the development of a creative, independent research program that will be competitive for subsequent independent funding and that will help advance the mission of the NIH. Applicants must have no more than 4 years of postdoctoral research experience at the time of the initial or the subsequent resubmission or revision application. The K99/R00 award is intended for individuals who require at least 12 months of mentored research training and career development (K99 phase) before transitioning to the R00 award phase of the program. Consequently, the strongest applicants will require, and will propose, a well-conceived plan for 1–2 years of substantive mentored research training and career development that will help them become competitive candidates for tenure-track faculty positions and prepare them to launch robust, independent research programs. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271177>

### **NIA Academic Leadership Career Award (K07) Grant**

The objective of the NIA Research Leadership Career Award (K07) is to provide support for more senior investigators who have the expertise and leadership skills to improve the curricula and enhance the aging-related research capacity within their academic institution to leverage recent advances in basic, clinical and behavioral research in aging in order to advance scientific momentum in the field. The Leadership candidate must have acknowledged scientific expertise and leadership skills and sufficient clinical training, research, or teaching experience in the academic area of interest to an NIH awarding component to implement a program of curriculum development within the sponsoring institution. The investigator is expected to build on existing infrastructure including the development or enhancement of existing curricula in an area or subfield of research on aging at their institution and provide leadership in the establishment of an emerging scientific discipline in aging and geriatrics, drawing on the strengths of his/her institution, its faculty and resources. Funding may be used to support a particular institution or to build a research area through networked investigators or institutions. Deadline is May 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271176>

### **Cutting-Edge Basic Research Awards (CEBRA) (R21) Grant**

The National Institute on Drug Abuse (NIDA) Cutting-Edge Basic Research Award (CEBRA) is designed to foster highly innovative or conceptually creative research related to drug abuse and addiction and how to prevent and treat them. It supports research that is high-risk and potentially high-impact that is underrepresented or not included in NIDA's current portfolio. The proposed research should: (1) test a highly novel and significant hypothesis for which there are scant precedent or preliminary data and which, if confirmed, would have a substantial impact on current thinking; and/or (2) develop or adapt innovative techniques or methods for addiction research, or that have promising future applicability to drug abuse research. Deadline is December 20, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271174>

### **Predictive Multiscale Models for Biomedical, Biological, Behavioral, Environmental and Clinical Research (U01) Grant**

The goal of this interagency funding opportunity announcement (FOA) is to support the development of multiscale models to accelerate biological, biomedical, behavioral, environmental and clinical research. The NIH, ARO, DOE, FDA, NASA, NSF, and ONR recognize that in order to efficiently and effectively address the challenges of understanding multiscale biological and behavioral systems, researchers will need predictive, computational models that encompass multiple biological and behavioral scales. This FOA supports the development of non-standard modeling methods and experimental approaches to facilitate multiscale modeling, and active

participation in community-driven activities through the Multiscale Modeling (MSM) Consortium, [www.imagwiki.org](http://www.imagwiki.org). Deadline is September 29, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271172>

#### **Effects of In Utero Alcohol Exposure on Adult Health and Disease (R21) Grant**

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is intended to support novel research on how prenatal alcohol exposure may contribute to the etiology of chronic diseases and health conditions later in life. Central to this theme is the developmental origins of health and disease (DOHaD) concept which suggests that fetal adaptations in response to adverse intrauterine conditions may increase the risk for childhood and adulthood disease. The goal of this FOA is to stimulate a broad range of research to: 1) leverage existing prospective birth cohorts to define the role of maternal alcohol consumption in the DOHaD process; 2) investigate the biological, cellular, and molecular mechanisms by which prenatal alcohol exposure may impact disease outcomes later in life; and 3) identify biomarkers associated with gestational alcohol exposure that may predict adult disease susceptibility in exposed offspring. Studies supported by this FOA will provide fundamental insights into a possible fetal-basis to adult disease that is influenced by maternal alcohol use. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202855>

#### **Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts (U01) Grant**

The Funding Opportunity Announcement (FOA) invites grant applications for targeted infrastructure support of the core functions of Cancer Epidemiology Cohorts (CECs) and methodological research. Through this FOA, the National Cancer Institute (NCI) will support infrastructure and core functions for existing or new CECs. This FOA will also lead to support of core functions for CECs currently funded through other grant mechanisms by the Epidemiology and Genomics Research Program (EGRP) and other components of the Division of Cancer Control and Population Sciences (DCCPS) at the NCI. Deadline is March 10, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252733>

#### **Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information from Clinical Trials, Epidemiological Studies, and Databases (R01) Grant**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) encourage investigator-initiated research project applications for ancillary studies to ongoing or completed clinical trials, existing administrative and clinical databases and epidemiological studies of kidney disease as well as clinical trials and epidemiological studies for other diseases or populations that lend themselves to the study of acute kidney injury and chronic kidney disease. These studies may range from new analyses of existing datasets of completed studies to additional collection of data and biological specimens in ongoing investigations. The goal of these studies should be to extend our understanding of the risk factors for developing kidney disease and their associated co-morbid illnesses such as malnutrition and cardiovascular disease, factors associated with rapid decline in kidney function among persons with chronic kidney disease, and the impact of these diseases on quality of life and mental and physical functioning. Investigations of acute kidney injury, including biomarkers are also an appropriate topic for investigation. Studies ancillary to both government and non-government supported clinical trials and epidemiological studies are encouraged. Analysis of large public access databases and other databases is also encouraged. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202813>

#### **Biomedical Data Science Training Coordination Center (U24) Grant**

The purpose of this FOA is to solicit applications for a coordination center that will narrow the gap between the availability of biomedical big data and the ability of biomedical scientists to effectively utilize such data accurately, effectively, and efficiently. Achieving this goal requires: (1) bringing together individuals involved in training and career development programs to network and share experiences; and (2) engaging individuals developing open educational resources in meaningful dialogue to ensure that the resources they develop will be freely available and easy to access by the broader biomedical community. By the end of the award period, the Training Coordination Center (TCC) will be expected to have: (1) developed a network of scientists involved in biomedical big data science and (2) produced a discovery index that serves as a primary source for personalized access to publicly available biomedical data science educational resources. Deadline is March 17, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270671>

#### **BRAIN Initiative: Short Courses in Computational Neuroscience (R25) Grant**

The over-arching goal of this Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. This FOA will support short courses to facilitate the development of a sophisticated cadre of investigators with the requisite knowledge and skills in computational neuroscience perspectives and techniques for analyzing and interpreting complex, high-dimensional neuroscience data to advance the BRAIN Initiative. For the purposes of

this FOA, computational neuroscience encompasses theoretical neuroscience, computational and mathematical modeling of neural systems, and/or statistical perspectives and techniques. Deadline is March 18, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270667>

**BRAIN Initiative: Short Courses in Research Tools and Methods (R25) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270668>

**Environmental Health Sciences Core Centers (EHS CC) (P30) Grant**

This Funding Opportunity Announcement (FOA) invites grant applications from qualified institutions to support Environmental Health Sciences Core Centers (EHS CC). A Core Center Grant is an institutional award to support centralized scientific resources and facilities shared by investigators with existing research projects. By providing intellectual leadership, advanced technologies/ methodologies, and supporting community engagement, a core center is intended to enhance the ability of scientists working in the field of environmental health sciences to identify and capitalize on emerging issues that will translate into advances improving the understanding of the relationships among environmental exposures, human biology, and disease. Deadline is April 22, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270798>

**NIAMS Skin Biology and Diseases Resource-based Centers (P30) Grant**

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) requests applications for the NIAMS Resource-based Centers Program (P30) for skin biology and diseases research areas within its mission. The Resource-based Centers will provide critical research infrastructure, shared facilities, services, and/or resources to groups of investigators conducting research on skin biology and diseases, enabling them to conduct their independently-funded individual and/or collaborative research projects more efficiently and/or more effectively, with the broad overall goal of accelerating, enriching, and enhancing the effectiveness of ongoing basic, translational, and clinical research and promoting new research within the NIAMS mission. Deadline is June 11, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270551>

**Limited Competition: Addressing Health Disparities in Maternal and Child Health through Community-Based Participatory Research (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages Small Research Project Grant (R03) applications to support community-based participatory research (CBPR) projects planned and developed by recipients of the Phase I Academic-Community Partnerships Conference Series awards under PAR-09-092 and PAR-12-102. Only one CBPR project will be supported per Phase 1 grant award. The areas of research emphasis include: preterm birth; infant mortality; sudden infant death syndrome (SIDS); maternal mortality; reproductive health; uterine fibroid tumors; childhood, adolescent, and/or adult obesity; violence prevention; perinatal HBV and HIV/AIDS prevention; HIV/AIDS prevention; asthma; intellectual and developmental disabilities; pediatric injury prevention; and medical rehabilitation. Support will be provided for formative research; pilot or feasibility studies; development, adaptation and/or testing of methodologies; and development and/or testing of technology for the purpose of reducing maternal and child health disparities through the use of CBPR. Deadline is November 21, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270451>

**Centers for Mendelian Genomics (UM1) Grant**

This FOA invites applications for the Centers for Mendelian Genomics Program (CMG Program). With this reissuance, NHGRI intends to achieve the following specific objectives. First, the Program will aim to discover as many genes that bear causal genetic variants ("causal genes") for human Mendelian diseases and non-disease Mendelian traits ("Mendelian conditions") as possible, using genome-wide sequencing and other complementary genomic approaches at the funded centers, and through collaborations with clinical and genetic researchers worldwide. Second, the Program will aim to enhance the chances of success in causal gene discoveries by improving sample solicitation strategies, discovery approaches, study designs, data analysis methods, and costs and efficiency of the discovery pipelines. Third, the Program will aim to enable others to discover more causal genes by disseminating the methods, tools, and other resources that will be developed under this FOA. Finally, the Program will facilitate common interests-based collaborations and avoid unproductive duplication of efforts on causal gene discoveries, through worldwide coordination. At a higher level, NHGRI intends that these activities will lead to insights on what methods, scale, and infrastructure will be necessary to discover all or most of the causal genes for human Mendelian conditions, and bring the field forward toward this goal. This FOA solicits applications for Centers for Mendelian Genomics (CMGs) with the following objectives: 1) discover as many causal genes for human Mendelian conditions as possible, 2) improve methods, costs, and efficiency to enhance the chances of success in causal gene discoveries, 3) enable others to discover more causal genes by disseminating tools, methods, and other resources that will be developed under this FOA, and 4) facilitate collaborations on gene discoveries and tool development, and avoid unproductive duplication of efforts, through worldwide coordination. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270448>

#### **Centers for Common Disease Genomics (UM1) Grant**

The National Human Genome Research Institute (NHGRI) seeks to fund a collaborative large-scale genome sequencing effort to comprehensively identify rare risk and protective variants contributing to multiple common disease phenotypes. This initiative will explore a range of diseases with the ultimate goal of undertaking variant discovery for enough different examples of disease architectures and study designs to better understand the general principles of genomic architecture underlying common, complex inherited diseases; understand how best to design rare variant studies for common disease; and develop resources, informatics tools, and innovative approaches and technologies for multiple disease research communities and the wider biomedical research community. This FOA aims to fund a collaborative large-scale genome sequencing effort to identify risk and protective variants contributing to multiple specific common disease phenotypes; to explore a range of diseases with the ultimate goal of doing this as comprehensively as possible within the evolving state-of-the-art for enough different disease architectures and study designs to understand general principles of how best to design rare variant studies for common disease; to better understand the genomic architecture underlying inherited disease; and to develop resources for multiple disease research communities and the wider biomedical research community. Deadline is April 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270445>

#### **NIMH Administrative Supplement Program Providing Research Experiences for Physicians and Medical Students from Diverse Backgrounds Grant**

The purpose of the NIMH Administrative Supplement Providing Research Experiences for Physicians and Medical Students from Diverse Backgrounds is to support advanced research experiences for outstanding early career physicians and medical students from underrepresented backgrounds. This program aims to increase the opportunities available for individuals from underrepresented backgrounds working in the mental health research workforce by recruiting and supporting outstanding physician-scientists and medical students. The proposed research experience must be an integral part of the approved research of the parent grant and must have the potential to contribute significantly to the candidate's research career. Deadline is April 1, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270440>

#### **Mobile Messaging Intervention to Present New HIV Prevention Grant**

The purpose of this funding opportunity is to develop and test a mobile messaging (e.g., texting, App) HIV prevention intervention for sexually-active (i.e., had sex with a man in the prior 12 months) gay, bisexual and other men who have sex with men (MSM). The intervention will consist of brief, multi-component messages about new and emerging risk reduction information (e.g., pre-exposure prophylaxis [PrEP] for HIV infection. Message components that will include, but will not be limited to pre-exposure prophylaxis [PrEP] for HIV infection, post-exposure prophylaxis [PEP], partner benefit of antiretroviral therapy [ART] use, condom effectiveness during use for anal sex, encouragement of HIV testing, importance of ART adherence for optimal benefit). Proposed messaging content, format, frequency, and delivery should reflect the state of the scientific literature at the time of application submission. Deadline is March 16, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270438>

#### **Innovation Grants to Nurture Initial Translational Efforts (IGNITE): Pharmacodynamics and In vivo Efficacy Studies for Small Molecules and Biologics/Biotechnology Products (R21/R33) Grant**

This funding opportunity announcement (FOA) encourages research grant applications to develop in vitro and/or ex vivo assays and conduct iterative screening efforts to identify and characterize potential therapeutic agents for neurological disorders. This FOA is part of a suite of Innovation Grants to Nurture Initial Translational Efforts (IGNITE) to advance projects to the point where they can meet the entry criteria for NINDS Cooperative Research to Enable and Advance Translational Enterprises program (CREATE) for biologics, biotechnology products, the Blueprint Neurotherapeutics Network (BPN) for small molecules, or other translational program. FOA is intended to fund development of new in vitro and/or ex vivo assays and screening efforts to identify and characterize novel therapeutic agents for neurological disorders. These activities include (but are not limited to) set up and optimization, standardization, and validation of measures of fundamental cellular/molecular events such as binding, bioactivity at the target, and activity downstream of the target relevant to neurological function. The proposed assays must have sufficient throughput for iterative screening of potential therapeutic agents such as small molecules and biologics. The initiative also includes design and preparation of a focused set of therapeutic agents, and characterization thereof. The use of state-of-the-art technologies for manipulation, detection, and analysis is encouraged. It is expected that upon completion, investigators will have a well-validated assay and therapeutic agent(s) that meet the entry criteria for the BPN for small molecules and CREATE for biologics and biotechnology products. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270431>

#### **Innovation Grants to Nurture Initial Translational Efforts (IGNITE): Pharmacodynamics and In vivo Efficacy Studies for Small Molecules and Biologics/Biotechnology Products (R21/R33) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270431>

#### **NIDDK Multi-Center Clinical Study Cooperative Agreement (U01) Grant**

This FOA invites applications for investigator-initiated, multi-center clinical studies. Proposed studies should be hypothesis-driven and focus on a disease relevant to the mission of NIDDK, including studies to address diabetes and other endocrine and metabolic diseases; digestive diseases, nutritional disorders, and obesity; and kidney, urologic, and hematologic diseases. Deadline is May 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270378>

#### **NIDDK Multi-Center Clinical Study Implementation Planning Cooperative Agreements (U34) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270380>

#### **The NCI Transition Career Development Award (K22) Grant**

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to facilitate the transition of investigators in mentored, non-independent cancer research positions to independent faculty cancer research positions. This goal is achieved by providing protected time through salary and research support for the initial 3 years of the first independent tenure-track faculty position, or its equivalent, beginning at the time when the candidate starts a tenure-track faculty position. The overall goal of the NIH Research Career Development program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the Nation's biomedical, behavioral, and clinical research needs. In addition to this opportunity, NIH Institutes and Centers (ICs) support a variety of other mentored career development programs designed to foster the transition of new investigators to research independence. These other programs may be more suitable for particular candidates. NIH also supports non-mentored career development programs for independent investigators. Deadline is November 12, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270348>

#### **Human Cellular Models for Predicting Individual Responses to Cystic Fibrosis Transmembrane Conductance Regulator- Directed Therapeutics (R41) Grant**

This program will support the technical development and validation of novel in vitro human cell-based tools for predicting the responses of individual patients to cystic fibrosis transmembrane conductance regulator (CFTR)-directed therapies for cystic fibrosis (CF) lung disease. NHLBI anticipates that outcomes of successful STTR projects will help attract strategic partners or investors to support ultimate commercialization of a personalized medicine platform that could accelerate translation of CFTR-directed therapy in patients with CF lung disease. Deadline is November 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270088>

#### **High Priority Immunology Grants (R01) Grant**

This is a Broad Agency Announcement (BAA) for the Fiscal Year 2014 (FY14) Defense Medical Research and Development Program (DMRDP), Joint Program Committee 1 (JPC-1), Medical Simulation and Information Sciences Research Program (MSIS), Team Performance Training (TPT) Research Initiative. The FY14 TPT Research Initiative seeks to support research into the design, plan, and components of an effective, efficient, interactive, user-friendly, evidence-based team performance trainer with automated assessment technology, which will improve team performance in delivery of healthcare with the overall goal of reducing medical errors/adverse events, and improving patient safety and healthcare outcomes. Focus on single-user interactive experiences is encouraged, but the FY14 TPT Research Initiative does not limit research to just single-user interactive experiences. The proposed automated assessment technology should analyze the individual's (and other team members') performance within a team situation/scenario and provide guidance toward optimal behaviors with the overall goal of reducing medical errors and improving healthcare outcomes. Deadline is April 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270128>

#### **NIDCR Clinical Trial or Biomarker Clinical Validation Study Cooperative Agreement (U01) Grant**

This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR) will support investigator-initiated Phase I, II, III or IV clinical trials, stage 1-4 behavioral or social intervention trials, or biomarker validation studies that require prospective collection of clinical outcomes and clinical specimens through the cooperative agreement funding mechanism. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270249>

#### **Unconventional Roles of Ethanol Metabolizing Enzymes, Metabolites, and Cofactors in Health and Disease (R21) Grant**

The purpose of this FOA is to provide support for integrated, innovative research on the novel and unconventional contributions of ethanol metabolizing pathways, their metabolites, cofactors, and interactions with synergizing biological pathways in the development of alcohol-induced diseases and end organ injuries. It is anticipated that research supported under this FOA will generate data that lead to breakthroughs in identification and understanding of key cellular and molecular components in the initiation, progression and maintenance of the diverse medical disorders caused by excessive or long term alcohol consumption. This knowledge is critical for the diagnosis, treatment and management of vulnerable patient populations debilitated by the vast array of

alcohol-induced pathologies and will enable clinicians to improve disease outcomes and, consequently, public health. A major goal of this FOA is to stimulate research that will broaden our understanding of how alcohol metabolism causes tissue damage, by considering not only the metabolic products of ethanol itself, but all of the biochemical changes resulting from alcohol metabolism in different cell types. The long-term goal is a comprehensive understanding of how alcohol metabolism impacts cellular function and end-organ disease, which has important implications for therapeutics development. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270231>

**Unconventional Roles of Ethanol Metabolizing Enzymes, Metabolites, and Cofactors in Health and Disease (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270232>

**Innovative Measures of Oral Medication Adherence for HIV Treatment and Prevention (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to solicit innovative research applications that seek to advance the development of bioanalytical assays, pill ingestion sensors, drug metabolite and taggant detection systems, or wireless technologic approaches for monitoring and improving adherence to oral antiretroviral therapy (ART) and pre-exposure prophylaxis (PrEP). This FOA invites innovative research applications for assay or technology development that could serve as valid measures of adherence to antiretrovirals (ARVs) prescribed for HIV treatment or prevention. These assays, technologic tools or devices should be developed to monitor ARV adherence in routine clinical practice, in field studies, or in the context of a clinical trial designed to measure efficacy. The goal is to improve the validity of adherence data, provide actionable adherence information to patients and their clinical providers, and create timely opportunities to intervene upon observed non-adherence before HIV treatment or prevention outcomes are compromised. Deadline is March 25, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269951>

**Human Cellular Models for Predicting Individual Responses to Cystic Fibrosis Transmembrane Conductance Regulator- Directed Therapeutics (R43/R44) Grant**

This program will support the technical development and validation of novel in vitro human cell-based tools for predicting the responses of individual patients to cystic fibrosis transmembrane conductance regulator (CFTR)-directed therapies for cystic fibrosis (CF) lung disease. NHLBI anticipates that outcomes of successful STTR projects will help attract strategic partners or investors to support ultimate commercialization of a personalized medicine platform that could accelerate translation of CFTR-directed therapy in patients with CF lung disease. - See more at: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-15-026.html#sthash.poLoJGCG.dpuf> Proposed research projects are expected to focus on the development of highly innovative cell-based systems that recapitulate a patient-specific CFTR phenotype to create a personalized study platform to examine response to CFTR-directed therapeutics. The models developed must be based on live cells from humans harboring CFTR mutations associated with CF. However, applicants are allowed considerable flexibility in how those cells are harvested, processed, and grown and in how the effects of therapeutic drugs are assayed. Investigators are encouraged to take advantage of recent advances in epithelial cell culture, which have defined effective methods for greatly expanding the numbers of cells and redifferentiating functional cell types to obtain an airway phenotype that is reflective of the native epithelium (e.g., cell polarity, ion transport, formation of ciliated cells and mucus secretion). Investigators may also wish to explore new opportunities for studying effects of CF therapeutics in organotypic 3-D cultures (e.g., bronchospheres). Preclinical data indicate that these cultures predict ion transport efficacy of CFTR potentiators and correctors on a group-wide basis and support their use as a tool to predict efficacy on an individual patient level. Deadline is November 9, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270089>

**High Priority Immunology Grants (R01) Grant**

The goal of this Funding Opportunity Announcement (FOA) is to augment the maintenance and growth of the NIAID portfolio of investigator-initiated R01 grants in fundamental immunology. It seeks to address a decline in NIAID immunology R01 applications and awards that has occurred in the past several fiscal years. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=270128>

**Underactive Bladder in Aging (R01) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, or translational research on underactive bladder (UAB) and its consequences in aging and in older persons. Applications should focus on the 1) biology, etiology and pathophysiology of UAB in animal models and/or older adults; 2) translation of basic/clinical research into clinical practice and health decision-making; 3) diagnosis, prevention, management and clinical outcomes of UAB in older adults; and/or 4) epidemiology and risk factors for the development of UAB with advancing age. Research supported by this initiative should enhance knowledge of UAB and its consequences in older adults and provide evidence-based guidance in the diagnosis, evaluation, and treatment of UAB in older persons. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269805>



**Underactive Bladder in Aging (R03) Grant**

This Funding Opportunity Announcement (FOA) invites pilot/feasibility projects that propose basic, clinical, or translational research on underactive bladder (UAB) and its consequences in aging and in older persons. Applications should focus on the 1) biology, etiology and pathophysiology of UAB in animal models and/or older adults; 2) translation of basic/clinical research into clinical practice and health decision-making; 3) diagnosis, prevention, management and clinical outcomes of UAB in older adults; and/or 4) epidemiology and risk factors for the development of UAB with advancing age. Pilot/feasibility research supported by this initiative should enhance knowledge of UAB and its consequences in older adults and provide evidence of feasibility of the diagnosis, evaluation, and/or treatment of UAB in older persons. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269806>

**Underactive Bladder in Aging (R21) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, or translational research on underactive bladder (UAB) and its consequences in aging and in older persons. Applications should focus on the 1) biology, etiology and pathophysiology of UAB in animal models and/or older adults; 2) translation of basic/clinical research into clinical practice and health decision-making; 3) diagnosis, prevention, management and clinical outcomes of UAB in older adults; and/or 4) epidemiology and risk factors for the development of UAB with advancing age. The R21 mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. Research supported by this initiative should enhance knowledge of UAB and its consequences in older adults and provide evidence-based guidance in the diagnosis, evaluation, and treatment of UAB in older persons. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269807>

**Diabetes and Cardiovascular Disease in Older Adults (R21) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, and epidemiological outcomes research on the impact of age on the development of, diagnosis, and management of diabetes and cardiovascular disease (CVD) complications in older persons or animal models. Research may focus on, but is not limited to 1) the epidemiology of increasing incidence and prevalence of DM with advancing age, particularly regarding potential racial-ethnic disparities, 2) the elucidation of age-related mechanisms predisposing older adults to diabetes and resultant CVD, 3) understanding the role of aging in increased incidence and severity of CVD outcomes in older diabetics, and 4) determining age-specific prevention, screening, diagnostic, and management strategies of DM in older persons and its CVD complications. Research supported by this initiative is expected to elucidate the role of aging mechanisms that underlie the increased vulnerability of older adults to DM and its CVD complications and to provide evidence-based guidance to improve more appropriate diagnostic criteria, risk stratification, and intervention recommendations to prevent the onset, or improve short- and long-term outcomes, of DM and CVD in older persons. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269688>

**Diabetes and Cardiovascular Disease in Older Adults (R01) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, and epidemiological outcomes research on the impact of age on the development of, diagnosis, and management of diabetes and cardiovascular disease (CVD) complications in older persons or animal models. Research may focus on, but is not limited to 1) the epidemiology of increasing incidence and prevalence of DM with advancing age, particularly regarding potential racial-ethnic disparities, 2) the elucidation of age-related mechanisms predisposing older adults to diabetes and resultant CVD, 3) understanding the role of aging in increased incidence and severity of CVD outcomes in older diabetics, and 4) determining age-specific prevention, screening, diagnostic, and management strategies of DM in older persons and its CVD complications. Research supported by this initiative is expected to elucidate the role of aging mechanisms that underlie the increased vulnerability of older adults to DM and its CVD complications and to provide evidence-based guidance to improve more appropriate diagnostic criteria, risk stratification, and intervention recommendations to prevent the onset, or improve short- and long-term outcomes, of DM and CVD in older persons. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269689>

**Diabetes and Cardiovascular Disease in Older Adults (R03) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, and epidemiological outcomes research on the impact of age on the development of, diagnosis, and management of diabetes and cardiovascular disease (CVD) complications in older persons or animal models. Research may focus on, but is not limited to 1) the epidemiology of increasing incidence and prevalence of DM with advancing age, particularly regarding potential racial-ethnic disparities, 2) the elucidation of age-related mechanisms predisposing older adults to diabetes and resultant CVD, 3) understanding the role of aging in increased incidence and severity of CVD outcomes in older diabetics, and 4) determining age-specific prevention, screening, diagnostic, and management strategies of DM in older persons and its CVD complications. Research supported by this initiative is expected to elucidate the role of aging mechanisms that underlie the increased vulnerability of older adults to DM and its CVD complications and to provide evidence-based guidance to improve

more appropriate diagnostic criteria, risk stratification, and intervention recommendations to prevent the onset, or improve short- and long-term outcomes, of DM and CVD in older persons. Deadline is January 7, 2018.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269690>

**Research Aimed at Novel Behavioral Targets to Improve Adolescent Substance Abuse Treatment and Prevention Interventions (R01) Grant**

This Funding Opportunity Announcement (FOA) is part of a trans-NIH initiative known as Collaborative Research on Addiction at NIH (CRAN). Areas supported by this FOA include research to inform the generation and refinement of novel targets for substance abuse treatment and prevention interventions, modules or adjuncts to existing treatments and prevention interventions that seek to target and modulate behavioral or neurobehavioral processes (e.g., impulsivity, risk-taking propensity, sensation and novelty seeking, distress tolerance, delay discounting, self-regulation, stress reactivity) in adolescents. Additionally, this FOA will encourage studies to include theoretical links that explore the relationship(s) between neural circuitry and treatment and prevention effects, and in particular, how behavioral targets might be affected by treatment and prevention interventions, and how that might be used to improve targeted treatment and prevention intervention development, that translate to reduced morbidity and mortality. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269691>

**Research Aimed at Novel Behavioral Targets to Improve Adolescent Substance Abuse Treatment and Prevention Interventions (R34) Grant**

This Funding Opportunity Announcement (FOA) is part of a trans-NIH initiative known as Collaborative Research on Addiction at NIH (CRAN). Areas supported by this FOA include research to inform the generation and refinement of novel targets for substance abuse treatment and prevention interventions, modules or adjuncts to existing treatments and prevention interventions that seek to target and modulate behavioral or neurobehavioral processes (e.g., impulsivity, risk-taking propensity, sensation and novelty seeking, distress tolerance, delay discounting, self-regulation, stress reactivity) in adolescents. Additionally, this FOA will encourage studies to include theoretical links that explore the relationship(s) between neural circuitry and treatment and prevention effects, and in particular, how behavioral targets might be affected by treatment and prevention interventions, and how that might be used to improve targeted treatment and prevention development, that translate to reduced morbidity and mortality. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269692>

**BRAIN Initiative: Development and Validation of Novel Tools to Analyze Cell-Specific and Circuit Specific Processes in the Brain (U01) Grant**

The purpose of this Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative is to encourage applications that will develop and validate novel tools to facilitate the detailed analysis of complex circuits and provide insights into cellular interactions that underlie brain function. The new tools and technologies should inform and/or exploit cell-type and/or circuit-level specificity. Plans for validating the utility of the tool/technology will be an essential feature of a successful application. The development of new genetic and non-genetic tools for delivering genes, proteins and chemicals to cells of interest or approaches that are expected to target specific cell types and/or circuits in the nervous system with greater precision and sensitivity than currently established methods are encouraged. Tools that can be used in a number of species / model organisms rather than those restricted to a single species are highly desired. Applications that provide approaches that break through existing technical barriers to substantially improve current capabilities are highly encouraged. Deadline is March 18, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269693>

**Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21) Grant**

The purpose of this FOA is to enhance the diversity of the NCI-funded research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented in the biomedical, clinical, behavioral, and social sciences workforce. This funding opportunity will also provide a bridge to investigators that have completed their research training and may need extra time to develop a larger research project grant application. Deadline is November 30, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269852>

**Alzheimer's Disease Sequencing Project (ADSP) Replication Phase Analysis Studies (U01) Grant**

This Funding Opportunity Announcement (FOA) invites applications specific to targeted sequencing, genotyping, and data analysis in the Replication Phase of the Alzheimer's Disease Sequencing Project. Deadline is June 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269853>

**NIA Coordinating Center for Genetics and Genomics of Alzheimer's Disease (U54) Grant**

This Funding Opportunity Announcement (FOA) invites applications to establish an NIA Coordination Center to facilitate and support the Replication Phase of the Alzheimer's Disease (AD) Sequencing Project (ADSP) activities. The Coordinating Center for the Genetics and Genomics of Alzheimer's Disease (CGAD) will serve as

the focal point for ADSP replication phase joint data analysis, harmonization, and sharing. The FOA is intended to support a major component of the full range of analysis for the Replication Phase of the ADSP. The spectrum of the Center's activities comprises a multidisciplinary attack on AD in keeping with NIA's programmatic needs. The Center will serve as a national resource for the specific purpose of identifying potential avenues for therapeutic approaches and prevention of the disease. Deadline is June 3, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269854>

**Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01) Grant**

This Funding Opportunity Announcement (FOA) invites applications to enhance the pool of highly trained investigators from diverse backgrounds underrepresented in research. It is targeted toward individuals whose basic, clinical, and translational research interests are grounded in the advanced methods and experimental approaches needed to solve problems related to cardiovascular, pulmonary, and hematologic diseases and sleep disorders in the general and health disparities populations. This FOA invites applications from Institutions with eligible faculty members to undertake special study and supervised research under a mentor who is an accomplished investigator in the research area proposed and has experience in developing independent investigators. Deadline is November 17, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269855>

**Health Resources and Services Administration Sickle Cell Disease Newborn Screening Program Grant**

This announcement solicits applications for the Sickle Cell Disease Newborn Screening Program (SCDNBSP) to enhance CBOs efforts to provide follow-up services for sickle cell patients and support sickle cell disease counseling, education, referrals to a medical home, and other support services. The goals of the SCDNBSP are for a national sickle cell organization, in part by working with regional and local sickle cell community-based organizations (CBOs) to: 1) create a national effort to develop, implement, and maintain a national strategy to identify and assess the care quality and outcomes of individuals with sickle cell disease in order to assure access to comprehensive care; 2) increase the use of sickle cell educator/counselors (e.g., community health workers); and 3) increase the number of patients with care coordination, follow-up and referral to medical homes for sickle cell patients. The sickle cell educator/counselors will provide care coordination to sickle cell patients in communities by educating patients about sickle cell, linking patients to medical homes and assisting them with other resources in the community to address their health care quality and outcomes. A regional approach will be used for the Sickle Cell Disease Newborn Screening Program. The Sickle Cell Disease Treatment Demonstration Program (SCDTDP) uses a regional model, and the applicant is expected to work collaboratively with the SCDTDP awardees. Deadline is January 9, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269856>

**Systems Science and Health in the Behavioral and Social Sciences (R21) Grant**

This FOA is intended to increase the breadth and scope of topics that can be addressed with systems science methodologies. This FOA calls for research projects that are applied and/or basic in nature (including methodological and measurement development), have a human behavioral and/or social science focus, and employ methodologies suited to addressing the complexity inherent in behavioral and social phenomena, referred to as systems science methodologies. Additionally, this FOA seeks to promote interdisciplinary collaboration among health researchers and experts in computational approaches to further the development of modeling- and simulation-based systems science methodologies and their application to important public health challenges. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269753>

**Systems Science and Health in the Behavioral and Social Sciences (R01) Grant**

This FOA is intended to increase the breadth and scope of topics that can be addressed with systems science methodologies. This FOA calls for research projects that are applied and/or basic in nature (including methodological and measurement development), have a human behavioral and/or social science focus, and employ methodologies suited to addressing the complexity inherent in behavioral and social phenomena, referred to as systems science methodologies. Additionally, this FOA seeks to promote interdisciplinary collaboration among health researchers and experts in computational approaches to further the development of modeling- and simulation-based systems science methodologies and their application to important public health challenges. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269754>

**NIDCD Research Career Transition Award for Nurturing Clinician-Investigators (K22) Grant**

The purpose of the NIDCD Research Career Transition Award for Nurturing Clinician-Investigators (K22) is to facilitate and support the early-stage research career development of new and recently appointed clinician faculty members with limited research training and experience who seek to forge an independent research career trajectory at academic institutions. This K22 program is intended to provide them with the knowledge, tools and

research experience that will enable them to craft an NIDCD mentored clinician-scientist development (K08/K23) award application that is competitive for funding. Deadline is October 2, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269749>

#### **Targeting Persistent HIV Reservoirs (TaPHIR) (R21/R33) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate the development of innovative tools and strategies for curing HIV infection. HIV establishes latent infection in long-lived cells that form a reservoir of virus that persists in infected individuals even after years of treatment with highly active antiretroviral therapy (HAART). Curing HIV infection requires innovative strategies to identify and eliminate these reservoir cells. The task is especially difficult given the lack of HIV protein expression during latency and the low frequency of latently infected cells during treatment. Novel approaches are therefore sought to efficiently monitor and specifically target reservoirs of latently infected cells to facilitate the testing of strategies to cure HIV infection in vivo. Deadline is April 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269731>

#### **Family and Interpersonal Relationships in an Aging Context (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages innovative, hypothesis-driven R01 research grant applications that can expand understanding of the role and impact of families and interpersonal relationships on health and well-being in midlife and older age. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269735>

#### **Cancer Prevention, Control, Behavioral Sciences, and Population Sciences Career Development Award (K07) Grant**

The purpose of the Cancer Prevention, Control, Behavioral Sciences, and Population Sciences Career Development Award (K07) is to support the career development of junior investigators with research or health professional doctoral degrees who want to become cancer-focused academic researchers in cancer prevention, cancer control, or the behavioral or population sciences. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269573>

#### **T32 Training Program for Institutions That Promote Diversity (T32) Grant**

The purpose of this funding opportunity announcement (FOA) is to enhance the participation of individuals from diverse backgrounds underrepresented in cardiovascular, pulmonary, hematologic and sleep disorders research across the career development continuum. The NHLBIs T32 Training Program for Institutions That Promote Diversity is a Ruth L. Kirschstein National Research Service Award Program intended to support training of predoctoral and health professional students and individuals in postdoctoral training institutions with an institutional mission focused on serving health disparity populations not well represented in scientific research, or institutions that have been identified by federal legislation as having an institutional mission focused on these populations, with the potential to develop meritorious training programs in cardiovascular, pulmonary, hematologic, and sleep disorders. The NHLBIs T32 Training Program for Institutions That Promote Diversity is designed to expand the capability for biomedical research by providing grant support to institutions that have developed successful programs that promote diversity and serve health disparity populations and that offer doctoral degrees in the health professions or in health-related sciences. These institutions are uniquely positioned to engage minority and other health disparity populations in research, translation, and implementation of research advances that impact health outcomes, as well as provide health care for these populations. The primary goals of the T32 Training Program for Institutions That Promote Diversity are to: (1) contribute to the expansion of the future pool of individuals from diverse backgrounds underrepresented in research areas of interest to the NHLBI, (2) enable trainees to increase their competitiveness for peer-review research funding, (3) strengthen publication records of trainees, and (4) foster institutional environments conducive to professional development in the biomedical sciences. Deadline is September 18, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269553>

#### **Host-Directed TB Therapy: New Approaches (UH2/UH3) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for support of preclinical evaluation, planning for and conduct of proof-of-concept clinical studies for Mycobacterium tuberculosis (TB) treatment that will be applicable in the context of HIV co-infection using host-directed agents already approved for clinical use or in late-stage clinical trials for other conditions. Host-directed therapies (HDT) for TB that may also have activity against HIV, either directly or by enhancing immunologic reactions, are of particular interest. Funds from the NIH will be made available through the UH2/UH3 cooperative agreement award mechanism. The initial UH2 award (up to two years) will support the development of critical preclinical data, development of study partnerships, and development of the proof-of-concept (POC) trial protocol and all supporting plans and documentation. Once UH2 pre-clinical and clinical milestones have been met, the UH3 award (up to 3 years) may be made to support the planned POC clinical trial. Deadline is March 25, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269528>

#### **Academic-Community Partnership Conference Series (R13) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Conference Grant (R13) applications to conduct health disparities-related meetings, workshops, and symposia. The purpose of the Academic-Community Partnership Conference Series is to bring together academic institutions and community organizations to identify opportunities for reducing health disparities through the use of Community-Based Participatory Research (CBPR). The objectives of meetings conducted as part of this award will be to: (1) establish and/or enhance existing academic-community partnerships; (2) identify community-driven research priorities; and (3) develop long-term collaborative CBPR research agendas. Deadline is November 17, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=269490>

#### **R40 Maternal and Child Health Research Program (MCHR) Grant**

The R40 MCH Research Program supports applied research relating to maternal and child health services, including services for children with special health care needs. Research should demonstrate a substantial contribution to advancement of the current knowledge pool, and when used in States and communities should result in health and health services improvements. Findings from the research supported by the MCH Research Program are expected to strengthen and expand Affordable Care Act (ACA) implementation. This includes research that drives policy and service delivery of preventive and early intervention services for application in health care delivery programs or develops new knowledge on the impact of insurance coverage on health promotion. Research proposals should address critical MCH questions such as public health systems and infrastructure, health disparities, quality of care, and promoting the health of MCH populations, which also support the goals of the Health Resources and Services Administration. The life course perspective is currently being integrated into MCH's strategic directions, and can serve as a helpful frame of reference for study proposals designed to address the critical MCH questions defined by the Bureau. Applicants are encouraged to propose translational research studies that specifically address issues related to MCHB investments and programs. Deadline is December 5, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268068>

#### **Spatial Uncertainty: Data, Modeling, and Communication (R21) Grant**

The purpose of this funding opportunity announcement (FOA) is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. Deadline is January 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268630>

#### **Spatial Uncertainty: Data, Modeling, and Communication (R01) Grant**

The purpose of this funding opportunity announcement (FOA) is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268633>

#### **Spatial Uncertainty: Data, Modeling, and Communication (R03) Grant**

The purpose of this funding opportunity announcement (FOA) is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=268649>

#### **Resource Program Grants in Bioinformatics (P41) Grant**

This Funding Opportunity Announcement (FOA) invites applications for Resource Program Grants in Bioinformatics for supporting the continued operation, improvement, and dissemination of databases, digital information, or software tools that are unique, and of special importance to research using animal models of embryonic developmental processes. Applicants are strongly encouraged to consult with the Scientific/Research Contact listed below in Section VII to ensure that the proposed project reflects the objectives of this FOA and the programmatic interests of the NICHD. Deadline is September 25, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=267808>

#### **The Midlife in the United States Study (U19) Grant**

The purpose of this FOA is to solicit an application for the next 5-year cycle of the Midlife in the United States (MIDUS) Study, a National Longitudinal Study of Health and Well-being. The goals of this next phase are to complete the third wave of longitudinal data collection and enhance content in the area of daily stress; complete the second wave of data collection of clinical biomarkers and affective neuroscience assessments; continue innovative sub-studies such as how psychosocial influences affect gene expression and novel methods to track

and reinstate non-responders; connect these content areas through innovative analyses to data on health, functioning, personality, cognitive status, affective functioning, economic well-being, social relationships, and well-being; and maintain and enhance data distribution and user support. A central goal of the MIDUS study is to support data dissemination, user support of public use files, and encourage data use broadly by the scientific community. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=267788>

#### **Planning Grants for Clinical Trials of High Relevance to the NIGMS Mission (R34) Grant**

The purpose of this funding opportunity announcement is to provide time and support for the applicant to develop plans for the design and execution of clinical trials that are highly relevant to the NIGMS mission. Activities supported by a planning grant could include development of a Manual of Procedures, creation of a Data Safety and Monitoring Board charter, development of data handling and statistical analysis plans, establishment of recruitment sites, preparation of preliminary submissions for regulatory approvals, development of training materials, and other tasks essential to a trial. Following funding and successful completion of a planning grant, a clinical trial that is highly relevant to the institute's mission may be submitted to NIGMS as an R01 grant application (see NOT-GM-14-130). Deadline is November 14, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266908>

#### **Self-Management for Health in Chronic Conditions (R01) Grant**

The purpose of this initiative is to support research in self-management focused across conditions. A recent report from the Institute of Medicine (IOM) identifies the epidemic of chronic condition as the nations leading health challenge and calls for cross-cutting, coordinated public health actions for living well with chronic illness. This Funding Opportunity Announcement (FOA) addresses that recommendation by describing an initiative that focuses on self-management as a mainstream science in order to reduce the burden of chronic illnesses/conditions. Self-management is the ability of the individual, in conjunction with family, community, and healthcare professionals, to manage symptoms, treatments, lifestyle changes, and psychosocial, cultural, and spiritual consequences associated with a chronic illness or condition. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=265989>

#### **Self-Management for Health in Chronic Conditions (R21) Grant**

The purpose of this initiative is to support research in self-management focused across conditions. A recent report from the Institute of Medicine (IOM) identifies the epidemic of chronic condition as the nations leading health challenge and calls for cross-cutting, coordinated public health actions for living well with chronic illness. This Funding Opportunity Announcement (FOA) addresses that recommendation by describing an initiative that focuses on self-management as a mainstream science in order to reduce the burden of chronic illnesses/conditions. Self-management is the ability of the individual, in conjunction with family, community, and healthcare professionals, to manage symptoms, treatments, lifestyle changes, and psychosocial, cultural, and spiritual consequences associated with a chronic illness or condition. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266008>

#### **Self-Management for Health in Chronic Conditions (R15) Grant**

The purpose of this initiative is to support research in self-management focused across conditions. A recent report from the Institute of Medicine (IOM) identifies the epidemic of chronic condition as the nations leading health challenge and calls for cross-cutting, coordinated public health actions for living well with chronic illness. This Funding Opportunity Announcement (FOA) addresses that recommendation by describing an initiative that focuses on self-management as a mainstream science in order to reduce the burden of chronic illnesses/conditions. Self-management is the ability of the individual, in conjunction with family, community, and healthcare professionals, to manage symptoms, treatments, lifestyle changes, and psychosocial, cultural, and spiritual consequences associated with a chronic illness or condition. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266009>

#### **NIDCR Behavioral or Social Intervention Clinical Trial Planning Grant (R34) Grant**

The NIDCR will support R34 grants for the planning and design of clinical studies to test behavioral or social interventions related to its mission (for details, please see: <http://www.nidcr.nih.gov/Research/DER/bssrb.htm>). The R34 grant will support activities that include, but are not limited to: the development of the behavioral or social intervention manual and procedures for training interventionists; development of the clinical protocol that will guide a subsequent clinical trial; the tools for data management, participant safety and operational oversight; and other activities to prepare for a subsequent clinical trial. R34 applications preparing for a behavioral or social intervention study may involve human subjects as part of small-scale testing of the feasibility and acceptability of the intervention(s), measures, methods, training approaches, etc. However, the R34 planning grant is not meant to support efficacy testing of interventions. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266028>

**NIDCR Clinical Trial or Biomarker Clinical Validation Study Planning Grant (R34) Grant**

The NIDCR will support R34 grants for the planning and design of clinical trials or biomarker clinical validation studies. This Funding Opportunity Announcement (FOA) will support activities to develop: the draft clinical protocol; the Clinical Investigators Brochure (or equivalent) if needed; tools for data and quality management, safety and operational oversight plans; recruitment and retention strategies; the study team; and other essential documents such as a draft Manual of Procedures that are necessary for the subsequent clinical trial or biomarker clinical validation study. The Clinical Trial or Biomarker Clinical Validation Study Planning Grant is not designed for the collection of preliminary data on the efficacy of the intervention (clinical or pre-clinical), or the collection of prospective data to support the rationale for a clinical trial or study. Evaluation of the potential subject population to determine its eligibility for participation in the future trial or biomarker validation study is allowed but not required. Planning grant activities for behavioral and social interventions may include pilot testing of the intervention during the R34 phase, thus a separate FOA (PAR-14-342) will support these types of interventional trials. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266048>

**Building Genetics and Genomic Knowledge about Dental, Oral, and Craniofacial Diseases and Disorders (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research into dental, oral, and craniofacial diseases and disorders for which there is evidence for genetic heritability but for which we do not have a strong understanding of the genetics/genomics of the disease or disorder. Applicable areas of investigation include identification of promising areas of the genome, and characterization and elucidation of the function(s) of genetic variants that affect disease risk in humans. The ultimate goal of these studies will be to drive development of effective diagnostic, therapeutic, and preventive approaches. January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=266188>

**NIAID Career Transition Award (K22) Grant**

The purpose of the NIAID Career Transition Award (CTA) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators that will address the health needs of the Nation. The NIAID CTA is specifically designed to facilitate the transition from a postdoctoral research position to an independent research position. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264808>

**Secondary Analyses of Existing Alcohol Epidemiology Data (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support the secondary analysis of existing data sets with the goal of enhancing our understanding of patterns of alcohol consumption and the epidemiology of alcohol-related problems. Research grants for the Secondary Analysis of Existing Alcohol Epidemiology Data Sets are intended to provide support for studies that utilize currently available data sets to increase our understanding of the incidence, prevalence and etiology of alcohol related problems and disorders in the population, as well as the risk and protective factors associated with them. Research that employs analytic techniques which demonstrate or promote methodological advances in alcohol-related epidemiologic research is also of interest. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264488>

**Secondary Analyses of Existing Alcohol Epidemiology Data (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support the secondary analysis of existing data sets with the goal of enhancing our understanding of patterns of alcohol consumption and the epidemiology of alcohol-related problems. Research grants for the Secondary Analysis of Existing Alcohol Epidemiology Data Sets are intended to provide support for studies that utilize currently available data sets to increase our understanding of the incidence, prevalence and etiology of alcohol related problems and disorders in the population, as well as the risk and protective factors associated with them. Research that employs analytic techniques which demonstrate or promote methodological advances in alcohol-related epidemiologic research is also of interest. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264478>

**Secondary Analyses of Existing Alcohol Epidemiology Data (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support the secondary analysis of existing data sets with the goal of enhancing our understanding of patterns of alcohol consumption and the epidemiology of alcohol-related problems. Research grants for the Secondary Analysis of Existing Alcohol Epidemiology Data Sets are intended to provide support for studies that utilize currently available data sets to increase our understanding of the incidence, prevalence and etiology of alcohol related problems and disorders in the population, as well as the risk and protective factors associated with them. Research that employs analytic techniques which demonstrate or promote methodological advances in alcohol-related epidemiologic research is also of interest. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264474>

### **NLM Grants for Scholarly Works in Biomedicine and Health (G13) Grant**

NLM Grants for Scholarly Works in Biomedicine and Health are awarded for the preparation of book-length manuscripts and other scholarly works of value to U.S. health professionals, public health officials, biomedical researchers and historians of the health sciences. Deadline is February 22, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264469>

### **Advancing Interventions to Improve Medication Adherence (R01) Grant**

This funding opportunity announcement (FOA) is being issued by the NIH Adherence Network through the Office of Behavioral and Social Sciences Research (OBSSR), with participation from multiple NIH Institutes and Centers. This FOA seeks Research Project Grant (R01) applications that propose interventions to significantly improve medication adherence in individuals. Applications may target medication adherence in the context of treatment for a single illness or chronic condition (e.g., hypertension), to stave off a disease recurrence (e.g., cancer) or for multiple comorbid conditions (e.g., hypertension, diabetes, alcohol use disorders and HIV/AIDS). A well-articulated theoretical or conceptual framework is key for applications encouraged under this announcement. Primary outcomes of the research can include a patient self-report of medication adherence, but must also at least one non-self-report measure of medication adherence (e.g., pharmacy refill records, electronic monitoring, etc.). In addition, applications are encouraged to include a relevant health outcome or biomarker (e.g., blood pressure, viral load in HIV-infected individuals, cholesterol levels, HbA1c) that is expected to be affected by changes in the targeted adherence behavior. For diseases without identified biomarkers, inclusion of a clinical assessment (e.g., a medicine blood level, diagnostic interview or an independent clinician rating of the symptoms and behaviors) may be considered. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264108>

### **Advancing Interventions to Improve Medication Adherence (R21) Grant**

This funding opportunity announcement (FOA) is being issued by the NIH Adherence Network through the Office of Behavioral and Social Sciences Research (OBSSR), with participation from multiple NIH Institutes. This FOA encourages Exploratory/Developmental Research Project Grant (R21) applications for research and development of interventions to significantly improve medication adherence in individuals. Applications may target medication adherence in the context of treatment for a single illness or chronic condition (e.g., hypertension), to stave off a disease recurrence (e.g., cancer) or for multiple comorbid conditions (e.g., hypertension, diabetes, alcohol use disorders and HIV/AIDS). A well-articulated theoretical or conceptual framework is key for applications encouraged under this announcement. Applicants should demonstrate the feasibility of collecting multi-modal data on the targets of the intervention including: a patient self-report of medication adherence, at least one non-self-report measure of medication adherence (e.g., pharmacy refill records, electronic monitoring, etc.), and a relevant health outcome or biomarker (e.g., blood pressure, viral load in HIV-infected individuals, cholesterol levels, HbA1c) that is expected to be affected by changes in the targeted adherence behavior. For diseases without identified biomarkers, inclusion of a clinical assessment (e.g., a medicine blood level, diagnostic interview or an independent clinician rating of the symptoms and behaviors) may be considered. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area, will not be considered for R21 awards. Applications submitted under this mechanism should be exploratory and novel. These studies should break new ground or extend previous discoveries toward new directions or applications. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264128>

### **Advancing Interventions to Improve Medication Adherence (R21) Grant**

This funding opportunity announcement (FOA) is being issued by the NIH Adherence Network through the Office of Behavioral and Social Sciences Research (OBSSR), with participation from multiple NIH Institutes. This FOA encourages Exploratory/Developmental Research Project Grant (R21) applications for research and development of interventions to significantly improve medication adherence in individuals. Applications may target medication adherence in the context of treatment for a single illness or chronic condition (e.g., hypertension), to stave off a disease recurrence (e.g., cancer) or for multiple comorbid conditions (e.g., hypertension, diabetes, alcohol use disorders and HIV/AIDS). A well-articulated theoretical or conceptual framework is key for applications encouraged under this announcement. Applicants should demonstrate the feasibility of collecting multi-modal data on the targets of the intervention including: a patient self-report of medication adherence, at least one non-self-report measure of medication adherence (e.g., pharmacy refill records, electronic monitoring, etc.), and a relevant health outcome or biomarker (e.g., blood pressure, viral load in HIV-infected individuals, cholesterol levels, HbA1c) that is expected to be affected by changes in the targeted adherence behavior. For diseases without identified biomarkers, inclusion of a clinical assessment (e.g., a medicine blood level, diagnostic interview or an independent clinician rating of the symptoms and behaviors) may be considered. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area, will not be considered for R21 awards. Applications submitted under this mechanism should be exploratory and novel. These studies



should break new ground or extend previous discoveries toward new directions or applications. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264128>

**Global Brain and Nervous System Disorders Research Across the Lifespan (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages exploratory/developmental research grant applications, proposing the development of innovative, collaborative research projects on brain and other nervous system function and disorders throughout life, relevant to low- and middle-income countries (LMICs). Scientists in the United States (U.S.) or upper middle income countries (UMICs) are eligible to partner with scientists in LMIC institutions. Income categories used are as defined by the World Bank at <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>. These grants are expected to inform the development of more comprehensive research programs that contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, prevention, treatment and implementation strategies. The proposed work may also contribute to developing a base for research networking and evidence-based policy beyond the specific research project. Deadline is January 5, 2017

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264148>

**Global Brain and Nervous System Disorders Research Across the Lifespan (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications for the conduct of innovative, collaborative research projects between U.S. and low- and middle-income country (LMIC) scientists, on brain and other nervous system function and disorders throughout life, relevant to LMICs. Scientists in upper middle income countries (UMICs) are eligible to partner directly with scientists at other LMIC institutions. Income categories are defined by the World Bank at <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>. The collaborative research programs are expected to contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, prevention, treatment and implementation strategies. The proposed work will also contribute to developing a base for research networking and evidence-based policy beyond the specific research project. Deadline is January 5, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264151>

**Biomedical/Biobehavioral Research Administration Development (BRAD) Award (G11) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications that propose to establish Offices of Research and Sponsored Programs (ORSPs) or enhance the services of existing ORSPs or similar entities at domestic and international institutions of higher learning. Domestic program priorities include emerging research institutions and primarily undergraduate institutions, including women's colleges, that have a racial and ethnically diverse student enrollment and that meet the eligibility requirement of the NIH Academic Research Enhancement Award (AREA) program. International program priorities include institutions of higher education in sub-Saharan Africa, India, and low and middle income countries in the Caribbean and South America that meet the eligibility requirements. Deadline is August 19, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=264173>

**Type 1 Diabetes Complications IMPACT Award (DP3) Grant**

This FOA encourages research applications from institutions/organizations proposing innovative studies focused on major obstacles to developing therapeutic approaches for complications of Type 1 Diabetes. Deadline is March 19, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=263309>

**Approaches to Eliminate HIV and Opportunistic Pathogens from Oral Reservoirs (R01) Grant**

The goal of this Funding Opportunity Announcement (FOA) is to support novel basic and translational research projects that focus on the biology of residual oral reservoirs for HIV and opportunistic oral pathogens. These studies will advance our understanding of the immunologic, pathogenic, molecular and cellular mechanisms important for eliminating latently persistent, reactivation competent HIV and other opportunistic pathogens from residual oral reservoirs. Specifically, this FOA encourages studies on: 1) purging and abolishing these pathogens after using Highly Active Anti-Retroviral Therapy (HAART) to induce cytopathic killing and immunoclearance; or 2) developing alternative strategies that directly eliminate latently infected cells in which HAART resistant HIV and opportunistic pathogens persist in oral reservoirs. Deadline is July 28, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=263328>

**NIMH Mentoring Networks for Mental Health Research Education (R25) Grant**

The over-arching goal of this NIMH R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focus on Mentoring Activities, and in particular, mentoring networks. Networks may be national, regional or local. All proposed networks should provide significant new opportunities, and should comprise efforts

substantially beyond any ongoing mentoring, networking or research education within academic programs, institutions, or pre-existing networks or educational collaborations among institutions. Participants in proposed mentoring networks are limited to graduate/medical students, medical residents, postdoctoral scholars, and/or early-career faculty. Proposed networks are expected to enhance the participants' professional development and to foster their career trajectory towards independent mental health research. Deadline is May 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260868>

#### **NIMH Short Courses for Mental Health-Related Research Education (R25) Grant**

The over-arching goal of this NIMH R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focus on Courses for Skills Development. Proposed short courses are expected to facilitate the development of a sophisticated cadre of investigators with the requisite scientific research skills to advance the mission of the NIMH, namely to transform the understanding and treatment of mental illnesses through research. Each short course is expected to include both didactics and hands-on research experiences. Participants are limited to graduate/medical students, medical residents, postdoctoral scholars, and/or early-career faculty. Deadline is May 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260870>

#### **NIMH Research Education Programs for Psychiatry Residents (R25) Grant**

The goal of this NIMH R25 program is to support educational activities that help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focus on research education experiences that will stimulate and develop the interest and ability of psychiatry residents to conduct research in areas relevant to the mission of NIMH. These programs will facilitate the development of research-oriented physician-scientists who are prepared to conduct research in scientific areas that fulfill the objectives of the NIMH Strategic Plan. Deadline is May 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260871>

#### **Molecular and Cellular Substrates of Complex Brain Disorders (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages research grant applications directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260915>

#### **Molecular and Cellular Substrates of Complex Brain Disorders (R21) Grant**

This Funding Opportunity Announcement (FOA) uses the R21 mechanism to encourage new research activities directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. The R21 activity code is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260917>

#### **Arts-Based Approaches in Palliative Care for Symptom Management (R01) Grant**

The purpose of this funding opportunity announcement (FOA) is to support mechanistic clinical studies aimed at understanding the impact of arts-based approaches in palliative care for symptom management. This FOA is intended to support mechanistic clinical studies to provide an evidence base for the use of the arts in palliative care for symptom management. The objective is to understand the biological, physiological, neurological, psychological, and/or sociological mechanisms by which the arts exert their effects on symptom management during and throughout the palliative care continuum. The goal is for the research supported under this FOA to develop an evidence-base that could be used as a basis for the uptake of arts-based therapies in palliative care settings, among individuals across the lifespan, with a wide variety of serious chronic conditions and their accompanying symptoms. This FOA is not intended to determine efficacy or the comparative effectiveness of interventions, or to assess interventions designed to treat the underlying cause of a particular disease state. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=260175>

#### **Innovative Research in Cancer Nanotechnology (IRCN) (U01) Grant**

This Funding Opportunity Announcement (FOA) invites applications for the development of innovative research projects in cancer nanotechnology. This initiative, to be known as Innovative Research in Cancer Nanotechnology (IRCN), is an integral component of a broader program - the NCI Alliance for Nanotechnology in Cancer (The Alliance) (<http://nano.cancer.gov>). IRCN awards are designed to enable multi-disciplinary research and transformative discoveries in cancer biology and/or oncology through the use of nanotechnology. Proposed projects should address major barriers in cancer biology and/or oncology using nanotechnology and should emphasize fundamental understanding of nanomaterial interactions with biological systems and/or mechanisms of

their in vivo delivery. NCI will hold a pre-application informational webinar for this FOA. Date, time, and other details will be posted at <http://nano.cancer.gov/phase3info>. Deadline is April 15, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=259747>

**National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U19) Grant**

The purpose of the National Cooperative Drug Discovery/Development Group (NCDDG) Program is to create multidisciplinary research groups or partnerships for the discovery of pharmacological agents to treat and to study mental illness or drug or alcohol addiction. The objectives of this program are to: accelerate innovative drug discovery; develop pharmacologic tools for basic and clinical research on mental disorders, or drug or alcohol addiction; develop and validate tools in support of experimental therapeutic studies of innovative new candidates for mental disorders; and support early phase human clinical testing to rapidly assess the safety and efficacy of promising drug candidates and new indications for IND-ready agents for the treatment of mental disorders or alcohol addiction. This FOA encourages applications to advance the discovery, preclinical development, and proof of concept testing of new, rationally based candidate agents to treat mental disorders or drug or alcohol addiction, and to develop novel ligands as tools to further characterize existing or to validate new drug targets. Partnerships between academia and industry are strongly encouraged. Deadline is February 23, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255559>

**Advancing Research in Voice Disorders (R21) Grant**

This funding opportunity announcement (FOA) seeks Research Project Grant (R21) applications that are focused on advancing our scientific knowledge of the Human Larynx and Human Voice Production in Health and Disease and optimal ways to prevent, evaluate, diagnose and clinically manage voice disorders. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255669>

**Advancing Research in Voice Disorders (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255670>

**HIV Vaccine Vector-Host Interactions: Understanding the Biology and Immunology (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support increased understanding of the biology and immunology of natural viral infections and HIV vaccine vectors. Applications should focus on four vaccine viral vector platforms developed from Adenoviridae, Poxviridae, Herpesviridae, or Adeno-associated viruses in humans or non-human primates (NHPs). Goals of the research include the development of improved safety models to assess the potential vaccine-related effects such as increased HIV infection rates due to immune activated vector-specific HIV target cells (e.g. CD4+ T-cells). Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255129>

**HIV Vaccine Vector-Host Interactions: Understanding the Biology and Immunology (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255130>

**Center for Inherited Disease Research (CIDR) High Throughput Sequencing and Genotyping Resource Access (X01) Grant**

The Center for Inherited Disease Research (CIDR) high-throughput genotyping, sequencing and supporting statistical genetics services are designed to aid the identification of genes or genetic modifications that contribute to human health and disease. The laboratory specializes in genomic services that can't be readily handled by individual investigator laboratories. CIDR provides the most up-to-date platforms, services and statistical genetic support. This is an NIH-wide initiative that is managed by NHGRI. Information about the current services offered can be accessed via: <http://www.cidr.jhmi.edu>. Deadline is July 1, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254768>

**B Cell Help Immunology Program for AIDS Vaccine Strategies (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to: (1) support multidisciplinary projects that define the role(s) played by innate immunity and T cells in shaping the B cell response to HIV-1 antigens; and (2) identify strategies to modulate innate immune mechanisms and T cell differentiation pathways to optimize B cell helper functions for enhancing HIV-1 vaccines and generating long-term memory. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255065>

**NK Cells to Induce Immunological Memory to Prevent HIV Infection (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support multidisciplinary, hypothesis-driven research on Natural Killer (NK) cells, leading to the discovery of pathways relevant for early immune responses and immune regulation impacting the potential protective immunity to be induced by HIV vaccination. Secondary objectives include the development of novel technologies to allow for more definitive studies of human immune monitoring in the context of vaccine clinical trials and the recruitment of innate immunologists to the HIV vaccine field. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255063>

### **Fc Receptor (FcR) and Antibody Effector Function in HIV Vaccine Discovery (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate and support investigator-driven collaborative research to: 1) probe how vaccine elicited antibodies protect against viral acquisition via Fc receptor (FcR) mediated mechanisms; and 2) benchmark functional profiles of vaccines that protect against viral infections to inform advancement of HIV vaccine candidates. This initiative will support basic/pre-clinical research and analysis of clinical samples to evaluate parameters critical for the elicitation of protective FcR antibody effector function. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255053>

### **NIH StrokeNet Clinical Trials and Biomarker Studies for Stroke Treatment, Recovery, and Prevention (U01) Grant**

This FOA encourages applications for multi-site exploratory and confirmatory clinical trials focused on promising interventions, as well as biomarker-or outcome measure validation studies that are immediately preparatory to trials in stroke prevention, treatment, and recovery. Successful applicants may be given access to the NIH StrokeNet infrastructure. Following peer review, NINDS will prioritize trials among the highest scoring to be given access to the StrokeNet infrastructure. The StrokeNet National Coordinating Center (NCC) will work with the successful applicant to implement the proposed study efficiently. The StrokeNet National Data Management Center (NDMC) will provide statistical and data management support. The Regional Coordinating Centers (RCCs) of the StrokeNet and their affiliated clinical sites will provide recruitment/retention support as well as on-site implementation of the clinical protocol. Deadline is March 5, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255213>

### **Complex Technologies and Therapeutics Development for Mental Health Research and Practice (R41/R42) Grant**

The overarching goal of the Small Business Technology Transfer (STTR) program at the National Institute of Mental Health (NIMH) is to support small businesses to develop technologies that can advance the mission of the Institute, including basic neuroscience research relevant to mental disorders, translational and clinical research of mental disorders, clinical diagnosis or treatment of mental disorders, and dissemination of evidence-based mental health care. This FOA encourages STTR grant applications to support research and development of particular priority research topics - complex technologies that require funding levels and durations beyond those reflected in the standard STTR guidelines. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254524>

### **Complex Technologies and Therapeutics Development for Mental Health Research and Practice (R43/R44) Grant**

The overarching goal of the SBIR program at the National Institute of Mental Health (NIMH) is to support small businesses to develop technologies that can advance the mission of the Institute, including in basic neuroscience research relevant to mental disorders, translational and clinical research of mental disorders, clinical diagnosis or treatment of mental disorders, and dissemination of evidence-based mental health care. This FOA encourages SBIR grant applications to support research and development of particular priority research topics - complex technologies that require funding levels and durations beyond those reflected in the standard SBIR guidelines. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254525>

### **Revision Applications for NIDCR-funded Cooperative Agreements (U01) Grant**

This FOA provides a mechanism for the submission of revision applications for active, NIDCR-funded U01 awards. The NIDCR uses the U01 Cooperative Agreement funding mechanism for a variety of projects requiring significant input from and oversight by NIDCR program staff. Although some requests for expansion/redirection of a project that are considered within the scope of the original specific aims can be handled administratively, more substantial changes in direction and increases in funding require peer review. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254209>

### **NIDA Core "Center of Excellence" Grant Program (P30) Grant**

NIDA Core Center of Excellence Grants (P30) are intended to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are encouraged. A P30 should integrate and promote research in existing funded projects, to achieve new and creative directions. It is expected that individual core activities reflect a relationship to the integrating theme of the Center and the Center is expected to support the education, training, and mentoring of new investigators, and share findings, data and their resources. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254208>

#### **Global Infectious Disease Research Training Program (D43) Grant**

This Funding Opportunity Announcement (FOA) encourages applications for the Global Infectious Disease (GID) Research Training Program from U.S. and low- and middle-income country (LMIC) institutions. The application should propose a collaborative research training program that will strengthen the capacity of an LMIC institution to conduct infectious disease (excluding HIV/AIDS and select agents). FIC will support research-training programs that focus on major endemic or life-threatening emerging infectious diseases, neglected tropical diseases, infections that frequently occur as co-infections in HIV infected individuals or infections associated with non-communicable disease conditions of public health importance in LMICs. FIC will also support revisions to existing GID research training grants to support training for LMIC advanced post-doctoral researchers to conduct research on the relationship of infectious disease to chronic disease conditions of public health importance. Deadline is July 29, 2019.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254350>

#### **Exploratory Clinical Trials of Mind and Body Interventions for NCCAM High Priority Research Topics (R34) Grant**

The goal of this funding opportunity is to support early phase clinical trials of mind and body approaches for conditions that have been identified by NCCAM as high priority research topics. This funding opportunity is intended to support exploratory clinical trials, which will provide data that are critical for the planning and design of a subsequent controlled cohort study, clinical efficacy or effectiveness study, or a pragmatic trial. The data collected should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. This FOA is not appropriate for support of randomized clinical trials to test or determine efficacy or effectiveness. Applications that propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial are not appropriate for this announcement. The subsequent larger trial should have the potential to make a significant impact on public health. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254074>

#### **mHealth Tools for Underserved Populations with Chronic Conditions to Promote Effective Patient-Provider Communication, Adherence to Treatment and Self-Management (R01) Grant**

The purpose of this initiative is to stimulate research utilizing Mobile Health (mHealth) tools aimed at the improvement of effective patient provider communication, adherence to treatment and self-management of chronic diseases in underserved populations. With the rapid expansion of cellular networks and substantial advancements in Smartphone technologies, it is now possible - and affordable - to transmit patient data digitally from remote areas to specialists in urban areas, receive real-time feedback, and capture that consultation in a database. These mHealth tools, therefore, may facilitate more timely and effective patient-provider communication through education communication around goal setting, treatment reminders, feedback on patient progress and may improve health outcomes. This announcement encourages the development, testing and comparative effective analysis of interventions utilizing mHealth technologies. There is also an interest in studying mHealth technologies in underserved populations. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254068>

#### **mHealth Tools for Underserved Populations with Chronic Conditions to Promote Effective Patient-Provider Communication, Adherence to Treatment and Self-Management (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254069>

#### **National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U01) Grant**

The purpose of the National Cooperative Drug Discovery/Development Group (NCDDG) Program is to create multidisciplinary research groups or partnerships for the discovery of pharmacological agents to treat and to study mental illness, drug or alcohol addiction. The objectives of this program are to: accelerate innovative drug discovery; develop pharmacologic tools for basic and clinical research on mental disorders, or drug or alcohol addiction; develop and validate tools in support of experimental therapeutic studies of innovative new candidates for mental disorders; and support early phase human clinical testing to rapidly assess the safety and efficacy of promising drug candidates and new indications for IND-ready agents for the treatment of mental disorders or alcohol addiction. This FOA encourages applications to advance the discovery, preclinical development, and proof of concept testing of new, rationally based candidate agents to treat mental disorders or drug or alcohol addiction, and to develop novel ligands as tools to further characterize existing or to validate new drug targets. Partnerships between academia and industry are strongly encouraged. Deadline is February 23, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254115>

#### **NINDS Program Project Grant (P01) Grant**

This funding opportunity announcement (FOA) is issued to enable submission of program project grant applications that propose to conduct innovative, interactive, high impact research. Applications should address significant scientific questions that are important for the mission of NINDS, via a synergistic collaboration between outstanding scientists who might not otherwise collaborate. The program project grant is designed to support research in which the funding of several interdependent highly meritorious projects as a group offers significant

scientific advantages over support of these same projects as individual research grants. Deadline is May 7, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254112>

**Clinical Trial Planning Grant for Interventions and Services to Improve Treatment and Prevention of HIV/AIDS (R34) Grant**

This Funding Opportunity Announcement (FOA invites applications that propose completion of planning, design, and collection of preliminary data in order to 1) support efforts to prevent acquisition and transmission of HIV infection, or to 2) improve treatment and care for persons who are HIV infected, or both 1) and 2). Awards are limited to 3 years and may include 1) the development and/or pilot testing of interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research that require preliminary testing. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254041>

**Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R21) Grant**

This Funding Opportunity Announcement (FOA) seeks to encourage applications that employ innovative research to identify mechanisms of influence and/or promote positive sustainable health behavior(s) in children and youth (birth to age 21). Applications to promote positive health behavior(s) should target social and cultural factors, including, but not limited to: schools, families, communities, population, food industry, age-appropriate learning tools and games, social media, social networking, technology and mass media. Topics to be addressed in this announcement include: effective, sustainable processes for influencing young people to make healthy behavior choices; identification of the appropriate stage of influence for learning sustainable lifelong health behaviors; the role of technology and new media in promoting healthy behavior; identification of factors that support healthy behavior development in vulnerable populations, identification of barriers to healthy behaviors; and, identification of mechanisms and mediators that are common to the development of a range of habitual health behaviors. Given the many factors involved in developing sustainable health behaviors, applications from multidisciplinary teams are strongly encouraged. The ultimate goal of this FOA is to promote research that identifies and enhances processes that promote sustainable positive behavior or changes social and cultural norms that influence health and future health behaviors. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254032>

**Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254033>

**Brain Somatic Mosaicism and its Role in Psychiatric Disorders (Collaborative U01) Grant**

This funding opportunity announcement (FOA) invites Cooperative Agreement (U01) applications from multi-disciplinary and synergistic teams of investigators proposing to identify and characterize the full spectrum of somatic variation in human brain samples and to assess the relationship of such variation with the pathophysiology of neuropsychiatric disorders. This FOA seeks to support applications exploring the extent of somatic variations across different brain regions in one or more psychiatric disorders using state-of-the-art genomic, computational and single-cell approaches. Awards made under this FOA will be governed by a Brain Somatic Mosaicism (BSM) Network Steering Committee to accelerate scientific progress through the coordination of research strategies, analytical methods and data. The ultimate goal of this FOA is to address gaps in our understanding of the role of somatic genomic perturbations in the etiology of neuropsychiatric disorders. Deadline is February 24, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=253629>

**Brain Somatic Mosaicism and its Role in Psychiatric Disorders (U01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=253630>

**Genomic Resource Grants for Community Resource Projects (U41) Grant**

Genomic research has had substantial impact on biomedical research, in large part because of the open sharing of data (often prior to publication) and resources with the greater research community. To facilitate genomic research and the dissemination of its products, NHGRI supports resources that are crucial for disease studies, model organism studies, and other biomedical research. Awards under this FOA will support the development and distribution of genomic resources that will be available to and valuable for the broad research community, using cost-effective approaches. Such resources include (but are not limited to) informatics resources (such as human and model organism databases, ontologies, and coordinated sets of analysis tools), comprehensive identification and collections of genomic features (such as structural variants or functional genomic elements), and standard data types produced for central sets of samples (such as 1000 Genomes or GTEx sample. Deadline is January 25, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254251>

**Feasibility Studies to Build Collaborative Partnerships in Cancer Research (P20) Grant**

This Funding Opportunity Announcement (FOA) invites P20 planning grant applications for the implementation of collaborative partnership awards between Institutions serving communities with cancer health disparities and NCI-

designated Cancer Centers (or Cancer Centers with highly integrated cancer research programs). For the purpose of this FOA, "the Institution(s)" will refer to academic or other organizations serving communities with cancer health disparities. This FOA is designed to facilitate the planning and execution of focused collaborations in cancer-related research, training/career development, and education. A major goal of the NCI P20 partnership awards is to provide support for investigators at the Institutions and Cancer Centers to conduct cancer pilot projects and training and education programs. The pilot projects and programs will allow awardees to obtain preliminary data and lead to competitive grant applications for funding by the NIH/NCI and/or other Federal/Non-Federal agencies. Deadline is March 19, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252361>

**Limited Competition: Centers of Biomedical Research Excellence (COBRE) Phase III - Transitional Centers (P30) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to transition the core resources and biomedical research activities of Centers of Biomedical Research Excellence (COBRE) into independence and sustainability. Deadline is May 26, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254254>

**Exploratory Clinical Trial Grants in Arthritis and Musculoskeletal and Skin Diseases (R21) Grant**

The goal of this FOA is to foster the development and implementation of interventional exploratory clinical trials aimed at providing clinically meaningful improvements in symptoms, function or disease course for patients with rheumatic, musculoskeletal or skin diseases. The trials must address research questions related to the mission and goals of the NIAMS and may evaluate drugs, biologics, devices, or surgical, dietary, behavioral or rehabilitation therapies. This Exploratory Clinical Trials Grants Program is designed to facilitate the execution of creative, short-term interventional studies to obtain the experimental data needed to launch future clinical trials. The proposed trials should strive to investigate new ideas and may use creative trial designs. Proposed studies should focus on research questions that have the potential to contribute critical clinically-relevant data in support of a future, more robust clinical trial, or that can impact and benefit clinical decision making at the patient level. Deadline is March 1, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254258>

**Epidemiology and Prevention in Alcohol Research (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support research investigating the epidemiology of alcohol use, alcohol-related harms, and alcohol use disorders and the prevention of underage drinking, alcohol-related harms, and alcohol use disorders. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254260>

**Epidemiology and Prevention in Alcohol Research (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support research investigating the epidemiology of alcohol use, alcohol-related harms, and alcohol use disorders and the prevention of underage drinking, alcohol-related harms, and alcohol use disorders. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254261>

**Epidemiology and Prevention in Alcohol Research (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support research investigating the epidemiology of alcohol use, alcohol-related harms, and alcohol use disorders and the prevention of underage drinking, alcohol-related harms, and alcohol use disorders. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254262>

**Exploratory Clinical Trials of Mind and Body Interventions for NCCAM High Priority Research Topics (R34) Grant**

The goal of this funding opportunity is to support early phase clinical trials of mind and body approaches for conditions that have been identified by NCCAM as high priority research topics. This funding opportunity is intended to support exploratory clinical trials, which will provide data that are critical for the planning and design of a subsequent controlled cohort study, clinical efficacy or effectiveness study, or a pragmatic trial. The data collected should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. This FOA is not appropriate for support of randomized clinical trials to test or determine efficacy or effectiveness. Applications that propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial are not appropriate for this announcement. The subsequent larger trial should have the potential to make a significant impact on public health. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254074>

#### **Enabling Resources for Pharmacogenomics (R24) Grant**

The purpose of this funding opportunity announcement (FOA) is to support critical enabling resources that will accelerate new research discoveries and/or implementation of research discoveries in pharmacogenomics. A proposed resource must meet an ascertained community demand and benefit the entire scientific field of users. The FOA will support activities that can be clearly and specifically defined, are optimally designed, have evaluative measures built-in, are judiciously staffed, have formed partnerships where appropriate, and ideally have a proven track record and a finite lifetime. The outcome of an enabling resource must be highly impactful in a demonstrable way. Advance consultation with Scientific/Research staff to ensure that a proposed resource fits well with this opportunity is highly encouraged. Deadline is September 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254149>

#### **mHealth Tools for Underserved Populations with Chronic Conditions to Promote Effective Patient-Provider Communication, Adherence to Treatment and Self-Management (R01) Grant**

The purpose of this initiative is to stimulate research utilizing Mobile Health (mHealth) tools aimed at the improvement of effective patient-provider communication, adherence to treatment and self-management of chronic diseases in underserved populations. With the rapid expansion of cellular networks and substantial advancements in Smartphone technologies, it is now possible - and affordable - to transmit patient data digitally from remote areas to specialists in urban areas, receive real-time feedback, and capture that consultation in a database. These mHealth tools, therefore, may facilitate more timely and effective patient-provider communication through education communication around goal setting, treatment reminders, feedback on patient progress and may improve health outcomes. This announcement encourages the development, testing and comparative effective analysis of interventions utilizing mHealth technologies. There is also an interest in studying mHealth technologies in underserved populations. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254068>

#### **mHealth Tools for Underserved Populations with Chronic Conditions to Promote Effective Patient-Provider Communication, Adherence to Treatment and Self-Management (R21) Grant**

The purpose of this initiative is to stimulate research utilizing Mobile Health (mHealth) tools aimed at the improvement of effective patient-provider communication, adherence to treatment and self-management of chronic diseases in underserved populations. With the rapid expansion of cellular networks and substantial advancements in Smartphone technologies, it is now possible - and affordable - to transmit patient data digitally from remote areas to specialists in urban areas, receive real-time feedback, and capture that consultation in a database. These mHealth tools, therefore, may facilitate more timely and effective patient-provider communication through education communication around goal setting, treatment reminders, feedback on patient progress and may improve health outcomes. This announcement encourages the development, testing and comparative effective analysis of interventions utilizing mHealth technologies. There is also an interest in studying mHealth technologies in underserved populations. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254069>

#### **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31) Grant**

The purpose of the Kirschstein-NRSA predoctoral fellowship (F31) award is to enable promising predoctoral students to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training must reflect the applicant's dissertation research project and is expected to clearly enhance the individuals potential to develop into a productive, independent research scientist. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252296>

#### **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252298>

#### **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral MD/PhD or Other Dual-Doctoral Degree Fellowship (Parent F30) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252299>

#### **Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellowship (Parent F33) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252300>

#### **Predoectoral Training in Biomedical Big Data Science (T32) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies



and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. Deadline is July 27, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254152>

#### **Revisions to Add Biomedical Big Data Training to Active NLM Institutional Training Grants in Biomedical Informatics (T15) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to solicit revisions (competitive supplements) to add a Big Data Science track to active T15 institutional training grants for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. Deadline is July 28, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=254154>

#### **Establishing Behavioral and Social Measures for Causal Pathway Research in Dental, Oral and Craniofacial Health (R01) Grant**

The purpose of this funding opportunity announcement is to encourage the establishment of measures of specific behavioral or social phenomena that can be used to test causal hypotheses about behavioral and social contributors to dental, oral or craniofacial diseases. This announcement encourages the development and testing--or the adaptation and testing--of two types of measures: 1) measures of the health behaviors, social interactions, community characteristics, built environments, etc., targeted by behavioral or social interventions to improve oral health; and/or 2) measures of the hypothesized moderators and mediators of a behavioral or social intervention's effect. Regardless of the type of measure being developed, applications should establish reliability and validity of the measure, and demonstrate acceptability of using the measure with the target population. Note that this announcement does not support the conduct of clinical trials, consistent with the NIDCR policy for acceptance, peer review, and funding of clinical trials. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252196>

#### **Establishing Behavioral and Social Measures for Causal Pathway Research in Dental, Oral and Craniofacial Health (R21) Grant**

The purpose of this funding opportunity announcement is to encourage the establishment of measures of specific behavioral or social phenomena that can be used to test causal hypotheses about behavioral and social contributors to dental, oral or craniofacial diseases. This announcement encourages the development and testing--or the adaptation and testing--of two types of measures: 1) measures of the health behaviors, social interactions, community characteristics, built environments, etc., targeted by behavioral or social interventions to improve oral health; and/or 2) measures of the hypothesized moderators and mediators of a behavioral or social intervention's effect. Regardless of the type of measure being developed, applications should establish reliability and validity of the measure, and demonstrate acceptability of using the measure with the target population. Note that this announcement does not support the conduct of clinical trials, consistent with the NIDCR policy for acceptance, peer review, and funding of clinical trials. Deadline is September 16, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252197>

#### **Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R34) Grant**

This Funding Opportunity Announcement outlines priority areas for high impact clinical and basic research for at-risk substance using populations, including those infected with or at risk for HIV. In particular, this FOA encourages research focused on prevention and treatment of Hepatitis C Virus (HCV) to reduce new infections and identify and treat existing infections more effectively. This FOA is informed by priority areas in the 2011 HHS Action Plan, Combating the Silent Epidemic of Viral Hepatitis: Action Plan for the Prevention, Care and Treatment of Viral Hepatitis. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252079>

#### **Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R21) Grant**

This Funding Opportunity Announcement (R21) outlines priority areas for high impact clinical and basic research for at-risk substance using populations, including those infected with or at risk for HIV. In particular, this FOA encourages research focused on prevention and treatment of Hepatitis C Virus (HCV) to reduce new infections and identify and treat existing infections more effectively. This FOA is informed by priority areas in the 2011 HHS Action Plan, Combating the Silent Epidemic of Viral Hepatitis: Action Plan for the Prevention, Care and Treatment of Viral Hepatitis. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252080>

#### **Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R01) Grant**

This Funding Opportunity Announcement (R01) outlines priority areas for high impact clinical and basic research for at-risk substance using populations, including those infected with or at risk for HIV. In particular, this FOA encourages research focused on prevention and treatment of Hepatitis C Virus (HCV) to reduce new infections

and identify and treat existing infections more effectively. This FOA is informed by priority areas in the 2011 HHS Action Plan, Combating the Silent Epidemic of Viral Hepatitis: Action Plan for the Prevention, Care and Treatment of Viral Hepatitis. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252081>

**Community Partnerships to Advance Research (CPAR) (R21) Grant**

This funding opportunity announcement seeks to encourage researchers to partner with communities using Community Engaged Research (CEnR) methodologies that will enhance relationships leading to better interventions and positive health outcomes. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252164>

**Community Partnerships to Advance Research (CPAR) (R01) Grant**

This funding opportunity announcement (FOA) encourages researchers to partner with communities using Community Engaged Research (CEnR) methodologies that will enhance relationships leading to better interventions and positive health outcomes. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252165>

**Initiative for Maximizing Student Development (IMSD) (R25) Grant**

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The goal of this NIGMS R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focus on research experiences, courses for skills development and mentoring activities. Deadline is January 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251915>

**Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19) Grant**

The goal of the IPCAVD Funding Opportunity Announcement (FOA) is to facilitate the translation of sufficiently advanced, innovative and promising vaccine candidates into early clinical testing. The IPCAVD program is designed to enable a multi-disciplinary team of investigators to complete all steps necessary from down-selection of a vaccine candidate through CGMP manufacture/testing/product release and into clinical trials. A preclinical research application alone is not sufficient for this announcement. Awards will provide the critical resources to allow the advancement of vaccine concepts to clinical trials within the first 5 years of the award. However, this funding opportunity will not provide funds for conducting the clinical studies; applicants are encouraged to collaborate with NIAID-supported clinical trial networks or to develop other relationships to support the clinical studies. Investigators are expected to begin clinical studies no later than year five of the award. Deadline is March 13, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252012>

**Targeted Basic Behavioral and Social Science and Intervention Development for HIV Prevention and Care (R01) Grant**

The goal of this funding opportunity announcement (FOA) is to provide a global outline of areas for innovative, targeted basic behavioral and social science research and intervention development research to reduce the number of new HIV infections and improve the overall health of those living with HIV and encourage research grant applications in these areas. This FOA encourages research designed to (a) conduct basic behavioral and social science research that is needed to advance the development of HIV prevention and care interventions, (b) translate and operationalize the findings from these basic studies to develop interventions and assess their feasibility and (c) conduct tests of the efficacy of HIV prevention and care interventions. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251998>

**Targeted Basic Behavioral and Social Science and Intervention Development for HIV Prevention and Care (R21) Grant**

The goal of this funding opportunity announcement (FOA) is to provide a global outline of areas for innovative, targeted basic behavioral and social science research and intervention development research to reduce the number of new HIV infections and improve the overall health of those living with HIV and encourage research grant applications in these areas. This FOA encourages research designed to (a) conduct basic behavioral and social science research that is needed to advance the development of HIV prevention and care interventions, (b) translate and operationalize the findings from these basic studies to develop interventions and assess their feasibility and (c) conduct tests of the efficacy of HIV prevention and care interventions. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251999>

**Improving Delivery of HIV Prevention and Treatment through Implementation Science and Translational Research (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages research designed to increase the public health impact of efficacious HIV/AIDS-related interventions for prevention and treatment. To maximize the public health impact of available interventions, significant progress is needed to advance science designed to get interventions to the men, women, and children who need them. The goals of this scientific agenda are to learn how best to deliver interventions more efficiently and effectively in real-world communities and clinics, to more readily transfer interventions from one setting or population to another, and to make better-informed choices for combination intervention packages. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252000>

#### **Accelerating Improvements in the HIV Care Continuum (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages innovative studies to address gaps in HIV care continuum research. The HIV care continuum has provided a useful framework for tracking progress towards the National HIV/AIDS Strategy (NHAS) HIV-testing and HIV-treatment goals, and helped to guide a growing body of research to better understand and intervene at one or more steps in the continuum. Yet, there are some aspects of entering and remaining in HIV care that are relatively less studied than other areas, and merit urgent attention. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252001>

#### **Improving Delivery of HIV Prevention and Treatment through Implementation Science and Translational Research (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages research designed to increase the public health impact of efficacious HIV/AIDS-related interventions for prevention and treatment. To maximize the public health impact of available interventions, significant progress is needed to advance science designed to get interventions to the men, women, and children who need them. The goals of this scientific agenda are to learn how best to deliver interventions more efficiently and effectively in real-world communities and clinics, to more readily transfer interventions from one setting or population to another, and to make better informed choices for combination intervention packages. Deadline is January 7, 2017

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252002>

#### **Accelerating Improvements in the HIV Care Continuum (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages innovative studies to address gaps in HIV care continuum research. The HIV care continuum has provided a useful framework for tracking progress towards the National HIV/AIDS Strategy (NHAS) HIV-testing and HIV-treatment goals, and helped to guide a growing body of research to better understand and intervene at one or more steps in the continuum. Yet, there are some aspects of entering and remaining in HIV care that are relatively less studied than other areas, and merit urgent attention. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252003>

#### **Advancing Structural Level Interventions Through Enhanced Understanding of Social Determinants in HIV Prevention and Care (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications that propose to understand and address social determinants associated with the prevention and treatment of HIV. This FOA describes two research endeavors that are unique and overlapping. The first is to characterize those social determinants that are most relevant to HIV prevention and treatment outcomes, particularly in their association with inequities in HIV risk or disease outcomes. The second is to develop and test structural interventions aimed at reducing the negative impact or maximizing positive aspects of social determinants. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252004>

#### **Long-Term Retention in Care for U.S. Substance Using Populations (R21) Grant**

Until there is a cure, people living with HIV (PLWH) will have to be retained in care throughout their lives. Therefore, the purpose of this Funding Opportunity Announcement (FOA) is to encourage research on long-term retention in care leading to sustained viral suppression among substance abusers. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255312>

#### **Long-Term Retention in Care for U.S. Substance Using Populations (R01) Grant**

Until there is a cure, people living with HIV (PLWH) will have to be retained in care throughout their lives. Therefore, the purpose of this Funding Opportunity Announcement (FOA) is to encourage research on long-term retention in care leading to sustained viral suppression among substance abusers. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255313>

#### **Clinical Evaluation of Adjuncts to Opioid Therapies for the Treatment of Chronic Pain (R01) Grant**

This announcement aims to fund applications designed to assess the clinical value of adjuncts prescribed to chronic pain patients together with opioid analgesics. Adjuncts of interest are either approved by the FDA or have previously been studied as an Investigational New Drug. Studies with adjuncts of interest should be focused on enhancing analgesia, rather than on reducing an adverse effect. A secondary purpose is to increase awareness

among opioid prescribers of the potential value of adjunctive therapies by focused data dissemination. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255315>

#### **Advancing Structural Level Interventions Through Enhanced Understanding of Social Determinants in HIV Prevention and Care (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages applications that propose to understand and address social determinants associated with the prevention and treatment of HIV. This FOA describes two research endeavors that are unique and overlapping. The first is to characterize those social determinants that are most relevant to HIV prevention and treatment outcomes, particularly in their association with inequities in HIV risk or disease outcomes. The second is to develop and test structural interventions aimed at reducing the negative impact or maximizing positive aspects of social determinants. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252005>

#### **Silvio O. Conte Centers for Basic or Translational Mental Health Research (P50) Grant**

This Funding Opportunity Announcement (FOA) invites applications for Silvio O. Conte Centers for Basic or Translational Mental Health Research. The institute seeks teams of researchers working at different levels of analysis and employing integrative, novel, and creative experimental approaches to address high-risk, high-impact questions with the primary objective of: (a) advancing the state of the science in brain and behavior research that will ultimately provide the foundation for understanding mental disorders; (b) supporting the integration and translation of basic and clinical neuroscience research on severe mental illnesses; and/or (c) advancing our understanding of the neurobehavioral developmental mechanisms and trajectories of psychopathology that begin in childhood and adolescence. The Conte Centers program is intended to support interdisciplinary basic and/or translational research demonstrating an extraordinary level of synergy, integration, and potential for advancing the state of the field. This program is intended only for projects that could not be achieved using other, more standard grant mechanisms. The Conte Centers program also provides an opportunity to establish interdisciplinary basic and/or translational research experiences for individuals in training. Deadline is May 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251864>

#### **Alcohol-Induced Effects on Tissue Injury and Repair (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohols effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohols effect on stem cells, embryonic development, and regeneration. Also encouraged are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251976>

#### **Alcohol-Induced Effects on Tissue Injury and Repair (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohols effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohols effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251977>

#### **Technologies for Healthy Independent Living (R01) Grant**

This FOA encourages Research Project Grant (R01) applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These

systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The development of these technology systems has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions. Deadline is January 7, 2017. <http://www.grants.gov/web/grants/view-opportunity.html?oppld=251858>

#### **Design and Development of Novel Technologies for Healthy Independent Living (R21) Grant**

This FOA encourages Exploratory/ Developmental Research Project (R21) applications for design and development of novel technologies to monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These may be novel sensor or monitoring systems, home-use point-of-care devices, home or mobile therapy or rehabilitation tools, or information systems and should have the goal of fostering healthy and independent living. The development of such technologies has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251857>

#### **Quantitative Imaging for Evaluation of Response to Cancer Therapies (U01) Grant**

This Funding Opportunity Announcement (FOA) invites research project - cooperative agreement (U01) applications which are expected to enhance the value of quantitative imaging (QI) in clinical trials for prediction and/or measurement of response to cancer therapies. One avenue for this enhancement is to emphasize the development, optimization and validation of state-of-the-art QI methods and software tools for potential implementation in single site phase 1 or 2 clinical trials. The second avenue to enhance QI methods is to address the challenges of integrating existing and or new QI methods as required for multicenter phase 3 clinical trials. This may involve evaluation of a range of multimodal imaging approaches, harmonization of image data collection, analysis, display and clinical workflow methods across imaging platforms, or testing their performance across different cancer sites. Deadline is February 5, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251854>

#### **Strengthening Adherence to Antiretroviral-Based HIV Treatment and Prevention (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages research to understand and promote adherence to antiretroviral (ARV) regimens for HIV treatment and prevention. Studies addressing pre-exposure prophylaxis (PrEP) and antiretroviral therapy (ART) are the foci of this FOA. The overarching emphasis is on the development of feasible interventions to improve and sustain PrEP or ART adherence which could be rapidly implemented in clinical, community, and policy environments to improve HIV treatment and prevention outcomes. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251995>

#### **Strengthening Adherence to Antiretroviral-Based HIV Treatment and Prevention (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages research to understand and promote adherence to antiretroviral (ARV) regimens for HIV treatment and prevention. Studies addressing pre-exposure prophylaxis (PrEP) and antiretroviral therapy (ART) are the foci of this FOA. The overarching emphasis is on the development of feasible interventions to improve and sustain PrEP or ART adherence which could be rapidly implemented in clinical, community, and policy environments to improve HIV treatment and prevention outcomes. Deadline is January, 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251996>

#### **First in Human and Early Stage Clinical Trials of Novel Investigational Drugs for Psychiatric Disorders (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage cooperative agreement applications to support early stage clinical trials of novel mechanism of action, investigational drugs or drug candidates for the treatment of psychiatric disorders in areas of unmet medical need. The FOA will support milestone-driven early stage trials in pediatric and adult populations. First in human (FIH) and Phase Ib studies of novel Agents must assess target engagement (brain exposure), pharmacological effects, safety, and tolerability to assess feasibility for Phase II/proof of concept (PoC) studies in psychiatric disorders. PoC studies must evaluate the drugs impact on clinically relevant physiological systems (functional measures) and clinical indicators of effect. The FOA also supports feasibility and pilot studies of novel devices. The overall objective is to facilitate rapid collection of data to "de-risk" novel mechanism of action investigational drugs, novel drugs for use in pediatric populations with psychiatric disorders, devices or combination treatments in order to attract private funding for further clinical development as FDA-approved treatments. A key aspect of this FOA is the formation of collaborative partnerships between the biomedical researchers and biotechnology or industry researchers to facilitate psychiatric drug or device development. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251735>

#### **Synthetic Psychoactive Drugs and Strategic Approaches to Counteract Their Deleterious Effects (R21) Grant**

The purpose of this FOA is to support research to deepen our knowledge of the use of synthetic psychoactive drugs, their mechanisms of action, their health effects, and development of prevention strategies and strategies to treat patients in emergency departments and long range treatment. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251795>

**Synthetic Psychoactive Drugs and Strategic Approaches to Counteract Their Deleterious Effects (R03) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support research to deepen our knowledge of the use of synthetic psychoactive drugs, their mechanisms of action, their health effects, and development of prevention strategies and strategies to treat patients in emergency departments and long range treatment. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251796>

**Synthetic Psychoactive Drugs and Strategic Approaches to Counteract Their Deleterious Effects (R01) Grant**

The purpose of this FOA is to support research to deepen our knowledge of the use of synthetic psychoactive drugs, their mechanisms of action, their health effects, and development of prevention strategies and strategies to treat patients in emergency departments and long range treatment. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251797>

**Administrative Supplements to Existing NIH Grants and Cooperative Agreements (Parent Admin Supp) Grant**

The National Institutes of Health (NIH) hereby notify Program Directors/Principal Investigators (PD(s)/PI(s)) holding specific types of NIH research grants listed in the full Funding Opportunity Announcement (FOA) that funds may be available for administrative supplements to meet increased costs that are within the scope of the approved award, but were unforeseen when the new or renewal application or grant progress report for non-competing continuation support was submitted. Applications for administrative supplements are considered prior approval requests (as described in Section 8.1.2.11 of the NIH Grants Policy Statement) and will be routed directly to the Grants Management Officer of the parent award. Deadline is January 30, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=250656>

**NEI Clinical Vision Research: Resource Center Grant (UG1) Grant**

The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including multi-center clinical trials, human gene-transfer and stem cell therapy studies, and other complex or high-risk clinical vision research studies. These studies are typically funded as either a single grant award with multiple components (e.g., Chair's, Coordinating Center, Clinical Center, Resource Center) or as a group of linked single-component grant awards to separate institutions. This funding opportunity announcement (FOA) encourages applications for single component grant awards. Institutions interested in a multi-component grant should use the companion FOA PAR-14-096. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251278>

**NEI Clinical Vision Research: Chairman's Grant (UG1) Grant**

The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including multi-center clinical trials, human gene-transfer and stem cell therapy studies, and other complex or high-risk clinical vision research studies. These studies are typically funded as either a single grant award with multiple components (e.g., Chair's, Coordinating Center, Clinical Center, Resource Center) or as a group of linked single-component grant awards to separate institutions. This funding opportunity announcement (FOA) encourages applications for single component grant awards. Institutions interested in a multi-component grant should use the companion FOA PAR-14-096. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251279>

**NEI Collaborative Clinical Vision Research Project Grant (U10) Grant**

The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including multi-center clinical trials and other complex or high-risk clinical vision research studies. This funding opportunity announcement encourages applications for the Collaborative Clinical Research Project Grant, which provides the following Components: Overall, Coordinating Center, Chair Admin, Enrollment Center and optional Resource Centers. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251276>

**NIDA Avant-Garde Award Program for HIV/AIDS and Drug Use Research (DP1) Grant**

The NIDA Avant-Garde Award Program for HIV/AIDS Research supports individual scientists of exceptional creativity who propose high-impact research that will open new areas of HIV/AIDS research and/or lead to new avenues for prevention and treatment of HIV/AIDS among drug abusers. The term avant-garde is used to describe highly innovative approaches that have the potential to be transformative. The proposed research should reflect approaches and ideas that are substantially different from those already being pursued by the investigator

or others. The NIDA Avant-Garde award supports innovative, basic research that may lead to improved preventive interventions or therapies; creative, new strategies to prevent disease transmission; novel approaches to improve disease outcomes; and creative approaches to eradicating HIV or improving the lives of those living with HIV. Deadline July 29, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=251321>

#### **Centers for AIDS Research and Developmental Centers for AIDS Research (P30) Grant**

The purpose of this FOA is to invite applications for the Centers for AIDS Research (CFAR) program to provide administrative and shared research support to enhance HIV/AIDS research. Applications are invited for both standard CFARs and for developmental CFARs (D-CFARs). Standard and D-CFARs provide core facilities, expertise, resources, and services not readily obtained otherwise through more traditional funding mechanisms. Additionally, D-CFARs provide support to assist investigators in the development of a competitive standard CFAR. The program emphasizes interdisciplinary collaboration, especially between basic and clinical investigators, translational research between the laboratory and the clinic, inclusion of investigators from diverse backgrounds, and inclusion of prevention and behavioral change research. Deadline is July 28, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249314>

#### **Mentored Patient-Oriented Research Career Development Award (Parent K23) Grant**

The purpose of the NIH Mentored Patient-Oriented Research Career Development Award (K23) is to support the career development of individuals with a clinical doctoral degree who have made a commitment to focus their research endeavors on patient-oriented research. Individuals with a clinical degree who are interested in further career development in biomedical research other than patient-oriented research should refer to the Mentored Clinical Scientist Career Development (Parent K08) Award. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249360>

#### **Mentored Quantitative Research Development Award (Parent K25) Grant**

The purpose of the Mentored Quantitative Research Career Development Award (K25) is to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The K25 award will provide support and protected time for a period of supervised study and research for productive professionals with quantitative (e.g., mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249359>

#### **Midcareer Investigator Award in Patient-Oriented Research (Parent K24) Grant**

The purpose of the NIH Midcareer Investigator Award in Patient-Oriented Research (K24) is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249358>

#### **Mentored Clinical Scientist Research Career Development Award (Parent K08) Grant**

The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (Parent K23). Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249357>

#### **Independent Scientist Award (Parent K02) Grant**

The purpose of the NIH Independent Scientist Award (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides three, four, or five years of salary support and protected time for newly independent (see IC provisions) scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249356>

#### **Mentored Research Scientist Development Award (Parent K01) Grant**

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in the

biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. Other ICs utilize the K01 award to increase research workforce diversity by providing enhanced research career development opportunities. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249355>

#### **NIH Pathway to Independence Award (Parent K99/R00) Grant**

The purpose of the NIH Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented, NIH-supported, independent investigators. This program is designed to facilitate a timely transition of outstanding postdoctoral researchers from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions, and to provide independent NIH research support during the transition that will help these individuals launch competitive, independent research careers. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249354>

#### **Genetic Susceptibility & Variability of Human Structural Birth Defects (R01) Grant**

The purpose of this funding opportunity announcement (FOA) is to support innovative investigator-initiated R01 applications using animal models in conjunction with translational/clinical approaches that take advantage of advances in genetics, biochemistry, molecular, and developmental biology to identify the specific genetic, epigenetic, environmental, or gene/environment interactions associated with the susceptibility to and variability of structural birth defects in human populations. Applicants funded through this FOA will join the NICHD Birth Defects Working Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NIHCD's Birth Defects Initiative. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249656>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to advance research on male-females differences in drug and alcohol abuse and addiction and on factors specific to women. Both human and animal model studies are sought. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249159>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R03) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249160>

#### **Women & Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249161>

#### **Centers of Biomedical Research Excellence (COBRE) (P20) Grant**

The National Institute of General Medical Sciences (NIGMS) invites applications for Centers of Biomedical Research Excellence (COBRE) from investigators at biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health or at independent biomedical research institutes within Institutional Development Award (IDeA) eligible states. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic multi-disciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grant or other external peer-reviewed support. COBRE awards are supported through the IDeA Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH. Deadline is January 28, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249157>

#### **Reducing Health Disparities Among Minority and Underserved Children (R21) Grant**

This initiative encourages research that targets the reduction of health disparities among children. Specific targeted areas of research include biobehavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test and evaluate the comparative effectiveness of health promotion interventions conducted in traditional and nontraditional settings. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249153>

#### **Reducing Health Disparities Among Minority and Underserved Children (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249154>

#### **Support of Competitive Research (SCORE) Research Advancement Award (SC1) Grant**



The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and research base of institutions with a historical mission or demonstrated commitment to training students from backgrounds underrepresented in biomedical research. In addition, eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received on average less than 6 million dollars (total cost) per year of NIH R01 support in the last 2 fiscal years. Deadline is September 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249046>

**Support of Competitive Research (SCORE) Pilot Project Award (SC2) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249047>

**Support of Competitive Research (SCORE) Research Continuance Award (SC3) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249048>

**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32) Grant**

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nations biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development components to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training (see PA-14-016). Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249041>

**Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (Parent T35) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249043>

**Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01) Grant**

This FOA encourages applications for research projects that identify and/or validate chromosomal loci and variations in genes that are associated with vulnerability to addiction and that inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data. Data may be collected from the general population, special populations, recent admixed populations, and/or animal models. Secondary data analysis of data collected from the general population, special populations, recent admixed populations, and/or animal models is also appropriate for this announcement. Investigators are encouraged to include, as a component of their project and as appropriate, gene x gene interactions, gene x environment interactions, gene x environment x development interactions, pharmacogenetics, and non-human models. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249078>

**Pre-application for a Biomedical Technology Research Center (X02) Grant**

This announcement encourages pre-applications for the creation of national Biomedical Technology Research Resources (BTRRs). These Resources develop new or improved technology driven by the needs of basic, translational, and clinical researchers. The BTRRs are charged to make their technologies available the biomedical research community, to train members of this community in the use of the technologies, and to disseminate both the technologies and the Resources experimental results broadly. A detailed description of the required components of a BTRR can be found in PAR-14-021. A pre-application is a helpful first step toward submitting a full BTRR application for a new Resource, because the Resources and corresponding full applications are very complex. A pre-application can help applicants focus and refine their ideas and determine whether a BTRR is the appropriate means to support the work they have in mind, but is not required. Existing Resources are not required to submit a pre-application prior to submitting a competitive renewal. No awards will be made under this announcement. Deadline is May 16, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249075>

**Biomedical Technology Research Resource (P41) Grant**

This funding opportunity announcement (FOA) encourages grant applications for national Biomedical Technology Research Resources. These Resources conduct research and development on new technologies and new/improved instruments driven by the needs of basic, translational, and clinical researchers. The Resources are charged to make their technologies available, to train members of the research community in the use of the technologies, and to disseminate these technologies and the Resources experimental results broadly. New

applicants are strongly encouraged to submit a pre-application to PAR-14-023. The pre-application process provides feedback regarding the appropriateness for this program and competitiveness of a potential application. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249074>

#### **Chronic Illness Self-Management in Children and Adolescents (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249127>

#### **Chronic Illness Self-Management in Children and Adolescents (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249128>

#### **Basic Mechanisms of Brain Development for Substance Use and Dependence (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications from institutions/organizations that propose to study the developing brain or brain areas that play significant roles in mediating emotional and motivated behavior and in substance use and dependence. All stages of brain development are of interest, but a new emphasis of the current reissue of this initiative is to support basic neuroscience research on fundamental mechanisms of brain development during prepuberty and the adolescent period in relation to the problems of substance abuse and co-morbidity with psychiatric disorders. Topics of interest pertaining to brain development of this initiative include, but are not limited to, the euphoric properties of abused substances, actions of psychotherapeutic agents, and their consequences on memory, cognitive and emotional processes. An additional major goal of this initiative is to understand how exposure to substances of abuse affects the cellular and molecular mechanisms underlying nervous system development and neural circuit functions implicated in substance use and addiction. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249117>

#### **Juvenile Protective Factors and Their Effects on Aging (R03) Grant**

The purpose of this FOA is to invite pilot/feasibility (R03) projects on: 1) descriptive studies to identify putative juvenile protective factors, 2) experimental studies to test hypotheses about their effects on aging and 3) translational studies to explore the potential risks and benefits of maintaining or modulating the level of juvenile protective factors in adult life. Juvenile protective factors are physiological factors that maintain or enhance certain functions across all or some stages of post-natal maturation, but which diminish or disappear during transitions between developmental stages (e.g., infancy, adiposity rebound, adrenarche, puberty, growth cessation). This FOA is uniquely focused on studies which involve comparisons between post-natal developmental stages or pre- vs. post-maturational changes to identify potential juvenile protective factors and their effects on aging. Pilot studies in *in vitro* models, in laboratory animals or in humans may be proposed. Deadline is July 16, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=249116>

#### **Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Abuse (R01) Grant**

Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genetic and genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=248925>

#### **Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Abuse (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=248926>

#### **Animal and Biological Material Resource Centers (P40) Grant**

This FOA encourages grant applications for national Animal Model, and Animal and Biological Material Resource Centers. These Centers provide support for special colonies of laboratory animals, as well as other resources such as reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community. The resource centers for Animal and Biological Materials collect, maintain, characterize, and distribute defined strains of animals and/or related biological materials to biomedical investigators in a variety of research areas on a local, regional, national and international basis. This funding opportunity is designed to both support continuation of existing resources, and to develop new ones when appropriate. Prior to preparing an

application, all applicants are strongly encouraged to consult with Program staff to be advised on appropriateness of the intended resource plans for this program, competitiveness of a potential application and ORIP's program priorities. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=248093>

**Seeding Collaborations for Translational Research to Discover and Develop New Therapies for Diseases and Conditions within NIDDK's Mission (Revisions) (R01) Grant**

The purpose of this funding opportunity announcement (FOA) is to seed collaborations that enable translational research for the discovery and development of therapies for diseases and conditions of interest to NIDDK. The FOA encourages collaborations through revisions to active NIDDK R01 research project grants. The revision allows the Program Director/Principal Investigator (PD/PI) to propose an expansion of the specific aims to develop collaborations and approaches that facilitate translational research on target identification, early-stage pharmacological validation of targets and pre-therapeutic leads, lead optimization, and limited pre-clinical development. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=248074>

**Agency for Health Care Research and Quality Advances in Patient Safety through Simulation Research (R18) Grant**

The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care serves multiple purposes. As a training technique, it exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, standardized patients or other forms, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Yet another application of simulation focuses on the establishment of valid and reliable measures of clinical performance competency and their potential use for credentialing and certification purposes. Applications that address a variety of simulation techniques, clinical settings, provider groups, priority populations, patient conditions, and threats to safety are welcomed. Deadline is September 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=248073>

**Agency for Health Care Research and Quality Advancing Patient Safety Implementation through Safe Medication Use Research (R18) Grant**

AHRQ's Patient Safety (PS) Portfolio is addressing patient safety and medication research by focusing on the safe usage of medications. This perspective centers on how medications move through the health care system and how this systemic process can be improved so that patients are not harmed, while health care delivery is improved. The PS Portfolio encourages the involvement of all members of the health care team, especially patients, and families; nurses, pharmacists, technicians (pharmacy and medication administration technicians), health care administrators, risk managers, and physicians) across all settings of care (including in the home) as well as the home). Deadline is September 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=247638>

**Agency for Health Care Research and Quality Exploratory and Developmental Grant to Improve Health Care Quality through Health Information Technology (IT) (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to fund exploratory and developmental research grants that will contribute to the evidence base of how health IT improves health care quality. This FOA supports the use of a wide variety of research designs in order to generate information regarding the design and development, implementation, use, or impact of health IT on quality. Depending on the research design and intent of the project, applicants may receive support for: (1) pilot and feasibility or self-contained health IT research projects; (2) secondary data analysis of health IT research; or (3) economic (prospective or retrospective) analyses of a health IT project. Each grant application must clearly state which type of the three types of studies is being proposed. Deadline is November 16, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=247579>

**New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (Collaborative R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform the identification and validation of potential targets for novel treatment development. This FOA should be used when two or more sites

are needed to complete the study. For a linked set of collaborative R01s, each site must have its own Program Director/Principal Investigator and the set of linked applications provide a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=247577>

**New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=247578>

**Indo-US Collaborative Program on Affordable Medical Devices (R03) Grant**

The goal of this funding opportunity announcement is to (i) foster joint activities between US and Indian scientists on affordable diagnostic and therapeutic technologies, and (ii) address medical needs in low-resource settings, taking advantage of opportunities and technological advances, to aid the development of appropriate affordable medical devices. To address needs and opportunities, Indian and U.S. scientists will undertake a coordinated program that will involve collaborative, peer-reviewed research and technology development projects.

Collaboration between engineers and scientists in the U.S. and India will be based on mutual benefit, trust, and a shared commitment to development of diagnostic or therapeutic technologies for people in low-resource settings. Deadline is May 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=247574>

**NINDS Research Education Programs for Residents and Fellows in Neurology, Neurosurgery, Neuropathology, Neuroradiology and Emergency Medicine (R25) Grant**

This FOA invites Research Education Grant (R25) applications from institutions/organizations to support the development and/or implementation of programs that relate to research education and preparation of clinical residents and fellows that will foster careers as physician-scientists. The PD/PI must have a staff appointment in a Department of Neurology, Neurosurgery or Pathology. Participants in the research education program must be residents or fellows, typically in neurology, neurosurgery, neuropathology, neuroradiology, anesthesiology or emergency medicine, who will conduct research within the mission of NINDS. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. Accordingly, the NIH continues to encourage institutions to diversify their faculty populations and thus to increase the participation of individuals currently underrepresented in the biomedical, clinical, behavioral, and social sciences such as individuals from underrepresented racial and ethnic groups, and individuals with disabilities. PDs/PIs are encouraged to consider participants from diverse backgrounds for this funding opportunity. Deadline is January 25, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=246693>

**Replication of Key Clinical Trials Initiative (U01) Grant**

In response to the significant need to replicate influential behavioral and pharmacological clinical trials of therapeutic approaches to the treatment of Alcohol Use Disorders and alcoholic liver disease, this Funding Opportunity Announcement (FOA) invites applications for a limited number of Cooperative Agreements (U01) for the purpose of conducting replication studies of key single-site proof of concept clinical trials of a behavioral or pharmacologic nature. Deadline is January 14, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=246473>

**Administrative Supplements to NIH Awards for Validation Studies of Analytical Methods for Natural Products (Admin Supp) Grant**

This Funding Opportunity Announcement (FOA) announces an administrative supplement program to provide funds to NCI- and NIDDK-supported research projects for validation studies of new analytical chemistry methods. These methods must have been developed or be under development by the awardees during the active parent grant. They must be methods used to identify and quantify constituents (bioactive and other chemical marker constituents and/or their metabolites, adulterants, or contaminants) in products intended for oral administration in humans or in biological specimens such as urine, plasma, or animal tissues. As test agents the products studied may be investigated in vitro or in vivo. The products under investigation in parent grants may be dietary supplements (including vitamins or other bioactive compounds), foods, and other orally administered natural products or their raw source materials. Deadline is October 31, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=245333>

**Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R21) Grant**

The goal of this funding opportunity announcement is to support the development of well-founded outcome measures, including establishing their reliability and validity, for clinical studies of oral and craniofacial diseases and conditions. Deadline September 7, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=245173>

**Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=245174>

**NIBIB Biomedical Technology Resource Centers (P41) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=244613>

**Nutrigenetics and Nutrigenomics Approaches for Nutrition Research (R01) Grant**

The main objective of this Funding Opportunity Announcement (FOA) is to promote application of nutrigenetics and/or nutrigenomics approaches to nutrition research through collaborative interaction among nutrition researchers and experts in omics technologies. Deadline is March 22, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=244593>

**Parkinson's Disease Biomarker Program (PDBP) Discovery Projects (U01) Grant**

The purpose of this funding opportunity announcement (FOA) is to support up to three years of study for the discovery, assay optimization, and replication stages required for the development of biological biomarkers for Parkinsons disease (PD). It is expected that studies funded under this FOA will integrate with and enhance the NINDS Parkinson's Disease Biomarker Program (PDBP). Discovery or pilot projects may use samples from either the PDBP or other extant biospecimens and data, as long as consent for the extant biospecimens and data enables deposition of all data into the PDBP Data Management Resource (DMR). It is expected that the replication stage study will use PDBP biospecimens and data. This FOA is only for studies related to human biomarkers; animal or other disease model studies are not appropriate for this FOA. A timeline including milestones is required for all studies. Annual milestones will provide clear indicators of a project's continued success or emergent difficulties and will be used to evaluate the application not only in peer review but also in consideration of the awarded project for funding of non-competing award years. Deadline is May 4, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=257849>

**Modeling Social Behavior (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=244493>

**NEI Translational Research Program (TRP) on therapy for Visual Disorders (R24) Grant**

The National Eye Institute (NEI) announces the reissue of PAR-10-281, "Translational Research Program (TRP) on Therapy for Visual Disorders". This program focuses on the development of novel therapies to treat visual diseases and disorders. In the context of this program, an expert develops a multi-disciplinary research team that applies an integrative approach to develop rapid and efficient translation of innovative laboratory research findings into clinical therapeutic development. It involves collaborative teams of scientists and clinicians with expertise in multiple disciplines, operating according to a clear leadership plan. Such a collaborative approach is particularly appropriate for research focused on pathways that will likely be targeted by biological intervention, such as gene therapy, cell-based therapy, and pharmacological approaches. The intention of this program is to make resources available to scientists from several disciplines to address scientific and technical questions that would be beyond the capabilities of any one research group. Deadline is January 28, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243946>

**Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R03) Grant**

This funding opportunity announcement (FOA) spans across the missions of several NIH Institutes and Centers (ICs) and Offices, and includes basic neuroscience and basic behavioral research, clinical and translational studies, intervention development at the individual, family and community level, efficacy trials of interventions based on evidence from basic and translational studies, and research to identify the best ways to disseminate and implement efficacious and evidence-based interventions in real-world settings. While this FOA covers all of the areas mentioned above, particular consideration will be given to applications that propose studies of the intersection that focus on the various types of violence (homicide, suicide, youth and gang-related, intimate partner) and firearms. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243894>

**Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243895>

**Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243896>

**Development of Assays for High-Throughput Screening for Use in Probe and Pre-therapeutic Discovery (R01) Grant**

The participating NIH Institutes and Centers invite Research Project Grant (R01) applications to develop assays for high throughput screening (HTS) for use in Probe and Pre-therapeutic Discovery. Through this FOA, NIH wishes to stimulate research in 1) developing assays for specific biological targets and disease mechanisms relevant to the mission of participating NIH Institutes with the intent to screen for small molecule compounds that show potential as probes for use in advancing knowledge about the known targets, identifying new targets, or as pre-therapeutic leads; and 2) establishing collaboration with screening centers that have the requisite expertise and experience needed in implementation of HTS assays for the discovery and development of small molecule chemical probes. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243833>

**Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes Prevention and Care (R34) Grant**

The purpose of this Planning Grant (R34) is to support research to develop and pilot test approaches to improve diabetes treatment and prevention in existing healthcare settings. Applications should pilot test practical and potentially sustainable strategies, delivered in routine clinical care settings, to improve processes of care and health outcomes of individuals who are at risk for or have diabetes. The goal is that, if the pilot study shows promise, the data from the R34 will be used to support a full scale trial that could improve routine clinical practice and inform policy in representative healthcare settings. Deadline is November 1, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243816>

**Pragmatic Research in Healthcare Settings to Improve Diabetes Prevention and Care (R18) Grant**

The purpose of this Research Demonstration and Dissemination Projects (R18) Funding Opportunity Announcement (FOA) is to support research to test approaches to improve diabetes treatment and prevention in existing healthcare settings. Applications are sought that test practical and potentially sustainable strategies, delivered in routine clinical care settings, to improve processes of care and health outcomes of individuals who are at risk for or have diabetes. The goal is that the research results will improve routine clinical practice and inform policy in representative healthcare settings. Deadline is November 1, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243815>

**Neuroimmune Mechanisms of Alcohol Related Disorders (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/organizations that propose to study the neuroimmune mechanisms of alcohol related disorders. Studies using animal models and post-mortem human alcoholic brains suggest that alcohol exposure alters the neuroimmune system in the brain. However, it remains unclear how the altered neuroimmune signaling contributes to brain functional and behavioral changes associated with alcohol dependence. Recent studies reveal that neuroimmune molecules are expressed in neurons and glia, and play an important role in modulating synaptic function, neurodevelopment, and neuroendocrine function. These neuromodulatory properties, together with their essential roles in neuroinflammation, provide a new frame work to understand the role of neuroimmune factors in mediating neuroadaptation and behavioral phenotypes associated with alcohol use disorders. Studies supported by this FOA will provide fundamental insights of neuroimmune mechanisms underlying brain functional and behavioral changes induced by alcohol. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252084>

**Neuroimmune Mechanisms of Alcohol Related Disorders (R01) Grant**

This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to study the neuroimmune mechanisms of alcohol-related disorders. Studies using animal models and post-mortem human alcoholic brains suggest that alcohol exposure alters the neuroimmune system in the brain. However, it remains unclear how the altered neuroimmune signaling contributes to brain functional and behavioral changes associated with alcohol dependence. Recent studies reveal that neuroimmune molecules are expressed in neurons and glia, and play an important role in modulating synaptic function, neurodevelopment, and neuroendocrine function. These neuromodulatory properties, together with their essential roles in neuroinflammation, provide a new frame work to understand the role of neuroimmune factors in mediating neuroadaptation and behavioral phenotypes associated with alcohol use disorders. Studies supported by this FOA will provide fundamental insights of neuroimmune mechanisms underlying brain functional and behavioral changes induced by alcohol. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=252085>

**Evaluating Natural Experiments in Healthcare to Improve Diabetes Prevention and Treatment (R18) Grant**

The purpose of this Research Demonstration and Disseminations Projects (R18) Funding Opportunity Announcement (FOA) is to support research to evaluate large scale policies or programs related to healthcare delivery that are expected to influence diabetes prevention and care. This FOA is not intended to support the initiation and delivery of new policies or programs. Research support is for the evaluation of the effectiveness of healthcare programs and/or policies implemented independent of NIH grant funding. The goal is to support research that meaningfully informs clinical practice and health policy related to prevention or management of diabetes. Deadline is November 1, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243814>

**Nutrition and Alcohol-Related Health Outcomes (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243458>

**Nutrition and Alcohol-Related Health Outcomes (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243459>

**Nutrition and Alcohol-Related Health Outcomes (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease. Deadline is May 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243457>

**Neurological Sciences Academic Development Award (K12) Grant**

The purpose of the NINDS Neurological Sciences Academic Development Award (NSADA K12) is to facilitate and support the research career development of pediatric neurologists at educational institutions or professional organizations who have made a commitment to independent research careers. The NSADA program is intended to provide three consecutive years of support to individuals to provide them with the knowledge, tools and research experience that will enable them to transition to significant, individually-supported research. Deadline is October 12, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243456>

**Opportunities for Collaborative Research at the NIH Clinical Center (U01) Grant**

The goal of this program is to support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. It encourages high quality science demonstrating the potential to result in understanding an important disease process or lead to new therapeutic interventions, diagnostics, or prevention strategies within the research interests and priorities of the participating NIH Institutes/Centers (ICs). Deadline is March 20, 2015.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243235>

**Advancing the Science of Geriatric Palliative Care (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages research grant applications focused on palliative care in geriatric populations. This FOA emphasizes studies in a variety of settings including ambulatory care, hospitals (and specific sites within hospitals including specialty wards, intensive care units and emergency departments), assisted living facilities, and short- and long-term care facilities; however, hospice and end-of-life settings are not included within the scope of this FOA, as they are the subject of other NIH programs. Rather, this FOA highlights research on palliative care in settings and at time points earlier in geriatric patients' disease or disability trajectories. Types of studies may include observational, quasi-experimental, or interventional studies using primary data collection and/or secondary analyses. Leveraging on-going cohorts, intervention studies, networks, data and specimen repositories, and other existing resources and infrastructure are encouraged. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243113>

**Advancing the Science of Geriatric Palliative Care (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243114>

**Advancing the Science of Geriatric Palliative Care (R03) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=243115>

**Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM) (R21/R33) Grant**

This Funding Opportunity Announcement (FOA) seeks to facilitate the entry of new-to-NIH investigators into basic chemistry research applied to drug abuse and addiction. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=242294>

**NIH Support for Conferences and Scientific Meetings (Parent R13/U13) Grant**

The purpose of the NIH Research Conference Grant (R13) and NIH Research Conference Cooperative Agreement (U13) Programs is to support high quality conferences that are relevant to the public health and to the scientific mission of the participating Institutes and Centers. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=242277>

**Sustained Release of Antivirals for Treatment and Prevention of HIV (SRATP) (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage grant applications that address the long term goal and objective of developing sustained release strategies for HIV treatment or prevention. Applications may propose treatment or prevention products delivered using sustained release platforms (oral, injection, implant or direct delivery to HIV target mucosa) that will provide a minimum of one week (treatment) or one month (prevention) of efficacy/protection. Deadline is January 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=242276>

**NIDCR Small Grant Program for New Investigators (R03) Grant**

This NIDCR Small Grant Program for New Investigators supports basic and clinical research conducted by scientists who are in the early stages of establishing an independent research career in oral, dental, and craniofacial research. This R03 grant mechanism supports pilot or feasibility studies and developmental research projects with the intention of obtaining sufficient preliminary data for a subsequent investigator-initiated Research Project Grant (R01) application. Clinical trials of any phase will not be supported by this FOA. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=242274>

**NeuroNEXT Clinical Trials (U01) Grant**

This FOA encourages applications for exploratory clinical trials of investigational agents (drugs, biologics, surgical therapies or devices) that may contribute to the justification for and provide the data required for designing a future trial, for biomarker validation studies, or for proof of mechanism clinical studies. Deadline is December 3, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=241456>

**Revision Requests for Active Alzheimer's Disease Core Centers (P30) Grant**

The National Institute on Aging invites revision applications (formerly called competing supplements) to ongoing NIA-supported Alzheimer's Disease Core Centers (P30) in order to expand the scope of the existing award. Revision applications may propose a new core or changes to an existing core. Revision applications may not request support beyond the end date of the Parent P30 award. Deadline is January 7, 2017.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=241455>

**Bridges to Baccalaureate Program (R25) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Education Grant (R25) applications that propose research education programs intended to enhance the pool of community college students from diverse backgrounds nationally underrepresented in biomedical and behavioral sciences who go on to research careers in the biomedical and behavioral sciences, and will be available to participate in NIH-funded research. Deadline is September 25, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239898>

**NHLBI Program Project Applications (P01) Grant**

This Funding Opportunity Announcement (FOA), issued by the National Heart, Lung, and Blood Institute (NHLBI) invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NHLBI mission including the biology and diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders. Each P01 application submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239369>

**Revisions to P50 Awards for Research on Detection of Pathogen-Induced Cancer (DPIC) (P50) Grant**

This Funding Opportunity Announcement (FOA) invites revision applications (formerly called "competing revisions") from currently funded NIH P50 Center. These revision applications are expected to focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive



cancer. Studies proposed in the revision applications must correspond to an additional project expanding the scope of the entire parent P50 award. Deadline is December 11, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239365>

**Revisions to P01 Awards for Research on Detection of Pathogen-Induced Cancer (DPIC) (P01) Grant**

This Funding Opportunity Announcement (FOA) invites revision applications (formerly called "competing revisions") from currently funded NIH P01 program projects. These revision applications are expected to focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive cancer. Studies proposed in the revision applications must correspond to a new research project expanding the scope of the parent Program Project grant. Deadline is December 11, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239363>

**Advanced Development of Informatics Technology (U24) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement (U24) applications for advanced development and enhancement of emerging informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge in cancer research. Deadline is June 18, 2015.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239361>

**Exploratory/Developmental Investigations on Primary Immunodeficiency Diseases (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory/developmental investigations in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases. Investigators who have not received independent NIH funding or independent NIH funding in this field are encouraged to apply to this FOA. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239357>

**Small Grants on Primary Immunodeficiency Diseases (R03) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support small grants in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for, primary immunodeficiency diseases. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239356>

**NIH Exploratory/Developmental Research Grant Program (Parent R21) Grant**

The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. The R21 activity code is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239083>

**NIH Small Research Grant Program (Parent R03) Grant**

The National Institutes of Health (NIH) Investigator-Initiated Small Research Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. The R03 activity code supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239082>

**Research Project Grant (Parent R01) Grant**

The Research Project Grant (R01) supports a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on descriptions of their programs. Deadline is September 7, 2016.  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239080>

**Research Centers in Injury and Peri-operative Sciences (P50) Grant**

The National Institute of General Medical Sciences (NIGMS) encourages grant applications from institutions/organizations for Research Centers in Injury and Peri-operative Sciences (RCIPS). The program is meant to provide support to 1) improve understanding at all levels of the biological processes invoked after traumatic or burn injury, or in critically ill patients, including molecular and cellular, physiological, and multilevel integration of homeostatic loss and recovery, including pertinent aspects of wound healing; and 2) foster translational research, bringing basic scientific observations and principles into the clinical arena and using clinical observations to generate or validate mechanistic hypotheses. Applications should be built around a common theme for investigation. RCIPS applications may include interventional studies only if there is connection, harmonization and synergy with the biological and physiological processes under investigation. An application that solely proposes an interventional clinical trial would not be appropriate for this funding mechanism. Contact with the NIGMS program official at initial stages of program planning is strongly encouraged. Deadline is September 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239074>

#### **Gut Microbiota-Derived Factors in the Integrated Physiology and Pathophysiology of Diseases within NIDDK's Mission (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage investigator-initiated multidisciplinary R01 research projects to define interactions between the host and the gut microbiota that regulate normal physiology and pathophysiology of diseases within NIDDK's mission. The goal of the research projects is to discover specific human gut microbiota-derived factors that affect or are affected by host physiology (including diet/nutrition), homeostasis, and disease pathophysiology. Proposed projects will also define the specific interactions and pathways by which microbiota-derived factors affect host processes within the gut and/or at distant organ sites. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239073>

#### **Translational Research in Pediatric and Obstetric Pharmacology and Therapeutics (R01) Grant**

The purpose of this funding opportunity announcement (FOA) is to encourage applications for translational and clinical research as well as clinical trials that will advance our knowledge about the underlying mechanisms of drug action, response, and safety in children at various developmental stages, and in pregnant women and the developing fetus. The overall goals of the FOA are to improve the safety and effectiveness of current drugs for pediatric or obstetric patients, and to enhance the development of new drugs or a safer usage of the existing drugs for tailored therapies to meet emerging clinical needs for these special populations. Deadline is August 16, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239293>

#### **Translational Research in Pediatric and Obstetric Pharmacology and Therapeutics (R03) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239294>

#### **Translational Research in Pediatric and Obstetric Pharmacology and Therapeutics (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239295>

#### **Biomarkers: Bridging Pediatric and Adult Therapeutics (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is not part of this FOA. Also excluded are biomarkers for diseases that are unique to children and have no adult correlates. Deadline is September 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239015>

#### **Biomarkers: Bridging Pediatric and Adult Therapeutics (R21) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239016>

#### **Biomarkers: Bridging Pediatric and Adult Therapeutics (R01) Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=239017>

#### **The Role of the Cytoskeleton in Cellular Aging (R21/R33) Grant**

The purpose of this FOA is to stimulate the development of innovative research strategies aimed at increasing the understanding of the molecular and cellular changes in the cytoskeleton that occur during the aging process. Applications considering the effect of age on factors such as cytoskeleton structure and function, the impact of the cytoskeleton on intracellular organelle interactions, and signaling or regulatory molecules controlling cellular architecture are encouraged. There is also interest in studying the role of the cytoskeleton in nuclear-cytoplasmic communications, and in spatio-temporal relationships during the aging process and in age-related diseases. Deadline is September 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=238999>

#### **NLM Express Research Grants in Biomedical Informatics (R01) Grant**

The National Library of Medicine (NLM) offers support for innovative research in biomedical informatics. The scope of NLM's interest in the research domain of informatics is interdisciplinary, encompassing informatics problem areas in the application domains of health care, public health, basic biomedical research, bioinformatics, biological modeling, translational research and health information management in disasters. NLM defines biomedical informatics as the science of optimal organization, management, presentation and utilization of information relevant to human health and biology. Informatics research produces concepts, tools and approaches that advance what is known in the field and have the capacity to improve human health. Deadline is September 7, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=238997>

#### **NINDS Exploratory Clinical Trials (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address research questions related to the mission and goals of the NINDS and may evaluate drugs, biologics, devices, or surgical, behavioral or rehabilitation therapies. Information about the mission, strategic plan and research interests of the NINDS can be found at the NINDS website

(<http://www.ninds.nih.gov/>). Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238162>

#### **NLM Career Development Award in Biomedical Informatics (K01) Grant**

The purpose of the NLM Career Development Award (K01) in Biomedical Informatics is to provide support and "protected time" (up to three years) for an intensive career development experience in biomedical informatics leading to research independence. NLM invites K01 applications from junior investigators, who have either a health professional or research doctorate and who are in the first two years of their initial position, at an assistant professor level (or equivalent). Candidates who received their training at one of NLM's university-based biomedical informatics training programs are encouraged to apply. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238303>

#### **NEI Audacious Goals Initiative in Vision Research High Priority Research Area: Molecular Therapies for Eye Disease (R01) Grant**

The NEI Audacious Goals Initiative identified as a high priority research area the development of new treatments for eye disease using molecular approaches. The purpose of this Funding Opportunity Announcement is to encourage submission of new, innovative projects directed to exploring this area by developing treatments through: 1) the control, modification, and delivery of genetic information; or 2) through the development of small molecules and optogenetic approaches to treat eye disease and to restore sight. Applications may address treatment of disease in any portion of the visual system. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research. It is appropriate to propose small, multidisciplinary teams applying an integrative approach to solve these problems. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238302>

#### **Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21) Grant**

This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238277>

#### **Systemic Amyloidosis: Basic, Translational, and Clinical Research (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite qualified basic science and clinical investigators to submit applications for research projects designed to advance the understanding of pathogenic mechanisms underlying systemic amyloidosis, to develop improved techniques (in particular those that are non-invasive) for the clinical detection and diagnosis of systemic amyloid diseases, to develop novel cellular and in vivo models with which to identify candidate therapeutic agents, and to evaluate the clinical efficacy of novel therapies designed to prevent, arrest, and (when possible) reverse the morbid and lethal progression of these diseases. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238502>

#### **Building Evidence: Effective Palliative/End of Life Care Interventions (R01) Grant**

This funding opportunity announcement (FOA) seeks to stimulate research that develops and tests optimal palliative and end-of-life care interventions (models of care) based on measurable outcomes. Palliative Care and End-of-Life (PCEOL) interventions are increasingly needed for all individuals with Life Limiting Illnesses (LLI's) in some form or other, including those who are culturally diverse or aging. Adverse impacts have been shown to extend to the caregivers and families of patients with LLIs. Many individuals with LLI's also may concurrently be

suffering from multiple complex comorbidities (MCC's), placing an increasing burden on health, health systems and costs. Deadline is June 9, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238501>

#### **Developmental Mechanisms of Human Structural Birth Defects (P01) Grant**

This Funding Opportunity Announcement (FOA) encourages innovative, multidisciplinary, interactive, and synergistic program project (P01) grant applications from institutes/organizations that propose to integrate basic, translational, and clinical approaches to understanding the developmental biology and genetic basis of congenital structural human malformations. To contain costs, each P01 will consist of only three projects, associated cores, and a smaller optional developmental/pilot project. At least one project must propose basic research in an animal model system and at least one project must be clinical or translational in nature. The projects must share a common central theme, focus, or objective on a specific developmental structural malformation or class of anomalies that is genotypically, mechanistically, biologically, or phenotypically analogous or homologous in both animal models and humans. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238376>

#### **NINDS Phase III Investigator-Initiated Efficacy Clinical Trials (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications to conduct multi-site, randomized, controlled, Phase 3 clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials may address questions within the mission and research interests of the NINDS. Information about the mission and research interests of the NINDS can be found at the NINDS website (<http://www.ninds.nih.gov/>). Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=238034>

#### **Support of NIGMS Program Project Grants (P01) Grant**

This funding opportunity announcement (FOA) issued by the National Institute of General Medical Sciences encourages innovative, interactive Program Project grant applications from institutions/organizations that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS, through a collaborative approach involving outstanding scientists. The Program Project grant is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237978>

#### **NIDCD Clinical Research Center Grant (P50) Grant**

The National Institute on Deafness and Other Communication Disorders (NIDCD) invites applications for Clinical Research Center Grants designed to advance the diagnosis, prevention, treatment, and amelioration of human communication disorders. For this announcement, Clinical Research is defined as research involving individuals with communication disorders or data/tissues from individuals with a communication disorder. Examples of such research include but are not limited to, studies of the prevention, pathogenesis, pathophysiology, diagnosis, treatment, management or epidemiology of a disease or disorder of hearing, balance, smell, taste, voice, speech, or language. Deadline is June 2, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237953>

#### **Grand Opportunity in Medications Development for Substance-Use Disorders (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to accelerate the development of medication for the treatment of Substance-Use Disorders (SUDs) by encouraging research applications to support a diverse array of preclinical and/or clinical research projects. The goal is to fund medication studies that will have high impact and quickly yield the necessary results to advance medications closer to FDA approval. It is expected that these U01s will be short-term (funded for up to 3 years) and large (up to \$5 million per year) cooperative agreements with close monitoring and significant scientific involvement of NIDA staff. This funding opportunity will enable critical medications development studies that would not be feasible using the traditional R01 activity code. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237499>

#### **Synergizing Omic and Symptom Science (R15) Grant**

This Funding Opportunity Announcement (FOA) is intended to promote integration of diverse information from molecular and biological processes with patient-reported outcomes (i.e. symptoms, functional status, health-related quality of life). Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237378>

#### **Synergizing Omic and Symptom Science (R01) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237379>

#### **NIDDK Multi-Center Clinical Study Implementation Planning Cooperative Agreements (U34) Grant**

NIDDK supports investigator-initiated, multi-center (three or more sites) clinical studies exclusively through a two-part process that includes an implementation planning cooperative agreement (U34). The U34 is designed to: (1) permit early peer review of the rationale for the proposed clinical study; (2) permit assessment of the design and protocol of the proposed study; (3) provide support for the development of documents needed for the conduct of the study, including a manual of operations; and (4) support the development of other essential elements required for the conduct of a clinical study. Completion of the required products of a U34 is a prerequisite for submission of a multi-center clinical study cooperative agreement (U01) application, which will support the actual conduct of the study. Consultation with NIDDK staff is strongly encouraged prior to the submission of the U34 application. Deadline is February 14, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237375>

#### **Mentored Research Scientist Development Award (K01) Grant**

The purpose of the K01 is to provide support and 75% "protected time" for an intensive, supervised (mentored) career development experience in occupational health and safety research leading to research independence. The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of an adequate numbers of highly trained scientists and educators to address occupational safety and health critical issues. Deadline is September 2, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237453>

#### **Secondary Analyses of Alcohol and Chronic Disease (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages R21 applications that propose to conduct secondary analyses of alcohol as it relates to chronic disease etiology and epidemiology. The goal of this program is to facilitate cost-effective exploratory or novel studies that break new ground or extend previous discoveries toward new directions or applications. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237315>

#### **Secondary Analyses of Alcohol and Chronic Disease (R01) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237316>

#### **Secondary Analyses of Alcohol and Chronic Disease (R03) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237317>

#### **Implications of New Digital Media Use for Underage Drinking, Drinking-Related Behaviors, and Prevention Research (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages R21 research grant applications from institutions/organizations that propose to investigate whether, and how, heavy involvement in new digital media usage, particularly social media and social networking sites, may influence adolescent alcohol use and drinking patterns, as well as drinking-related problems. This FOA also encourages applications proposing to explore the ways in which new digital media may be utilized as platforms for preventive interventions aimed at underage drinking and related problems. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237319>

#### **Implications of New Digital Media Use for Underage Drinking, Drinking-Related Behaviors, and Prevention Research (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages R01 research grant applications from institutions/organizations that propose to investigate whether, and how, heavy involvement in new digital media usage, particularly social media and social networking sites, may influence adolescent alcohol use and drinking patterns, as well as drinking-related problems. This FOA also encourages applications proposing to explore the ways in which new digital media may be utilized as platforms for preventive interventions aimed at underage drinking and related problems. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237320>

#### **Novel NeuroAIDS Therapeutics: Integrated Preclinical/Clinical Program (P01) Grant**

The National Institute of Mental Health invites research grant applications to develop innovative programs to advance therapeutics for NeuroAIDS. This Funding Opportunity Announcement (FOA) will support research programs that will advance central nervous system (CNS)-focused therapeutic approaches to: a) address HIV-associated neurocognitive disorders in HIV-infected individuals on highly active anti-retroviral therapy (HAART), b) eradicate persistent HIV-1 from the CNS during chronic infection, c) prevent establishment of HIV-1 in the brain during early infection, and d) assess the potential for CNS toxicity using HAART or candidate drugs that are currently in clinical studies to eradicate HIV-1. Studies to create or adapt existing animal models of HIV-1 infection in the CNS may be proposed to enable assessment of novel HIV CNS-focused therapeutic candidates. Multi-disciplinary, multi-project programs that are focused on improving neurocognition in HIV-infected persons are encouraged. A well defined, synergistic and milestone-driven plan for discovery, preclinical, and/or early clinical hypothesis-driven research should be presented. Public-private partnerships are encouraged but not required. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237323>

**NIDDK Program Projects (P01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites submission of investigator-initiated program project applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found at <http://www2.niddk.nih.gov/Funding/default.htm>. Deadline is May 7, 2016. <http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237326>

**Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R24) Grant**

This FOA encourages Resource-Related Research Project Grant (R24) applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing and creating new animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine. The initiative focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237187>

**NIDA Program Project Grant Applications (P01) Grant**

This Funding Opportunity Announcement (FOA) announces the availability of support for collaborative research by multi-disciplinary teams which is of high priority to NIDA and leads to synergistic outcomes based on the synthesis of multiple research approaches. The NIDA Program Projects funding opportunity will support research in which the funding of three or more highly meritorious projects as a group enriches both the component projects and the overall program to offer significant scientific advantages over supporting the same projects as individual research grants (i.e., synergy). For the duration of the award, each Program must consist of a minimum of three research projects focused on issues critical to advance the mission and goals of NIDA. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237185>

**NIA Program Project Applications (P01) Grant**

The National Institute on Aging invites the submission of investigator-initiated program project (P01) applications. The applications should address scientific areas relevant to the NIA mission. Each P01 application submitted to this FOA must include at least three related research projects that share a common central theme, focus, and/overall objective and an administrative core to lead the project. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237133>

**NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25) Grant**

The purpose of the FOA is to invite applications for mentoring and professional activities to advance the careers and neuroscience development of diverse neuroscience researchers. The goal of the NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (NDACDRW) is to support mission relevant development and/or implementation of programs to: (1) increase the pool of Ph.D.-level research scientists from diverse backgrounds underrepresented in biomedical research who are neuroscience researchers-participation is limited to graduate, post-doctoral and/or junior-faculty career levels only; and (2) facilitate career advancement/transition of the participants to the next step of their neuroscience careers. NINDS support for R25 program relies equally on scientific merit and programmatic considerations. Consequently, we recommend that potential applicants contact program officials at NINDS before preparing an application. NINDS will not support projects if they do not fulfill current programmatic priorities at NINDS. Deadline is January 25, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237116>

**NICHD Program Project Grant (P01) Grant**

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) invites innovative, multidisciplinary, interactive, and synergistic Program Project grant applications from institutions/organizations that propose to conduct research on reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health or functioning of newborns, infants, children, adults, families, and populations. The purpose of the P01 activity code is to encourage investigation of complex problems relevant to NICHD's mission and to facilitate economy of effort, space, and equipment. Under appropriate circumstances, the collaborative research effort of a Program Project can accelerate the acquisition of knowledge more effectively than a simple aggregate of research projects without thematic integration. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237115>

#### **Ageing Studies in the Pulmonary System (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to promote research to explore age-associated mechanisms in pulmonary physiology, pathology and function, and their relationship to respiratory conditions and diseases that commonly occur in older populations. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=237024>

#### **NIAID Investigator Initiated Program Project Applications (P01) Grant**

This Funding Opportunity Announcement (FOA) invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NIAID mission including the biology, pathogenesis, and host response to microbes, including HIV; the mechanisms of normal immune function and immune dysfunction resulting in autoimmunity, immunodeficiency, allergy, asthma, and transplant rejection; and translational research to develop vaccines, therapeutics, and diagnostics to prevent and treat infectious, immune-mediated, and allergic diseases. Each P01 application submitted to this FOA must include at least two related research projects that share a common central theme, focus, and/or overall objective. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=236918>

#### **Resource-Related Research Projects for Development of Animal Models and Related Materials (R24) Grant**

This FOA encourages Resource-Related Research Project (R24) grant applications aimed at developing, characterizing or improving animal models of human diseases or improving diagnosis and control of diseases of laboratory animals. The animal models and related materials to be developed must address the research interests of two or more of the categorical NIH Institutes and Centers. In addition, projects that predominantly address the research interests of one NIH Institute or Center, but that are peripherally related to the research interests of other Institutes and Centers will not be considered appropriate for this FOA. An example of an inappropriate request is one exclusively involving an animal model of cancer. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=236897>

#### **NIAID Resource-Related Research Projects (R24) Grant**

This Funding Opportunity Announcement (FOA), issued by the National Institute of Allergy and Infectious Diseases (NIAID), requests submission of investigator-initiated Resource-Related Research Projects (R24) applications. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=236082>

#### **Unveiling the Genome: Genetic Architecture of Severe Mental Disorders Revealed (Collaborative U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support a consortium of collaborative projects, with a minimum of two sites that propose to use cutting edge technologies to generate and analyze whole genome sequencing (WGS) data from either case control or family samples in order to elucidate the full genetic architecture underlying susceptibility to severe mental disorders. Deadline is October 15, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=236065>

#### **NINDS Research Education Opportunities (R25) Grant**

The purpose of this funding opportunity announcement is to request applications for the initiation or continuation of nationally-available neuroscience research education programs that will significantly advance the mission of NINDS. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=236053>

#### **Research Grants Using the Resources from the Osteoarthritis Initiative (OAI) (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages applications for research awards that are focused on the use the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=235720>

#### **National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U19) Grant**

The purpose of the National Cooperative Drug Discovery/Development Group (NCDDG) Program is to create multidisciplinary research groups or partnerships for the discovery of pharmacological agents to treat and to study mental illness or drug or alcohol addiction. The objectives of this program are to: accelerate innovative drug discovery; develop pharmacologic tools for basic and clinical research on mental disorders, or drug or alcohol addiction; develop and validate tools in support of experimental therapeutic studies of innovative new candidates for mental disorders; and support early phase human clinical testing to rapidly assess the safety and efficacy of

promising drug candidates and new indications for IND-ready agents for the treatment of mental disorders or alcohol addiction. This FOA encourages applications to advance the discovery, preclinical development, and proof of concept testing of new, rationally based candidate agents to treat mental disorders or drug or alcohol addiction, and to develop novel ligands as tools to further characterize existing or to validate new drug targets. Partnerships between academia and industry are strongly encouraged. Deadline is February 23, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=255559>

#### **Research Grants Using the Resources from the Osteoarthritis Initiative (OAI)(R21) Grant**

This Funding Opportunity Announcement (FOA) encourages applications focused on the use the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=235719>

#### **Food & Drug Administration Advancing Medical Device Postmarket Surveillance Infrastructure and Epidemiologic Methodologies through Multi-stakeholder Partnership (U01) Grant**

1) To support implementation of the National Medical Device Postmarket Surveillance System through sustainable multi-stakeholder partnership 2) To develop new epidemiologic methodologies or to apply existing methodologies in new ways to provide a comprehensive understanding of medical device performance and clinical outcomes associated with device use in real-world use settings;3) To develop new systems of data collection and/or analysis to permit prospective active medical device postmarket risk identification , periodic systematic updates of comprehensive evidence syntheses, visual analytics, and other efforts to broadly apply complex methodology to diverse data sources that facilitates postmarket surveillance;4) To develop methodological approaches and/or systems that facilitate the use of postmarket information for regulatory decision making throughout the entire device lifecycle ; and 5) To support the development of and access to high quality data sources that can be used in comprehensive postmarket evaluation of medical device performance and associated outcomes. Deadline is April 30, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=235342>

#### **Phenotyping Embryonic Lethal Knockout Mice (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to phenotype embryonic lethal knockout (KO) mouse strains being generated through the International Mouse Phenotyping Consortium (IMPC) of which the NIH Knockout Mouse Phenotyping Program (KOMP2) is a member. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=235335>

#### **Biomarkers for Diabetes, Digestive, Kidney and Urologic Diseases Using Biosamples from the NIDDK Repository (R01) Grant**

This FOA will provide support for assays (and associated data analysis) of repository-held samples for studies focused on an NIDDK-relevant disease. The review of applications to this FOA will consider both access to repository-held samples and funding for assays using the samples. These studies are expected to generate scientific discoveries on disease mechanisms, disease pathogenic processes, disease progression, or clinical responses. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=234796>

#### **National Cooperative Reprogrammed Cell Research Groups (NCRCRG) to Study Mental Illness (U19) Grant**

The purpose of the National Cooperative Reprogrammed Cell Research Groups (NCRCRG) program is to create multidisciplinary research groups, in partnership with academia and industry, to use patient-derived reprogrammed cells to develop validated platforms for identifying novel targets and developing new therapeutics or diagnostic tools to reduce the burden of mental illness. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=233673>

#### **NIDA Research Center of Excellence Grant Program (P50) Grant**

This Funding Opportunity Announcement (FOA) is to provide support for research Centers that (1) conduct drug abuse and addiction research in any area of NIDA's mission, (2) have outstanding innovative science, (3) are multidisciplinary, thematically integrated, synergistic, and (4) serve as national resource(s) to provide educational and outreach activities to drug abuse research communities, educational organizations, the general public, and policy makers in the NIDA research fields. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=233314>

#### **Research on Autism Spectrum Disorders (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. The R03 award



mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=232617>

**Research on Autism Spectrum Disorders (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. The R21 grant mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on biomedical, behavioral, or clinical research. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=232616>

**Research on Autism Spectrum Disorders (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=232615>

**Limited Competition: Training Programs for Critical HIV Research Infrastructure for Low- and Middle-Income Country Institutions (G11) Grant**

The purpose of this FOA is to encourage U.S. institutions with research collaborations at low-and middle-income country (LMIC) institutions to submit applications for training programs to strengthen the leadership and expertise in selected critical research infrastructure areas at their collaborating LMIC institutions. Deadline is July 30, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=231759>

**Limited Competition: Fogarty HIV Research Training Program for Low-and Middle-Income Country Institutions (D43) Grant**

The purpose of this FOA is to encourage applications for research training programs to develop and strengthen the scientific leadership and expertise needed for HIV-related research at eligible Low-and Middle-Income Country (LMIC) institutions. Deadline is July 30, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=231753>

**Agency for Health Care Research and Quality Comparative Health System Performance in Accelerating PCOR Dissemination (U19) Grant**

As part of AHRQ's PCOR dissemination efforts, this AHRQ Funding Opportunity Announcement (FOA) invites applications for Centers of Excellence to identify, classify, track, and compare healthcare delivery systems ranging from integrated delivery systems to Accountable Care Organizations across the U.S. to help improve the speed of adoption and diffusion of CER-recommended practices through systems. Deadline is October 14, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=258559>

**Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities (R01) Grant**

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications from institutions/ organizations addressing preclinical research in model organisms of neurodevelopmental disorders. Applications submitted to this FOA should propose to develop, validate, and/or calibrate outcome measures, surrogate markers, and biomarkers in model organisms that can inform and effectively translate to human clinical trials for individuals with intellectual and developmental disabilities (IDD). Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=231713>

**Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities (R01) Grant**

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications from institutions/organizations that propose to develop informative outcome measures for use in clinical trials for individuals with intellectual and developmental disabilities (IDD). This FOA will address a significant need in the field, one that is especially apparent in efforts to develop pharmacological treatments for these populations. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=231696>

**Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications for Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01s). The mission of the CounterACT U01 program is to develop new and improved therapeutics for chemical threats. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. Deadline is September 16, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=231673>

**Mechanisms of Alcohol and Nicotine Co-Addiction (R01) Grant**

This FOA encourages R01 applications from institutions/organizations that propose to study neurobiological and behavioral mechanisms contributing to concurrent alcohol and nicotine co-addiction. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=230354>

**Mechanisms of Alcohol and Nicotine Co-Addiction (R21) Grant**

This FOA encourages R21 applications from institutions/organizations that propose to study neurobiological and behavioral mechanisms contributing to concurrent alcohol and nicotine co-addiction. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=230353>

**Reducing the Duration of Untreated Psychosis in the United States (R34) Grant**

Approximately 100,000 adolescents and young adults in the United States experience a first episode of psychosis (FEP) every year. The early phase of psychotic illness is widely viewed as a critical opportunity for indicated prevention, and a chance to alter the downward trajectory and poor outcomes associated with serious mental disorders such as schizophrenia. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=230015>

**Reducing the Duration of Untreated Psychosis in the United States (R01) Grant**

Approximately 100,000 adolescents and young adults in the United States experience a first episode of psychosis (FEP) every year. The early phase of psychotic illness is widely viewed as a critical opportunity for indicated prevention, and a chance to alter the downward trajectory and poor outcomes associated with serious mental disorders such as schizophrenia. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=230014>

**NIDCD Research Career Enhancement Award for Established Investigators (K18) Grant**

The purpose of the NIDCD Research Career Enhancement Award for Established Investigators (K18) program is to enable established, proven investigators to augment or redirect their research programs through the acquisition of new research skills to answer questions relevant to the hearing, balance, smell, taste, voice, speech and language sciences. Deadline is May 8, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229995>

**Image-guided Drug Delivery in Cancer (R01) Grant**

This Funding Opportunity Announcement (FOA) will support innovative research projects that are focused on image-guided drug delivery (IGDD), including real-time image guidance, monitoring, quantitative in vivo characterizations and validation of delivery and response. It will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer and other diseases, quantitative imaging assays of drug delivery, and early intervention. Deadline is November 19, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229994>

**Addressing Health Disparities in NIDDK Diseases (R01) Grant**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) of the National Institutes of Health (NIH) seeks research to improve understanding of the causes of high priority diseases in the United States and to develop and test more effective interventions for reducing/eliminating health disparities. Research is encouraged in the following high priority diseases within the scientific mission areas of the NIDDK: diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229473>

**Drug Abuse Dissertation Research (R36) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229414>

**Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations (R01) Grant**

Other Eligible Applicants include the following: Alaska Native and Native Hawaiian Serving Institutions; Asian American Native American Pacific Islander Serving Institutions (AANAPISIs); Eligible Agencies of the Federal Government; Faith-based or Community-based Organizations; Hispanic-serving Institutions; Historically Black Colleges and Universities (HBCUs); Indian/Native American Tribal Governments (Other than Federally Recognized); Non-domestic (non-U.S.) Entities (Foreign Organizations); Regional Organizations; Tribally Controlled Colleges and Universities (TCCUs) ; U.S. Territory or Possession; Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply. Foreign components, as defined in the NIH Grants Policy Statement, are allowed. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229373>

**Agency for Health Care Research and Quality AHRQ Patient-Centered Outcomes Research (PCOR) Mentored Clinical Investigator Award (K08) Grant**

The primary purpose of the AHRQ PCOR Mentored Clinical Investigator Award (K08) program is to prepare qualified individuals for careers utilizing complex comparative effectiveness research (CER) methods to clinical and health systems PCOR issues, involving stakeholders, as appropriate, in the design, execution, and dissemination of the research. Deadline is July 12, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229076>

**Agency for Health Care Research and Quality AHRQ Patient-Centered Outcomes Research (PCOR) Mentored Research Scientist Development Award (K01) Grant**

The primary purpose of the AHRQ PCOR Mentored Research Scientist Development Award (K01) program is to prepare qualified individuals for careers utilizing complex comparative effectiveness research (CER) methods to clinical and health systems PCOR issues, involving stakeholders, as appropriate, in the design, execution, and dissemination of the research. Deadline is July 12, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229075>

**Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03) Grant**

Scientific cooperation between India and the U.S. has taken place under a variety of bilateral umbrella agreements, including the Indo-U.S. Science and Technology (S&T) Sub-Commission, the Gandhi-Reagan S&T Initiative, the U.S.-India Fund, and the current S&T Cooperation Agreement. Building upon these agreements and initiatives, representatives of the United States and the Government of India signed a Memorandum of Understanding on July, 9 1987 implementing the Indo-U.S. Vaccine Action Program (VAP) in order to expand collaborative vaccine research. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=229055>

**NIDCR Small Research Grants for Secondary Analysis of FaceBase Data (R03) Grant**

The FaceBase Consortium is developing a variety of comprehensive datasets on midfacial development that are available to the wider scientific community at [www.facebase.org](http://www.facebase.org). This funding opportunity announcement (FOA) will support meritorious research projects that conduct secondary data analyses of these FaceBase datasets relevant to craniofacial development, human craniofacial conditions or traits, and animal models of those craniofacial conditions. Informatics projects that integrate data from multiple FaceBase datasets are especially encouraged. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=228893>

**Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01) Grant**

This funding opportunity announcement (FOA) invites applications employing secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons. This FOA will support activities addressing specific hypotheses in clinical aging research and/or to inform the design and implementation of future epidemiologic or human intervention studies, or current geriatric practice in maintenance of health, management of disease, and prevention of disability. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=228553>

**Innovative Research Methods: Prevention and Management of Symptoms in Chronic Illness (R21) Grant**

This funding opportunity seeks to update the randomized control trial (RCT) design using novel research methods that are practical, innovative, and hold promise for producing more effective outcomes. Novel clinical research designs, applied to symptom management trials, may identify those treatment strategies that best alter the course of symptom burden in chronic illness by addressing the issues of varied treatment responses across patients, subject retention, and adherence to treatment regimens. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=228550>

**Innovative Research Methods: Prevention and Management of Symptoms in Chronic Illness (R15) Grant**

This funding opportunity seeks to update the randomized control trial (RCT) design using novel research methods that are practical, innovative, and hold promise for producing more effective outcomes. Novel clinical research designs, applied to symptom management trials, may identify those treatment strategies that best alter the course of symptom burden in chronic illness by addressing the issues of varied treatment responses across patients, subject retention, and adherence to treatment regimens. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=228549>

**Innovative Research Methods: Prevention and Management of Symptoms in Chronic Illness (R01) Grant**

This funding opportunity seeks to update the randomized control trial (RCT) design using novel research methods that are practical, innovative, and hold promise for producing more effective outcomes. Novel clinical research designs, applied to symptom management trials, may identify those treatment strategies that best alter the course of symptom burden in chronic illness by addressing the issues of varied treatment responses across patients, subject retention, and adherence to treatment regimens. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=228548>

**Alcohol Use Disorders: Treatment, Services, and Recovery Research (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications from institutions/organizations that propose to support research on behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and phenomenon of recovery from alcohol use disorders. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=228436>

**Alcohol Use Disorders: Treatment, Services, and Recovery Research (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages grant applications from institutions/organizations that propose to support research on behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and phenomenon of recovery from alcohol use disorders. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=228435>

**NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12) Grant**

This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading to research independence in the area of drug abuse and addiction. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=228418>

**Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21) Grant**

This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=227974>

**Development and Characterization of Animal Models for Aging Research (R21) Grant**

The purpose of this announcement is to promote research that develops, characterizes, refines and enhances model systems for aging research. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=227918>

**Development and Characterization of Animal Models for Aging Research (R01) Grant**

The purpose of this announcement is to promote research that develops, characterizes, refines, and enhances model systems for research on aging. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=227916>

**Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) Grant**

This Funding Opportunity Announcement (FOA) invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227901>

**Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) Grant**

This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications from institutions/organizations that propose randomized clinical trials testing novel home- or family-based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227899>

**Aging Research Dissertation Awards to Increase Diversity (R36) Grant**

The National Institute on Aging (NIA) announces this continuing initiative to provide dissertation awards to increase diversity in the scientific research workforce engaged in research on aging and aging-related health conditions within NIA's strategic priorities. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227897>

**NIAID Clinical Trial Implementation Cooperative Agreement (U01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites cooperative agreement applications for implementation of investigator-initiated, high-risk clinical trials and mechanistic studies associated with high-risk clinical trials. Deadline is January 13, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227878>

**NIAID Clinical Trial Planning Grant (R34) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of the documentation necessary for implementation of investigator-initiated clinical trials. Deadline is January 13, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227876>

**NIAID Clinical Trial Implementation Grant (R01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications for implementation of investigator-initiated, non-high-risk clinical trials. Deadline is January 13, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227875>

**Limited Competition: Dominantly Inherited Alzheimer Network (U19) Grant**

The purpose of this limited competition FOA is to allow the Dominantly Inherited Alzheimer's Network (DIAN) investigators to submit a continuation application. This is a unique multisite project studying early onset, autosomal dominant (familial) Alzheimer's Disease. Deadline is May 25, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227818>

**NCI Exploratory/Developmental Research Grant Program (NCI Omnibus R21) Grant**

The National Cancer Institute (NCI) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in all areas of cancer research. The R21 mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. Deadline is September 4, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227494>

**Development of Animal Models and Related Biological Materials for Research (R21) Grant**

This funding opportunity announcement (FOA) issued by ORIP, National Institutes of Health, encourages research grant applications from institutions/organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control of diseases that might interfere with animal use for biomedical research purposes. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227493>

**Acute Kidney Injury in Older Adults (R21) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, translational and outcomes research on acute kidney injury (AKI) in older persons. The R21 mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=227088>

**Acute Kidney Injury in Older Adults (R03) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, translational and outcomes research on acute kidney injury (AKI) in older persons. This funding initiative supports small research projects that can be carried out in a short period of time with limited resources including pilot and feasibility studies, secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=227087>

#### **Acute Kidney Injury in Older Adults (R01) Grant**

This Funding Opportunity Announcement (FOA) invites applications that propose basic, clinical, translational and outcomes research on acute kidney injury (AKI) in older persons. Applications may focus on the 1) epidemiology, etiology and risk factors for AKI in older adults, 2) pathophysiology of AKI in the aging kidney and its impact on chronic kidney disease (CKD) and other organ disease 3) early detection, diagnosis and monitoring of AKI, and 4) prevention, treatment and management strategies of AKI in older patients with the goal of improving short- and long-term outcomes including morbidity, mortality, progression of CKD, functional independence and quality of life. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=227086>

#### **Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R21) Grant**

This funding opportunity announcement (FOA) is intended to support environmental health research in which an unpredictable opportunity has arisen to collect human biosample or exposure data (e.g., following natural or made-made disasters, health care policy changes, etc). The three distinguishing features of an eligible study are: 1) the unforeseeable nature of the opportunity; 2) the clear scientific value and feasibility of the study; and 3) the need for rapid review and funding (substantially shorter than the typical NIH grant review/award cycle) in order for the scientific question to be approached and for the research design to be implemented. Deadline is April 1, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=225553>

#### **Program for Extramural/Intramural Alcohol Research Collaborations (U01) Grant**

The purpose of this funding opportunity is to encourage collaboration between alcohol researchers in the extramural community and those within the NIAAA intramural research program. The objective of this Funding Opportunity Announcement is to bring together the research expertise that, as a functioning collaborative unit, will address key alcohol-based research questions that would not otherwise be possible by the same individuals working towards similar goals in isolation. Deadline is May 7, 2016

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=225193>

#### **High Throughput Screening (HTS) to Discover Chemical Probes (R03) Grant**

This Funding Opportunity Announcement (FOA) is to promote and support discovery and development of new chemical probes as research tools for use by the research community to advance the understanding of biological functions and disease mechanisms. Deadline is December 4, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=225174>

#### **High Throughput Screening (HTS) to Discover Chemical Probes (X01) Grant**

This Resource Access Opportunity is to promote and support discovery and development of new chemical probes as research tools for use by the research community to advance the understanding of biological functions and disease mechanisms. Deadline is December 4, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=225173>

#### **Understanding and Promoting Health Literacy (R03) Grant**

The goal of this program announcement is to encourage methodological, intervention and dissemination research for understanding and promoting health literacy. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions (Ratzan and Parker, 2000). Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=223975>

#### **Understanding and Promoting Health Literacy (R01) Grant**

The goal of this program announcement is to encourage methodological, intervention and dissemination research for understanding and promoting health literacy. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions (Ratzan and Parker, 2000). Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=223973>

#### **Investigator Initiated Multi-Site Clinical Trials (Collaborative R01) Grant**

The support of multi-site clinical trials is one strategy NHLBI uses to improve the understanding of the clinical mechanisms of disease and to improve prevention, diagnosis, and treatment. The purpose of this Funding

Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated multi-site randomized controlled clinical trials. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=223856>

**Regional and International Differences in Health and Longevity at Older Ages (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications from institutions/organizations proposing to advance knowledge on the reasons behind the divergent trends that have been observed in health and longevity at older ages, both across industrialized nations and across geographical areas in the United States. This FOA is intended to capitalize on provocative findings in the literature which have been insufficiently understood and addressed. Deadline is September 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=221744>

**Regional and International Differences in Health and Longevity at Older Ages (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages Small Grant (R03) applications from institutions/organizations proposing to advance knowledge on the reasons behind the divergent trends that have been observed in health and longevity at older ages, both across industrialized nations and across geographical areas in the United States. This FOA is intended to capitalize on provocative findings in the literature which have been insufficiently understood and addressed. Deadline is September 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=221741>

**Research on Alcohol and HIV/AIDS (R03) Grant**

This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV-infected individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=221614>

**Mechanisms, Models, Measurement, & Management in Pain Research (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=220915>

**Mechanisms, Models, Measurement, & Management in Pain Research (R03) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=220914>

**Team-Based Design in Biomedical Engineering Education (R25) Grant**

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training and clinical immersion are especially encouraged. Deadline is May 13, 2015.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=219836>

**Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R21) Grant**

This FOA encourages Exploratory/Developmental Research grant (R21) applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine. The initiative focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model

systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=220076>

**Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R01) Grant**

This FOA encourages Research Project Grant (R01) applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine. The initiative focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=220075>

**Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R24) Grant**

This FOA encourages Resource-Related Research Project Grant (R24) applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing and creating new animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine. The initiative focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=220074>

**Mechanistic Insights from Birth Cohorts (R01) Grant**

This Funding Opportunity Announcement (FOA) is intended to support novel research on how prenatal exposures contribute to the etiology of chronic diseases and health conditions later in life. The goal of this FOA is to stimulate research by leveraging existing birth cohorts to address targeted mechanistic questions regarding the normal and abnormal developmental origins of organ systems and/or diseases of interest to the participating NIH Institutes and Centers. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=219335>

**Obesity Policy Evaluation Research (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications that propose to evaluate large scale policy or programs that are expected to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes in an effort to prevent or reduce obesity. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=219313>

**NIH Summer Research Experience Programs (R25) Grant**

The purpose of the NIH Summer Research Experience Program (referred to as the Summer Research Program) is to provide a high quality research experience for high school and college students and for science teachers during the summer academic break. The NIH expects that such programs will: help attract young students to careers in science; provide opportunities for college students to gain valuable research experience to help prepare them for graduate school; and enhance the skills of science teachers and enable them to more effectively communicate the nature of the scientific process to their students. The programs would also contribute to enhancing overall science literacy. Summer Research Programs that expand and complement existing summer educational and training programs are encouraged. Note: Not all participating Institutes and Centers (ICs) support all aspects of this program. Therefore, prospective applicants must consult the Table of IC-Specific Information, Requirements and Staff Contacts in this announcement to determine if your application will be accepted for review, and should contact staff at the relevant IC (see also Section VII) to discuss the proposed Program. Deadline is May 21, 2015.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218735>

**Disorders of Human Communication: Effectiveness, Outcomes and Health Services Research (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support effectiveness, outcomes and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Deadline is May 7, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218719>

**Disorders of Human Communication: Effectiveness, Outcomes and Health Services Research (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to support effectiveness, outcomes and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Deadline is May 7, 2016.



<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218718>

**School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R03) Grant**

This Funding Opportunity Announcement (FOA) is issued by the National Institutes of Health's Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Cancer Institute (NCI), and the Office of Behavioral and Social Sciences Research (OBSSR). The FOA encourages research project grant (R03) applications that propose to: (1) foster multidisciplinary research that will evaluate how policies (federal, state and school district levels) can influence school physical activity and nutrition environments, youths obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; (2) understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g., federal, state, school district, and school); and (3) understand the synergistic or counteractive effect of school nutrition and physical activity polices on the home and community environment and body weight. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218694>

**School Nutrition and Physical Activity Policies, Obesogenic Behaviors, and Weight Outcomes (R21) Grant**

This Funding Opportunity Announcement (FOA) is issued by the National Institutes of Health's Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), and the Office of Behavioral and Social Sciences Research (OBSSR). The FOA encourages Research Project Grant (R21) applications that propose to: (1) foster multidisciplinary research that will evaluate how policies (federal, state and school district levels) can influence school physical activity and nutrition environments, youths obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; (2) understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g., federal, state, school district, and school); and (3) understand the synergistic or counteractive effect of school nutrition and physical activity polices on the home and community environment and body weight. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218693>

**NIA Limited Competition: Renewals of, and Revisions to, Existing Cooperative agreement Awards (U01) Grant**

This FOA invites existing cooperative agreements that are described below (Part 2, Section I) to submit revision and or renewal applications. Potential applicants are strongly encouraged to contact their current program officer prior to submission to discuss the application. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=218513>

**Differentiation and Integration of Stem Cells (Embryonic and Induced-Pluripotent) Into Developing or Damaged Tissues (R01) Grant**

The primary focus of the FOA is to promote in vivo studies of stem cells in animal models and in humans (if applicable) to better understand how stem cells function within developing or damaged tissues. The areas of emphasis would include systematically profiling and cataloging changes at genetic and epigenetic levels that take place in stem cells and their microenvironment. The purpose is to gain in-depth knowledge of the mechanisms involved in: progressive differentiation of Embryonic Stem Cells (ESCs) into embryonic lineages, progenitor cells and specialized cell types; adult stem cells/progenitor cells during tissue regeneration and wound healing; and Induced Pluripotent Stem Cells (iPSCs) at the site of injury during stem cell therapy. Understanding the basic mechanisms and application of knowledge-based approaches would allow researchers to generate iPSCs that are more closely related to the ESCs at both genetic and epigenetic levels. Furthermore, it is expected that replicating developmental mechanisms would ameliorate the safety concerns associated with incomplete differentiation and improper integration of cells in damaged or diseased tissues during stem cell therapy. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=217835>

**Differentiation and Integration of Stem Cells (Embryonic and Induced-Pluripotent) Into Developing or Damaged Tissues (R21) Grant**

This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) is intended to encourage innovative and high risk/impact research in the area of stem cell biology, to be explored in model organisms. The research proposed under this program can explore approaches and concepts new to this area; development of new technologies; or initial research and development of data upon which significant future research may be built. The primary focus of the FOA is to promote in vivo studies of stem cells in animal models and in humans (if applicable) to better understand how stem cells function within developing or damaged tissues. The areas of emphasis would include systematically profiling and cataloging changes at genetic and epigenetic levels that take place in stem cells and their microenvironment. Deadline is September 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=217834>

**NIDA Research Education Program for Clinical Researchers and Clinicians (R25) Grant**

The NIDA Research Education Program will support research education for those in clinically focused careers, in a topic area related to substance use/abuse/addiction. Participants (those receiving the research education) should be training for careers as clinical researchers, clinicians/service providers, or optimally, a combination of the two. This mechanism may not be used for support of non-research related clinical training. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214894>

**National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U19) Grant**

The purpose of the National Cooperative Drug Discovery/Development Group (NCDDG) Program is to create multidisciplinary research groups or partnerships for the discovery of pharmacological agents to treat and to study mental illness or drug or alcohol addiction. The objectives of this program are to: accelerate innovative drug discovery; develop pharmacologic tools for basic and clinical research on mental disorders, or drug or alcohol addiction; develop and validate models for evaluating novel therapeutics for mental disorders; and support early phase human clinical testing to rapidly assess the safety and efficacy of promising drug candidates and new indications for IND-ready agents for the treatment of mental disorders or alcohol addiction. Deadline is October 22, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=215253>

**Bridging the Gap Between Cancer Mechanism and Population Science (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications for projects that bridge biological mechanism to population level scales. By incorporating insights and data from one end of the cancer research spectrum into the framework of the other, projects should be able to cross-validate data gathered at different scales, and explore links between basic biology, population science, and potential health applications in treatment, prevention, diagnosis, and/or screening. Proposed projects should pose a challenging cancer research question that can be addressed by connecting these two ends of the research spectrum that would be difficult to address or explain through biological or epidemiological investigation alone. Only a single cohesive project integrating aspects from these two areas is allowed in each application. Deadline is November 4, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214793>

**Accelerating the Pace of Drug Abuse Research Using Existing Data (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, associated HIV risk behaviors, prevention of drug use and HIV, and health service utilization. This FOA is a reissue of PAR10-018, broadened to include other existing data modalities, such as neuroimaging data residing either at the collecting institution(s) or at a third-party image repository. Under this FOA, the National Institute on Drug Abuse (NIDA), National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Cancer Institute (NCI), and the Office of Behavioral and Social Sciences (OBSSR) encourage the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of drug using behaviors and their consequences, risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of drug abuse and HIV. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214613>

**Behavioral & Integrative Treatment Development Program (R03) Grant**

The purpose of this FOA for R03s is to encourage investigators to propose discrete well-defined projects that can be completed within two years. Projects of interest fall within the research domain of behavioral or integrative (e.g., behavioral and pharmacological) interventions targeting: (a) drug abuse (including comorbidities); (b) prevention of acquisition or transmission of HIV infection among individuals in drug abuse treatment; (c) promotion of adherence to drug abuse treatment, HIV and addiction medications; and (d) chronic pain. Specific examples include, but are not limited to studies focusing on: 1) Stage I intervention generation; 2) Stage I pilot or feasibility and both should include the development of putative moderators, mediators, and change mechanisms; (3) Stage I studies to generate or refine drug abuse treatment or adherence interventions for use in primary care; (4) Stage I research to boost effects and increase implementability of interventions with creative use of technology or through other means. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214576>

### **Behavioral & Integrative Treatment Development Program (R34) Grant**

The purpose of this FOA for R34s is to encourage investigators to propose discrete well-defined projects that can be completed within three years. Projects of interest fall within the research domain of behavioral or integrated (e.g., behavioral and pharmacological) interventions targeting: (a) substance abuse (including comorbidities); (b) prevention of acquisition or transmission of HIV infection among individuals in substance abuse treatment; (c) promotion of adherence to substance abuse treatment, HIV and addiction medications; and (d) chronic pain. Specific examples include, but are not limited to studies focusing on: 1) Stage I intervention generation; 2) Stage I pilot or feasibility and both should include the development of putative moderators, mediators, and change mechanisms. (3) Stage I studies to generate or refine substance abuse treatment or adherence interventions for use in primary care; (4) Stage I research to boost effects and increase implementability of interventions with creative use of technology. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214574>

### **Behavioral & Integrative Treatment Development Program (R01) Grant**

The purpose of this FOA for R01 applications is to encourage behavioral intervention development research to test efficacy, conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) drug abuse treatment and adherence interventions for use in primary care; (3) drug abuse treatment and adherence interventions that utilize technologies to boost effects and increase implementability; (4) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (5) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (6) interventions to treat chronic pain. Research of interest includes but is not limited to Stage II and Stage III efficacy research. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214575>

### **Dissemination and Implementation Research in Health (R03) Grant**

This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement research-tested health behavior change interventions, evidence-based prevention, early detection, diagnostic, treatment and management, and quality of life improvement services, and data monitoring and surveillance reporting tools into public health and clinical practice settings that focus on patient outcomes. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214396>

### **Dissemination and Implementation Research in Health (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement research-tested health behavior change interventions, evidence-based prevention, early detection, diagnostic, treatment and management, and quality of life improvement services, and data monitoring and surveillance reporting tools into public health and clinical practice settings that focus on patient outcomes. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214395>

### **Dissemination and Implementation Research in Health (R21) Grant**

This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement research-tested health behavior change interventions, evidence-based prevention, early detection, diagnostic, treatment and management, and quality of life improvement services, and data monitoring and surveillance reporting tools into public health and clinical practice settings that focus on patient outcomes. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214394>

### **Small Grants for New Investigators to Promote Diversity in Health-Related Research (R03) Grant**

The purpose of this funding opportunity announcement (FOA) is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Mental Health (NIMH) and the Office of Dietary Supplements (ODS). The scientific mission areas of the Institutes and Office are: NIDDK -diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology; NIMH factors contributing to mental disorders, the trajectories of mental disorders, pre-emption and treatment of mental disorders, identify and improve interventions for mental illness; and ODS all types of research in which the primary emphasis is the investigation of dietary supplements and/or their ingredients. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214053>

### **Competitive Revision Applications for Research on Complementary Approaches to Symptom Management in Military and Veteran Populations (R01) Grant**

This Funding Opportunity Announcement (FOA) seeks competitive revision applications (formerly called competitive supplement applications). Specifically, NCCAM is encouraging competitive revision applications to augment currently active NCCAM R01 grants. NCCAM-funded researchers are encouraged to collaborate with Veteran Health Administration (VHA) or Department of Defense (DoD) clinicians or researchers to conduct research on complementary approaches for symptom management and health in military or VA populations. The research proposed should be focused on complementary approaches to pain and symptom management or improving health in U.S. military personnel, veterans and their families. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=214013>

### **Pain in Aging (R01) Grant**

This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to study pain from an aging perspective, including studies of older populations, studies of age differences and age-related changes in pain processes and experiences, and studies of pain treatment and management in older adults. This FOA particularly encourages studies on 1) mechanisms and predictors of pain experience in aging, 2) development and evaluation of pain assessment tools for older adults or older model organisms, and 3) development and evaluation of pain management strategies in older adults, with particular attention to the challenges associated with treating pain in patients with multiple morbidities. Studies may address a variety of approaches and outcomes including biological (i.e., genetic, molecular, neurobiological), clinical, behavioral, psychological, and social factors. Both animal models (especially aged animals) and human subjects are appropriate for this FOA. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=212373>

### **Pain in Aging (R21) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=212374>

### **Pain in Aging (R03) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=212375>

### **Agency for Health Care Research and Quality AHRQ Health Services Research Demonstration and Dissemination Grants (R18) Grant**

The Research Demonstration and Dissemination Grant (R18) is an award made by AHRQ to an institution/organization to support a discrete, specified health services research project. The project will be performed by the named investigator and study team. The R18 research plan proposed by the applicant institution/organization must be related to the mission and portfolio priority research interests of AHRQ. Deadline is September 25, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=211515>

### **Agency for Health Care Research and Quality AHRQ Health Services Research Projects (R01) Grant**

The Research Project Grant (R01) is an award made by AHRQ to an institution/organization to support a discrete, specified health services research project. The project will be performed by the named investigator and study team. The R01 research plan proposed by the applicant institution/organization must be related to the mission and portfolio priority research interests of AHRQ. Deadline is November 5, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=211493>

### **Research on Chronic Overlapping Pain Conditions (R21) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage epidemiological, clinical and translational research that will increase our understanding of the natural history, prevalence, biological mechanisms, psychological variables, and clinical risk factors responsible for the presence of multiple chronic pain conditions in people with pain. Recent clinical findings suggest that substantial overlap may exist between chronic pain conditions. Individuals diagnosed with one disorder often exhibit characteristics of additional chronic painful conditions or transition to other diagnostic categories. A better understanding is needed of the prevalence of overlapping pain conditions, the underlying etiologies, the progression of these conditions, the evolution of these overlaps, and the therapeutic approaches best suited for treating subjects with these conditions. The main objective of this FOA is the formation of research groups with interests bridging expertise in pain mechanisms with translational and clinical expertise to address important unresolved questions about overlapping pain conditions. Applicants are encouraged to leverage existing and develop new resources pertinent to the study of these conditions. Applicants are encouraged to include researchers with complementary expertise from outside the pain field in their research teams who will enhance the breadth of research and understanding of comorbid chronic pain conditions. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256632>

### **NIDCD Small Grant Program (R03) Grant**

The NIDCD Small Grant Program (R03) is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The

research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance, smell, taste, voice, speech, or language. The NIDCD R03 grant mechanism supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; translational research; outcomes research; and development of new research technology. Irrespective of the type of project, the intent of the NIDCD R03 is for the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) to obtain sufficient preliminary data for a subsequent R01 application. Deadline is October 28, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=211774>

#### **Research on Chronic Overlapping Pain Conditions (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage epidemiological, clinical and translational research that will increase our understanding of the natural history, prevalence, biological mechanisms, psychological variables, and clinical risk factors responsible for the presence of multiple chronic pain conditions in people with pain. Recent clinical findings suggest that substantial overlap may exist between chronic pain conditions. Individuals diagnosed with one disorder often exhibit characteristics of additional chronic painful conditions or transition to other diagnostic categories. A better understanding is needed of the prevalence of overlapping pain conditions, the underlying etiologies, the progression of these conditions, the evolution of these overlaps, and the therapeutic approaches best suited for treating subjects with these conditions. The main objective of this FOA is the formation of research groups with interests bridging expertise in pain mechanisms with translational and clinical expertise to address important unresolved questions about overlapping pain conditions. Applicants are encouraged to leverage existing and develop new resources pertinent to the study of these conditions. Applicants are encouraged to include researchers with complementary expertise from outside the pain field in their research teams who will enhance the breadth of research and understanding of comorbid chronic pain conditions. Deadline is September 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256634>

#### **NIDCR Small Research Grants for Data Analysis and Statistical Methodology Applied to Genome-wide Data (R03) Grant**

The purpose of this FOA is to provide support for meritorious research projects that involve secondary data analyses of genome-wide data (e.g., existing data from genome-wide association studies), relevant to human dental or craniofacial conditions or traits. Development of statistical methodology appropriate for analyzing genome-wide data, relevant to human dental or craniofacial conditions or traits, may also be proposed. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=211273>

#### **Calcium Oxalate Stone Diseases (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to increase investigator interest in research into oxalate metabolism, transport and homeostasis, and oxalate stone diseases. This initiative encourages basic, clinical or epidemiological studies that utilize new and innovative approaches to study the diagnosis, treatment and prevention of these disorders. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=211233>

#### **Basic Research on HIV Persistence (R21) Grant**

This Funding Opportunity Announcement (FOA) invites Exploratory/Developmental Research Grant (R21) applications for hypothesis-driven basic research to increase our understanding of persistent HIV-1 infection in patients under highly active anti-retroviral therapy (HAART). The emphasis of this initiative is on the development of new ideas and approaches in HIV-1 persistence including model and assay development that may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256716>

#### **Basic Research on HIV Persistence (R01) Grant**

This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications for hypothesis-driven basic research to increase our understanding of persistent HIV-1 infection in patients under highly active anti-retroviral therapy (HAART). The emphasis of this initiative is on the development of new ideas and approaches in HIV-1 persistence including model and assay development that may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS. The Research Project Grant (R01) supports a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). Deadline is January 7, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256717>

#### **NIA Clinical Trial Planning Grant Program (R34) Grant**

The NIA is committed to identifying effective treatments for diseases and conditions associated with aging, including disorders of neural systems and to ascertain the associated health outcomes by supporting robust, well-planned and designed, and well-executed clinical trials. This funding opportunity announcement (FOA) aims to support the planning activities needed for the successful execution of complex and multi-site clinical trials as well as the establishment of Protocol and Manual of Procedures (MOP) as recommended by the NIA Clinical Research Study Investigator's Toolbox (<http://www.nia.nih.gov/research/dgcg/clinical-research-study-investigators-toolbox/startup>). Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210653>

#### **Solid Organ Transplantation: Older Donors and Recipients (R21) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), National Institutes of Health, invites applications that propose basic, clinical, translational, epidemiological and outcomes research on solid organ transplant (SOT) in older persons. Research may focus on, but is not limited to 1) appropriate selection of older SOT donors and recipients; 2) improved management of older SOT recipients; 3) immunology and immunosuppression pertaining to older SOT patients; and 4) healthcare disparities, utilization and costs of SOT in older patients. Research supported by this initiative is expected to enhance knowledge of immunobiology in aging and transplantation, and to provide evidence-based guidance to improve access to transplantation, organ allocation and utilization, graft survival, and short- and long-term outcomes of SOT in older persons. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210096>

#### **Solid Organ Transplantation: Older Donors and Recipients (R03) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), National Institutes of Health, invites applications that propose basic, clinical, translational, epidemiological and outcomes research on solid organ transplant (SOT) in older persons. Research may focus on, but is not limited to 1) appropriate selection of older SOT donors and recipients; 2) improved management of older SOT recipients; 3) immunology and immunosuppression pertaining to older SOT patients; and 4) healthcare disparities, utilization and costs of SOT in older patients. Research supported by this initiative is expected to enhance knowledge of immunobiology in aging and transplantation, and to provide evidence-based guidance to improve access to transplantation, organ allocation and utilization, graft survival, and short- and long-term outcomes of SOT in older persons. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210095>

#### **Solid Organ Transplantation: Older Donors and Recipients (R01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), National Institutes of Health, invites applications that propose basic, clinical, translational, epidemiological and outcomes research on solid organ transplant (SOT) in older persons. Research may focus on, but is not limited to 1) appropriate selection of older SOT donors and recipients; 2) improved management of older SOT recipients; 3) immunology and immunosuppression pertaining to older SOT patients; and 4) healthcare disparities, utilization and costs of SOT in older patients. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210094>

#### **Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (U01) Grant**

Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (U01). Deadline is June 19, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210033>

#### **Agency for Health Care Research and Quality AHRQ Mentored Clinical Scientist Research Career Development Award (K08) Grant**

This funding opportunity announcement (FOA) solicits individual Mentored Clinical Scientist Research Career Development (K08) grant applications from applicant organizations. The overall goal of AHRQ-supported career development programs is to help ensure that a diverse pool of highly trained health services researchers are available in adequate numbers and in appropriate research areas to address the mission and priorities of AHRQ. Deadline is February 12, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=210633>

#### **Erythropoiesis: Components and Mechanisms (R01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include

genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=209833>

#### **NEI Research Grant for Secondary Analysis (R21) Grant**

This FOA issued by the National Eye Institute (NEI), National Institutes of Health (NIH), encourages applications from institutions/organizations that propose to conduct secondary data analyses utilizing existing database resources. Applications may be related to, but must be distinct from, the specific aims of the original data collection. The NEI supports an extensive portfolio of clinical trials and large-scale epidemiologic research projects, wherein numerous data collection activities are required to meet each project's specific aims. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions or develop new analytical approaches secondary to a project's originally-intended purpose. Data are not limited to those collected under NEI support but such data are of the highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data, but this FOA may not be used to support the collection of new data. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=209813>

#### **Technology Development for Protein Modeling (R01) Grant**

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=209054>

#### **Technology Development for High-Throughput Structural Biology Research (R01) Grant**

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA. Applications should focus on methods development to solve challenging proteins that are not currently amenable to high-throughput structural biology. These challenging proteins include, but are not limited to, membrane proteins, small protein complexes, and proteins from human and other higher eukaryotes. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=209033>

#### **Stimulating Hematology Investigation: New Endeavors (SHINE) (R01) Grant**

The Stimulating Hematology Investigation: New Endeavors (SHINE) program is intended to promote innovative, high quality hematology research relevant to the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). In the SHINE program, NIDDK invites investigator-initiated research project grant applications in specific areas of basic and translational hematology research where needs and opportunities for progress are particularly timely. Specific research topic areas supported by the SHINE program, as outlined below, will change over time and be updated annually through the NIH Guide to Grants and Contracts. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=209013>

#### **Opportunities for Collaborative Research at the NIH Clinical Center (U01) Grant**

The goal of this funding opportunity announcement (FOA) is to support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. This opportunity is specifically to promote partnerships between NIH intramural investigators (e.g., those conducting research within the labs and clinics of the NIH) and extramural investigators (e.g., those conducting research in labs outside the NIH). It will provide support for extramural investigators to take advantage of the unique research opportunities available at the NIH Clinical Center by conducting research projects in collaboration with NIH intramural investigators. Deadline is March 20, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=208573>

### **International Research Ethics Education and Curriculum Development Award (R25) Grant**

The goal of this initiative is strengthen research ethics capacity in low- and middle-income countries (LMICs) through increasing the number of scientists, health professionals and relevant academics from these countries with in-depth knowledge of the ethical principles, processes and policies related to international clinical and public health research as well as the critical skills to develop research ethics education, ethical review leadership and expert consultation to researchers, their institutions, governments and international research organizations. Deadline is May 22, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=208153>

### **Selected Topics in Transfusion Medicine (R01) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study research topics in blood banking and transfusion medicine aimed at improving the safety and availability of the blood supply and the practice of transfusion medicine. Specifically, research focused on improving blood donor health, the safety and availability of blood products, and improving the practice of transfusion medicine is critical to public health. Research designed to better understand the determinants of transfusion-associated adverse events and how best to minimize transfusion risks is also important. Research is also needed to maintain an adequate blood supply by minimizing the risks associated with the donation process and developing enhanced recruitment and retention programs. Deadline is January 7, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=208074>

### **Selected Topics in Transfusion Medicine (R21) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study research topics in blood banking and transfusion medicine aimed at improving the safety and availability of the blood supply and the practice of transfusion medicine. Specifically, research focused on improving blood donor health, the safety and availability of blood products, and improving the practice of transfusion medicine is critical to public health. Research designed to better understand the determinants of transfusion-associated adverse events and how best to minimize transfusion risks is also important. Research is also needed to maintain an adequate blood supply by minimizing the risks associated with the donation process and developing enhanced recruitment and retention programs. Deadline is January 7, 2017.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=208073>

### **NIDCD Research Core Centers (P30) Grant**

The NIDCD P30 Core Center contains one or more research-serving cores providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Deadline is October 1, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=208013>

### **Prescription Drug Abuse (R01) Grant**

The National Institute on Drug Abuse (NIDA) encourages applicants to develop innovative research applications on prescription drug abuse, including research to examine the factors contributing to prescription drug abuse; to characterize the adverse medical, mental health and social consequences associated with prescription drug abuse; and to develop effective prevention and service delivery approaches and behavioral and pharmacological treatments. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=205493>

### **Agency for Health Care Research and Quality AHRQ Conference Grant Program (R13) Grant**

The Agency for Healthcare Research and Quality (AHRQ), announces its interest in supporting conferences through the AHRQ Conference Grant Program. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where



faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. Deadline is November 1, 2016.  
<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=206094>

**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Developmental Biology (T32) Grant**

This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research. Deadline is May 25, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=206253>

**Epigenetic Inheritance and Transgenerational Effects of Alcohol (R01) Grant**

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), encourages Research Project Grant (R01) applications proposing to conduct mechanistic studies in humans and animal models on alcohol-induced transgenerational effects and the role of epigenetic inheritance in these effects. Deadline May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=203155>

**Initiative to Maximize Research Education in Genomics: Courses (R25) Grant**

This funding opportunity supports short, advanced level courses that are intended to disseminate new techniques, methods, and analyses related to the mission of the NHGRI. Deadline is May 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=204914>

**HIV/AIDS, Drug Use, and Vulnerable Populations in the US (R21) Grant**

Despite progress in HIV/AIDS treatment and prevention and reductions in HIV/morbidity and mortality, HIV/AIDS health disparities remain a challenge that must be addressed. This FOA encourages research to identify the role(s) that drug abuse plays in fueling the epidemic in vulnerable groups (racial/ethnic minorities, men who have sex with men (MSM), youth) in the United States and to develop effective interventions to prevent new infections and to improve the health and well-being of those living with HIV/AIDS. This FOA will support studies in vulnerable populations to: 1) understand the contribution of drug abuse (both injection and non-injection) to the acquisition and/or transmission of HIV; 2) study disease progression and disease outcomes; 3) develop and/or improve prevention and treatment interventions, particularly comprehensive, integrated interventions; 4) improve the availability, delivery and quality of evidence-based prevention and treatment services across a variety of settings; and 5) address organizational, structural, and/or community level factors including social, drug-using, and sexual networks associated with health disparities. Deadline January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=200254>

**HIV/AIDS, Drug Use, and Vulnerable Populations in the US (R01) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=200273>

**Revisions for Early-Stage Development of Informatics Technology (R01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage revision applications (formerly called "competing revisions") from currently funded NCI R01 and R37 (MERIT) research projects for early-stage development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative, this FOA aims to promote interdisciplinary collaboration in the development of innovative computational methods and informatics approaches that are essential for cancer research on all fronts to accelerate scientific discovery and ultimately translate data into knowledge and clinical practice. Applications that focus on data processing and analysis or mathematical/statistical modeling alone without new technology development are not appropriate for this FOA. Deadline is June 18, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202293>

**Advanced Development of Informatics Technology (U24) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement (U24) applications for advanced development and enhancement of emerging informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge in cancer research. An emerging informatics technology is defined as one that has passed the initial prototyping and pilot development stage, has demonstrated potential to have a significant and broader impact, has compelling reasons for further improvement and enhancement, and has not been widely adopted in the cancer research field. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. Deadline is June 18, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202294>

**Early-Stage Development of Informatics Technology (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement (U01)

applications for the development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge in cancer research. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative, this FOA focuses on early-stage development from prototyping to hardening and adaptation. The central mission of the ITCR is to promote research-driven informatics technology development. In order to be successful, proposed development plans must have a clear rationale on why the proposed technology is needed and how it will benefit the cancer research community. In addition, mechanisms to solicit feedback from users and collaborators throughout the development process should be included. Applications that focus on data processing and analysis or mathematical/statistical modeling alone without new technology development are not appropriate for this FOA. Deadline is June 18, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202295>

#### **Revisions for Early-Stage Development of Informatics Technology (U01) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to invite revisions (formerly called "competing revisions") from currently funded NCI U01 cooperative agreement projects for early-stage development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative, this FOA aims to promote interdisciplinary collaboration in the development of innovative computational methods and informatics approaches that are essential for cancer research on all fronts to accelerate scientific discovery and ultimately translate data into knowledge and clinical practice. Applications that focus on data processing and analysis or mathematical/statistical modeling alone without new technology development are not appropriate for this FOA. Deadline is June 18, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202296>

#### **Revisions for Early-Stage Development of Informatics Technology (P01) Grant**

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=202297>

#### **Pilot Intervention and Services Research Grants (R34) Grant**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span. NIAAA prevention, treatment, and services research is aimed at preventing or ameliorating alcohol use disorders, related emotional or behavioral problems, and the co-occurrence of other mental, physical, and substance abuse problems, HIV/AIDS, and the functional consequences of these problems across the life span. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=199533>

#### **Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21] Grant**

The purpose of this FOA is to encourage Exploratory/Developmental Bioengineering Research Grants (EBRG) applications which establish the feasibility of technologies, techniques or methods that: 1) explore a unique multidisciplinary approach to a biomedical challenge; 2) are high-risk but have a considerable pay-off; and 3) develop data which can lead to significant future research. An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research and is appropriate for evaluating unproven approaches for which there is minimal or no preliminary data. Deadline January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=200600>

#### **Lymphatics in Health and Disease in the Digestive, Urinary, Cardiovascular and Pulmonary Systems (R01) Grant**

This FOA is to encourage Research Project Grant (R01) applications for research into aspects of lymphatic vessel physiology and pathophysiology related to health and disease of digestive system and urinary tract organs, and cardiovascular and pulmonary systems; in resolution of thromboembolic events; and inflammation and immune responses as they relate to these diseases. However, studies with the major focus on immune mechanisms will not be considered responsive. Studies to understand the factors that control local lymphatic vessel functional anatomy and physiology during health or disease in these organs/systems, and the mechanisms by which alterations of lymphatic vessel function affect organ function, are of interest. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=190294>

#### **New Technologies for the Study of Lymphatics in the Digestive and Urinary Systems (R43/R44) Grant**

This FOA is to encourage Small Business Innovation Research (SBIR) applications for research to develop reagents, tools and technologies to accelerate research on lymphatic vessel physiology and pathophysiology in digestive system and urinary tract organs. The announcement does not focus on immune mechanisms; however

tools that will aid studies to understand the factors that direct local lymphatic vessel functional anatomy and physiology during health, inflammation and disease in digestive and urinary tract organs, and the mechanisms by which alterations of lymphatic vessel function affect organ function, are of interest. Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=190293>

#### **NIOSH Small Research Program (R03)**

U.S. Department of Health and Human Services; Centers for Disease Control and Prevention; National Institute for Occupational Safety and Health notice seeking applications to develop an understanding of the risks and conditions associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Applications are due February 16, June 16, and October 16 annually. LINKS: Solicitation

<http://grants.nih.gov/grants/guide/pa-files/PAR-12-200.html>, Grants.gov notice

<http://www.grants.gov/search/search.do?mode=VIEW&opId=188233>

#### **NIOSH Exploratory/Developmental Grant Program (R21)**

U.S. Department of Health and Human Services; Centers for Disease Control and Prevention; National Institute for Occupational Safety and Health notice seeking applications to develop an understanding of the risks and conditions associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Applications are due October 16, February 16, and June 16 annually until September 8, 2015. Colleges and universities are eligible to apply. LINKS: Solicitation

<http://grants.nih.gov/grants/guide/pa-files/PAR-12-252.html>, Grants.gov notice

<http://www.grants.gov/search/search.do?mode=VIEW&opId=188173>

#### **Renal Function and Chronic Kidney Disease in Aging (R21) Grant**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in older adults; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in older adults and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=176333>

#### **Senior Scientist Research Award (K05) Grant**

The purpose of the Senior Scientist Research (K05) is intended to provide protected time for outstanding senior scientists who have demonstrated a sustained high level of productivity conducting biomedical research relevant to the scientific mission of the appropriate institute to focus on their research and to provide mentoring of new investigators. Deadline is May 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=163913>

#### **NCI Exploratory/Developmental Research Grant Program (NCI Omnibus R21) Grant**

The National Cancer Institute (NCI) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in all areas of cancer research. The R21 mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of cancer research (biomedical, behavioral, or clinical). Deadline is September 7, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&opId=160033>

#### **Environmental Exposures and Health: Exploration of Non-Traditional Settings, (R01) Grant**

The purpose of this funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Institute of Environmental Health Sciences (NIEHS) is to encourage interdisciplinary research aimed at promoting health, limiting symptoms and disease, and reducing health disparities in children and older adults living or spending time in non-traditional settings. These settings result in exposure to environmental pollutants and toxins that result in health risks, symptoms, and other health conditions/diseases including lower respiratory diseases, chronic obstructive pulmonary disease, and cardiovascular diseases. For purposes of this FOA, non-traditional settings, for children and older adults, include, but are not limited to places such as community centers, pre-school and non-traditional school environments (e.g., churches, daycare, home-based schools, dormitories, and alternative schools), child and older adult foster

care facilities, older adult day care facilities, half-way homes, assisted living and long-term care facilities. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=158194>

#### **Environmental Exposures and Health: Exploration of Non-Traditional Settings, (R21) Grant**

The purpose of this funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Institute of Environmental Health Sciences (NIEHS) is to encourage interdisciplinary research aimed at promoting health, limiting symptoms and disease, and reducing health disparities in children and older adults living or spending time in non-traditional settings. These settings result in exposure to environmental pollutants and toxins that result in health risks, symptoms, and other health conditions/diseases including lower respiratory diseases, chronic obstructive pulmonary disease, and cardiovascular diseases. Risk identification and symptom management include prevention and behavior changes and actions to maintain health and prevent disease with an emphasis on the individual, family, and community which will advance nursing science. For purposes of this FOA, non-traditional settings, for children and older adults, include, but are not limited to places such as community centers, pre-school and non-traditional school environments (e.g., churches, daycare, home-based schools, dormitories, and alternative schools), child and older adult foster care facilities, older adult day care facilities, half-way homes, assisted living and long-term care facilities. Deadline is January 7, 2016.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=158193>

#### **NHLBI Career Transition Award (K22) Grant**

The purpose of the NHLBI Career Transition Award (K22) program is to provide highly qualified postdoctoral fellows with an opportunity to receive mentored research experience in the NHLBI Division of Intramural Research and then to provide them with funding to facilitate the transition of their research programs as new investigators to extramural institutions. To achieve these objectives, the NHLBI Career Transition Award will support two phases of research: a mentored intramural phase (two years) and an extramural phase (three years), for a total of five years of combined support. Transition from the intramural phase of support to the extramural phase is not automatic. Approval of the transition will be based on the success of the awardees research program as determined by an NHLBI progress review, which will include an evaluation of a research plan to be carried out at the extramural institution. Deadline is September 6, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=158114>

#### **Role of the Microflora in the Etiology of Gastro-Intestinal Cancer (R01) Grant**

This Funding Opportunity Announcement (FOA) encourages innovative multidisciplinary research projects that will advance our mechanistic understanding of microflora influences on Gastro-Intestinal (GI) carcinogenesis. Recent advances in our knowledge of GI microflora composition and function have generated a flood of new information, technologies, and capabilities that may for the first time allow mechanistic investigations of very complex, networked host/microbiome interactions on a systems wide scale. This FOA encourages investigators to ingrate this new information into hypothesis-driven studies that can define and validate molecular mechanisms that determine microbe-induced carcinogenic outcomes. Applicants may integrate information from existing large data sets, including metagenomic data sets, or may also propose to generate appropriate new data sets, including but not limited to analysis of host and microbial genomes, proteomes, metabolomes, post-translational modifications, secreted signals, and protein-protein interaction data. An additional goal of this program is to encourage collaborative efforts between scientists currently engaged in GI cancer research with those in scientific disciplines that may not otherwise apply their expertise to study cancer etiology and prevention. Investigators particularly from the disciplines of microbiology, microbial ecology, molecular biology, immunology, nutrition sciences, bioinformatics, and computational sciences are encouraged to apply. A value added from stimulating integrated, multidisciplinary experimental approaches may include the discovery of emergent properties of the GI ecosystem that could not be elucidated using either descriptive bioinformatics or molecular studies alone. Deadline is March 3, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256537>

#### **NIOSH Support for Conferences and Scientific Meetings (U13) Grant**

The purpose of the NIOSH Conference and Scientific Meeting Cooperative Program (U13) is to support high quality and impact scientific conferences/meetings that are relevant to NIOSH's scientific mission, program priorities, and to the public health. The mission of NIOSH is to generate new knowledge in the field of occupational safety and health and to transfer that knowledge into practice for the betterment of workers. Deadline is December 13, 2016.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256754>

#### **Translational Programs in Lung Diseases (P01) Grant**

This Funding Opportunity Announcement (FOA) invites submission of Program Project (P01) applications from institutions/organizations that will perform collaborative, translational research with the goal of using mechanistic research as the basis for the rational design of clinical applications to improve prevention, diagnosis and/or

treatment of lung diseases and sleep disorders. Deadline is May 19, 2017.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=256594>

## **USAID**

### **Private Funding Sources/ Other**

**Request for Applications from the Consortium to Alleviate Posttraumatic Stress Disorder (CAP) funded jointly by the Department of Defense (DOD) and Department of Veterans Affairs (VA).**

The Consortium to Alleviate PTSD (CAP) will provide an array of cutting-edge clinical treatment trials and biological studies for active military and veterans with PTSD and related conditions, said CAP Consortium Director Alan L. Peterson, Ph.D., professor of psychiatry in the School of Medicine at the UT Health Science Center San Antonio. The consortium's initiatives will include efforts to learn more about the biology/physiology of PTSD development and treatment response to inform diagnosis, prediction of disease outcome, and new or improved treatment methods. Deadline is TBD.

<http://delta.uthscsa.edu/consortiumtoalleviateptsd/>

## Opportunities for Post-docs & Students

### **NIDCR Dentist Scientist Career Transition Award for Intramural Investigators (K22) Grant**

The purpose of the NIDCR Dentist Scientist Career Transition Award for Intramural Investigators (K22) program is to provide highly qualified dentists in NIH Intramural postdoctoral fellowship positions with an opportunity to receive further mentored research experience in the NIH Intramural program, and then to provide them with independent funding to facilitate the transition of their research programs as new investigators at extramural institutions. Deadline is January 7, 2018.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=271170>

### **Department of Health and Human Services, Agency for Health Care Research and Quality AHRQ Individual Awards for Postdoctoral Fellows (F32) National Research Service Awards (NRSA) Grant**

The purpose of this individual postdoctoral research training fellowship is to provide support to promising fellows with the potential to become productive, independent investigators in health services research, with a research interest in areas and priorities relevant to the mission of AHRQ. Mechanism of Support. This FOA will use the Individual Postdoctoral National Research Service Award (NRSA) grant mechanism (F32). Funds Available and Anticipated Number of Awards. The total amount to be awarded and the number of F32 fellowships awarded will depend on the quality and scientific merit of the applications received, their relevance to the program priorities of AHRQ and the availability of funds. Deadline is December 8, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=190633>

### **Postdoctoral Training Program in Obstetric and Pediatric Pharmacoepidemiology (T32) Grant**

This funding opportunity announcement (FOA) encourages applications from organizations that propose creative and innovative institutional research training programs in the mission area(s) of the NICHD. The purpose of the training program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the nations biomedical, behavioral, and clinical research needs. The goals of this training program are: (1) to encourage and support training in pediatric and/or obstetric pharmacoepidemiology; and (2) to produce a well-qualified cadre of academic investigators who are capable of conducting pharmacoepidemiologic research in children and/or pregnant women. Deadline is May 25, 2015.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=219953>