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Division of Research, Florida International University

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Vice President for Research offers “state of research” address

By Robyn Nissim

The dwindling of federal research funds will affect investigative activity at FIU in the coming years—but the university will meet the challenge head on. That was the message offered by Vice President for Research Andrés Gil during a recent review of FIU’s current research portfolio.

“Everybody knows the obvious,” Gil said of funding agencies whose budgets are either flat or declining. “It’s getting tougher.”

“Clearly, we have had remarkable growth,” he stated against a backdrop of charts showing current external funding averaging \$100 million annually. But, he added, “We must anticipate funding trends and position FIU to be responsive.”

In addition to fewer available federal dollars, the ways in which strapped agencies may choose to fund projects moving forward could also change, Gil explained. Possibilities include allocating funds by researcher, rather than by project. Additionally, monies to cover work by students might no longer be included in research grants but instead by training grants.

established as an outgrowth of the existing International Hurricane Research Center (IHRC).

“We created the institute using some of the resources of the IHRC and expanding the area [of focus],” Gil said. “For example, if you think about disasters and hurricanes, you can think from a health perspective, you can think from a political science perspective, from an economics perspective. It’s really an expansion from a center into something more interdisciplinary.”

Another way in which FIU can increase funding is to strengthen its ties to industry, particularly in the area of technology transfer, Gil said. He cited statistics that FIU currently receives 76 percent of its funding from federal agencies. His hope is to keep federal funding at current levels but to see its portion of total funding drop to about 60 percent, with the remainder coming from industry and foundations. Gil added that such a proposition is especially possible at universities with robust medical schools, which can attract substantial research monies from pharmaceutical companies. Accordingly, FIU should fare well down the road with the continuing growth of the five-year-old Wertheim College of Medicine.



A well-attended research exchange on March 20, 2014.

Another clear trend is the increasing interest by funders to reward interdisciplinary work—something FIU will have to focus on, Gil said. “We need to think from that perspective in the decisions that we make in centers and institutes and in the faculty that we hire.” Gil cited as one successful model FIU’s Extreme Events Institute, which political science professor Richard Olson es-

Gil commented on FIU President Mark Rosenberg’s recent announcement that the university’s overall strategic plan for 2015-2020 may include a push to secure the Carnegie Foundation’s “very high” research designation, a jump up from the current “high” designation that FIU holds. Gil notes that such designation is achieved by attracting more post-doctoral research fellows, graduating more Ph.D. students in STEM-related areas and improving the faculty-to-student ratio in some areas rather than FIU increasing its research funding.

Gil also talked about the Division of Research’s potential to provide funding to help departments partially cover costs for new research faculty lines as well as startup funding. He is also looking to expand his office’s resources in other ways to reduce the number of hoops for faculty and help them navigate the sometimes nebulous restrictions that apply to grant expenditures.

“I want to improve services with the goal of reducing faculty administrative burden,” he said. “I really want that.”

Upcoming Events

April 2014

April 3 from 3:30 to 5 pm, GC 150 (with reception in Faculty Club to follow), No Offense! CRLT Theatre Performance, the University of Michigan's Center for Research, Learning and Teaching (CRLT) Players (in a new performance), in collaboration with NSF ADVANCE/Women in Science.

April 4 from 9 to 10 am, EC 1112, "From Concept to Market: Bringing a Medical Device to Life" by [Dr. Joseph Hidler](#), part of the Wallace H. Coulter Foundation BME Seminar Series.

April 10, 3:30 to 4:45 pm, AHC 4 #402, "Publishing in Peer-Reviewed Journals" with Drs. [Raúl González](#), [Evelyn Gaiser](#), [Anthony McGoron](#), [Mary Jo Trepka](#) and [Piero Gardinali](#).

April 11, 12 to 2 pm, AHC 3 #214, "Using Pairing Effectively to Increase Social Motivation" by Paloma Pedraza Rodríguez

April 23 from 12 to 2 pm, AHC 1 #110, Summer Planning Workshop & Networking Lunch sponsored by the Faculty Mentor Program.

April 30 from 1 to 7 pm and May 1 from 8:30 am to 5 pm, SIPA Auditorium, [Third Annual Forensic Science Symposium](#).

May 2014

May 2—details forthcoming—Professor [Philip C. Hanawalt](#), Department of Biology, Stanford University will speak as part of the Biomolecular Sciences Institute seminar series. This event is hosted by [Yuan Liu](#), Ph.D.

May 6, 10 am to 3 pm, CBC Special Events Center, FIU Women Faculty Leadership Institute, networking lunch included. [Dr. Stephanie Goodwin](#) is the keynote speaker.

Awards Received—February 2014

Florida International University researchers were awarded \$6,600,686 in February 2014. Below is a summary:

PI: Marisela Agudelo

COM IMMUNOLOGY

Award Action Type: Continuation

AWARDING SPONSOR: National Institutes of Health

TITLE: EtOH-induced Immunomodulation: Role of Histone Deacetylases and Cannabinoid Genes

AWARD: \$ 79,606

PI: Benjamin C Amick III

HEALTH POLICY AND MGMT

Award Action Type: Initial

AWARDING SPONSOR: Univ of Texas Health Science Ctr Houston

TITLE: Services Agreement - New Year New You

AWARD: \$ 42,196

PI: Joann Arnowitz

JEWISH MUSEUM OF FLORIDA-FIU

Award Action Type: Initial

AWARDING SPONSOR: Miami-Dade County Cultural Affairs

TITLE: Marketing for 2013-14 Exhibit Season

AWARD: \$ 10,000

PI: Joann Arnowitz

JEWISH MUSEUM OF FLORIDA-FIU

Award Action Type: Initial

AWARDING SPONSOR: Miami-Dade County Cultural Affairs

TITLE: Jewish Museum of Florida Major Cultural Institutions (MCI) FY 13-14

AWARD: \$ 163,074

PI: David Richard Brown
COM HUMANITIES HLTH AND SOC
Award Action Type: Increase
AWARDING SPONSOR: Ware Foundation
TITLE: FIU HWCOM Student Motivational Interviewing Training and Research **AWARD:** \$ 10,000

PI: Alexander Casas
UNIVERSITY POLICE
Award Action Type: Increase
AWARDING SPONSOR: National Oceanic and Atmospheric Admin
TITLE: Guard Services for the National Hurricane Center **AWARD:** \$ 278,511

PI: Mario R De La Rosa
CRUSADA
Award Action Type: Supplemental
AWARDING SPONSOR: Minority Health and Health Disparities
TITLE: A Longitudinal Study of substance Abuse and HIV Risk Among Adult Latina Mother-Daughter **AWARD:** \$ 312,648

PI: Maria C Donoso
EARTH AND ENVIRONMENT
Award Action Type: Increase
AWARDING SPONSOR: US Agency for International Development
TITLE: West Africa Water Supply **AWARD:** \$ 300,000

PI: George S Dulikravich
MECHANICAL AND MAT ENGINEERING
Award Action Type: Initial
AWARDING SPONSOR: Georgia Institute of Technology
TITLE: Multi-Objective, Multi-Disciplinary Design Optimization of Multi-Floor, Microelectronics Cooling **AWARD:** \$ 33,990

PI: Kristopher P Fennie
EPIDEMIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: Yale University
TITLE: Implementation of Practice Standards for ECG Monitoring **AWARD:** \$ 3,552

PI: Francisco Alberto Fernandez Lima
CHEMISTRY
Award Action Type: Increase
AWARDING SPONSOR: BP Exploration & Production Inc.
TITLE: Methods/protocol establishment, chemical characterization and toxicity studies to better understand organism exposures to oil, an important step towards more accurate ecological risk assessments **AWARD:** \$ 50,000

PI: Francisco Alberto Fernandez Lima
CHEMISTRY
Award Action Type: Increase
AWARDING SPONSOR: BP Exploration & Production Inc.
TITLE: Development of an Empirical Database of Aquatic Toxicity Data with a Selected Group of Polyaromatic Hydrocarbons **AWARD:** \$ 50,000

PI: Irma B Fernandez OFFICE OF COMMUNITY ENGAGEMENT Award Action Type: Continuation AWARDING SPONSOR: SRA International Inc. TITLE: SRA-CCT Mentor Protégé Project	AWARD: \$ 35,996
PI: Irma B Fernandez OFFICE OF COMMUNITY ENGAGEMENT Award Action Type: Continuation AWARDING SPONSOR: SRA International Inc. TITLE: SRA-CCT Mentor Protégé Project - Travel Category	AWARD: \$ 5,612
PI: F Javier Francisco Ortega BIOLOGY Award Action Type: Increase AWARDING SPONSOR: Fairchild Tropical Botanic Garden TITLE: Managing the Fairchild Challenge Program	AWARD: \$ 3,500
PI: Howard A Frank METROPOLITAN CENTER Award Action Type: Initial AWARDING SPONSOR: Citizens Independent Transportation Trus TITLE: CITT Transportation Community Forum: A Listening Session	AWARD: \$ 17,143
PI: Cheng-Tin Gan CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: Florida Department of Transportation TITLE: Pedestrian Safety Campaign Support and Data Collection of Driver and Pedestrian Behavior at Rectangular Rapid Flashing Beacon Locations	AWARD: \$ 30,000
PI: Nazife E Ganapati PUBLIC ADMINISTRATION Award Action Type: Increase AWARDING SPONSOR: National Science Foundation TITLE: Graduate Research Fellowship Program - Dr. Ganapati	AWARD: \$ 3,256
PI: Gail Gregg COE TEACHING AND LEARNING Award Action Type: Increase AWARDING SPONSOR: Early Learning Coalition of Dade/Monroe TITLE: Data Management Services 2013	AWARD: \$ 14,693
PI: Jeffrey A Groom NURSING UNDERGRADUATE Award Action Type: Increase AWARDING SPONSOR: Sheridan HealthCorp Inc. TITLE: Sheridan HealthCorp Faculty Support Agreement	AWARD: \$ 125,046
PI: Boyuan Guan LIBRARY OPERATIONS Award Action Type: Initial AWARDING SPONSOR: Miami-Dade County MPO TITLE: Safe Routes to School Online Walk to School Route Planner Phase II	AWARD: \$ 100,000

PI: Lei Guo**PHYSICS****Award Action Type:** Continuation**AWARDING SPONSOR:** Jefferson Lab**TITLE:** Hadron Spectroscopy at Jefferson Lab**AWARD:** \$ 17,909**PI:** Ismail Guvenc**ELEC AND COMPUTER ENG****Award Action Type:** Initial**AWARDING SPONSOR:** DOCOMO Innovations Inc**TITLE:** Compressive Sensing for Improving Accuracy of Fingerprint based Indoor Localization**AWARD:** \$ 10,000**PI:** Mohammed A Hadi**CIVIL AND ENVIRON ENGINEERING****Award Action Type:** Initial**AWARDING SPONSOR:** Miami-Dade Expressway Authority**TITLE:** MDX Regional Informed Traveler Program (ITP) Analysis**AWARD:** \$ 265,261**PI:** Mohammed A Hadi**CIVIL AND ENVIRON ENGINEERING****Award Action Type:** Increase**AWARDING SPONSOR:** University of Florida**TITLE:** STRIDE Internal Steering Committee**AWARD:** \$ 24,661**PI:** Mohammed A Hadi**CIVIL AND ENVIRON ENGINEERING****Award Action Type:** Increase**AWARDING SPONSOR:** University of Florida**TITLE:** STRIDE Internal Steering Committee: Supplemental Funding**AWARD:** \$ 6,999**PI:** Pedro Hernandez**DOR - DIVISION OF RESEARCH****Award Action Type:** Initial**AWARDING SPONSOR:** CareerSource North Central Florida**TITLE:** Response for Invitation to Negotiate (ITN) for Technology Commercialization Services and Support for StartUp Quest Program**AWARD:** \$ 14,975**PI:** Michelle Hospital**PSYCHOLOGY****Award Action Type:** Increase**AWARDING SPONSOR:** Ware Foundation**TITLE:** Enhancing Resilience among At-Risk Minority Youth through Music Education: An Evaluation of ESMIA (aka, Project TREBLE) Resilience among At Risk Minority Youth through Music Education**AWARD:** \$ 35,000**PI:** Xia Jin**CIVIL AND ENVIRON ENGINEERING****Award Action Type:** Initial**AWARDING SPONSOR:** Florida Department of Transportation**TITLE:** Investigating the Value of Time and Value of Reliability for Managed Lanes**AWARD:** \$ 150,000

PI: Laird H Kramer
STEM INSTITUTE
Award Action Type: Initial
AWARDING SPONSOR: UTeach Institute
TITLE: FIUTeach Project **AWARD:** \$ 1,450,000

PI: Debra Lundy
SCH OF HOSP AND TOURISM MGMT
Award Action Type: Initial
AWARDING SPONSOR: Miami Beach Visitor & Convention Authori
TITLE: 2014 Food Network South Beach Wine & Food Festival **AWARD:** \$ 59,500

PI: Lindsay Malloy
PSYCHOLOGY
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: Graduate Research Fellowship Program - Dr. Malloy **AWARD:** \$ 3,256

PI: Norman D Munroe
OSAS ENGINEERING AND COMPUTING
Award Action Type: Increase
AWARDING SPONSOR: National Action Council for Minorities
TITLE: NACME Initiative at Florida International University **AWARD:** \$ 37,000

PI: Edward P Murray
METROPOLITAN CENTER
Award Action Type: Initial
AWARDING SPONSOR: Broward County
TITLE: 2013 Broward County Affordable Housing Needs Assessment **AWARD:** \$ 30,000

PI: Madhavan P Nair
COM IMMUNOLOGY
Award Action Type: Continuation
AWARDING SPONSOR: National Institutes of Health
TITLE: Cocaine in the Neuropathogenesis of HIV infection: Role of HDAC-2 **AWARD:** \$ 327,203

PI: Rajamani S Narayanan
PHYSICS
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: Lattice Gauge Theory and Hadronic Physics **AWARD:** \$ 103,067

PI: Winifred Elysse Newman
ARCHITECTURE
Award Action Type: Increase
AWARDING SPONSOR: FIU Foundation
TITLE: District 11 Strategic Development Plan **AWARD:** \$ 9,700

PI: Richard Olson
LATIN AMERICAN AND CARIB CTR
Award Action Type: Increase
AWARDING SPONSOR: US Agency for International Development
TITLE: Disaster Risk Reduction in the Americas **AWARD:** \$ 4,452

PI: Nezhil Pala ELEC AND COMPUTER ENG Award Action Type: Continuation AWARDING SPONSOR: University of Utah TITLE: 3D Simulation of THz Plasmonic Structures	AWARD: \$ 49,500
PI: Richard C Palmer ROBERT STEMPEL CPHSW DEANS OFF Award Action Type: Increase AWARDING SPONSOR: Health Foundation of South Florida TITLE: Healthy Aging Regional Collaborative	AWARD: \$ 78,000
PI: Alpesh Kantilal Patel ART AND ART HISTORY Award Action Type: Initial AWARDING SPONSOR: City of Miami Beach TITLE: City of Miami Beach Junior Cultural Anchor Grant 2013-2014	AWARD: \$ 11,540
PI: William E Pelham Jr CENTER FOR CHILDREN AND FAM Award Action Type: Continuation AWARDING SPONSOR: Institute of Education Sciences TITLE: A Summer Preparatory Program for Middle and High School Students with ADHD	AWARD: \$ 1,080,329
PI: William E Pelham Jr CENTER FOR CHILDREN AND FAM Award Action Type: Continuation AWARDING SPONSOR: National Institutes of Health TITLE: Increasing Academic Success in Middle School Students with ADHD	AWARD: \$ 162,658
PI: Gang Quan ELEC AND COMPUTER ENG Award Action Type: Increase AWARDING SPONSOR: National Science Foundation TITLE: CSR: Small: Collaborative: Application-Aware Virtualization Techniques for Real-Time Embedded Computing on Defect-Tolerant Manycore Systems	AWARD: \$ 16,000
PI: Jessica Ramella Roman BIOMEDICAL ENGINEERING Award Action Type: Initial AWARDING SPONSOR: MedStar Health Research Institute TITLE: Rehabilitation Research and Training Center on Secondary Conditions in Rehabilitation of Individuals with Spinal Cord Injury - R3	AWARD: \$ 15,085
PI: Jennifer Rehage SOUTHEAST ENV RESEARCH CTR Award Action Type: Increase AWARDING SPONSOR: U.S. Army Corps of Engineers TITLE: Role of Marsh-Mangrove Interface habitats as aquatic refuges for wetland fishes and other aquatic animals	AWARD: \$ 80,476

PI: Allan Rosenbaum
INST PUB MGMT & COMM SERVICE
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade County Port of Miami
TITLE: XX Inter-American Conference of Mayors and Local Authorities **AWARD:** \$ 77,063

PI: Joel Trexler
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Army
TITLE: The Effects of Wet Season Hydrology Patterns on Prey Populations that Support Wading Bird Populations **AWARD:** \$ 315,780

PI: Tiffany Troxler
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Initial
AWARDING SPONSOR: South Florida Water Management District
TITLE: Ecological Monitoring of Water and Habitat Quality Associated with the C-111 Spreader Canal Project **AWARD:** \$ 86,323

PI: Eric Wagner
SCHOOL OF SOCIAL WORK
Award Action Type: Supplemental
AWARDING SPONSOR: Ware Foundation
TITLE: Reducing Underage Drinking among South Florida Teenagers **AWARD:** \$ 32,250

PI: Susan E Webster
BIOLOGY
Award Action Type: Initial
AWARDING SPONSOR: IREX
TITLE: Young African Leaders Initiative (YALI) **AWARD:** \$ 100,000

PI: Aaron Z Welch
SCH OF HOSP AND TOURISM MGMT
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of Agriculture
TITLE: Selection for strains of *Saccharomyces cerevisiae* with enhanced Ochratoxin-A detoxification capabilities **AWARD:** \$ 250,000

PI: John C Withey
BIOLOGY
Award Action Type: Initial
AWARDING SPONSOR: Resources for the Future
TITLE: Assessing the Cost of the Critical Habitat Rule under the Endangered Species Act: A Retrospective Study of Regulatory Performance **AWARD:** \$ 27,876

Limited Submission Funding Opportunities

Below is a limited submission funding opportunity with an internal deadline for the months of May and June 2014.

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NIH	Developing and Improving Institutional Animal Resources (G20) (PAR-13-219)	Only one application per institution is allowed.	6/02/2014	8/01/2014
NSF	NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) (NSF 12-529)	An Institution may submit one proposal from each constituent school or college that awards degrees in an eligible field.	6/12/2014	8/12/2014

Please visit our website at: <http://research.fiu.edu/funding/pages/limited-submissions.html> to review our monthly limited submissions or for further instructions on how to prepare and/or submit your limited submission application.

Funding Opportunities

Department of Defense

Ovarian Cancer Research Program - Funding Opportunities for Fiscal Year 2014 (FY14)

Funding Opportunity Number: N/A

Application Deadline: Pre-application and application deadlines will be available when the Program Announcements are released.

Description: The FY14 Defense Appropriations Act provides \$20 million (M) to the Department of Defense Ovarian Cancer Research Program (OCRP) to support innovative, high-impact ovarian cancer research. This program is administered by the US Army Medical Research and Materiel Command (USAMRMC) through the Office of Congressionally Directed Medical Research Programs (CDMRP). The OCRP is providing the information in this pre-announcement to allow investigators time to plan and develop applications. FY14 OCRP Program Announcements and General Application Instructions for the following award mechanisms are anticipated to be posted on the Grants.gov website in March and April 2014. This pre-announcement should not be construed as an obligation by the government. Funding is contingent on receipt of appropriations.

Clinical Translational Leverage Award

- Must be an independent investigator at or above the level of Assistant Professor (or equivalent)
- Supports leveraging of human-based ovarian cancer resources in translational research to address high-impact research or unmet needs in ovarian cancer
- Early-stage clinical trials are allowed; cost sharing is required for applications including a clinical trial
- Pre-application is required; application is by invitation only
- Maximum funding of \$250,000 in direct costs (plus indirect costs)
- Period of performance should not exceed 2 years

Investigator-Initiated Research Award

- Must be an independent investigator at or above the level of Assistant Professor (or equivalent)
- Supports meritorious basic and clinically oriented research in ovarian cancer
- Impact is an important review criterion.
- Preliminary data are required
- Clinical trials are not allowed
- Pre-application is required; application is by invitation only
- Maximum funding of \$450,000 in direct costs (plus indirect costs)
- Period of performance should not exceed 3 years

Ovarian Cancer Academy Award - Early-Career Investigator

- Early-Career Investigator must be within the first 3 years of his/her first faculty position (or equivalent) at the time of submission. The first faculty position (or equivalent) may be either tenure-track or non-tenure track.
- Designated Mentor must be an independent ovarian cancer researcher and at the same institution as the Early-Career Investigator.
- Supports the addition of new Early-Career Investigators to the unique, interactive virtual academy that will provide intensive mentoring, national networking, and a peer group for junior faculty
- Designated mentor who is an experienced ovarian cancer researcher with ovarian cancer funding is required for Early-Career Investigators
- Preliminary data are required
- Institutional match of \$50,000 per year is required
- Pre-application is required; application is by invitation only
- Maximum funding of \$725,000 in direct costs (plus indirect costs)
- Period of performance of 5 years

Ovarian Cancer Academy Leadership Award

- Dean must be an established ovarian cancer researcher.
- Embedded Assistant Dean must be an independent ovarian cancer research at a different institution from the Dean.
- Supports visionary individuals who are established ovarian cancer researchers with a strong record of mentoring and commitment to leadership
- Academy Dean, with Assistant Dean, will oversee the OCRP's interactive academy of 10-12 Early-Career Investigators and their designated mentors, facilitate regular interactive communication among all Academy members, and assess research progress and career progression of the Early-Career Investigators
- Maximum funding of about \$1,000,000 in direct costs (plus indirect costs)
- The Dean and Assistant Dean are expected to be partners in leading the Academy, and the direct cost funding should be divided accordingly
- Period of performance is 5 years

Pilot Award

- Investigators at or above the postdoctoral level (or equivalent)
- Supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will drive the field of ovarian cancer research forward
- Innovation and Impact are important review criteria
- Preliminary data are not required, but allowed
- Clinical trials are not allowed
- Pre-application is required; application submission is by invitation only
- Maximum funding of \$225,000 in direct costs with additional \$75,000 for optional nested Teal Postdoctoral Scholar (plus indirect costs)
- Period of performance should not exceed 2 years

All applications must conform to the final Program Announcements and General Application Instructions that will be available for electronic downloading from the Grants.gov website. The application package containing the required forms for each award mechanism will also be found on Grants.gov. A listing of all USAMRMC funding opportunities can be obtained on the Grants.gov website by performing a basic search using CFDA Number 12.420. Applications must be submitted through the federal government's single-entry portal, Grants.gov. Submission deadlines are not available until the Program Announcements are released. Requests for email notification of the Program Announcements release may be sent to help@cdmrp.org. Email notifications of funding opportunities are sent as a courtesy and should not be used as a sole source of notification; applicants should monitor Grants.gov for official postings of funding opportunities. Point of Contact: CDMRP Public Affairs, 301-619-9783, usarmy.detrick.medcom-cdmrp.mbx.cdmrp-public-affairs@mail.mil. For more information about the OCRP or other CDMRP-administered programs, please visit the CDMRP website <http://cdmrp.army.mil>

FY14 MASINT Emerging Technologies Research Program

Funding Opportunity Number: NPS-BAA-14-001

Pre-Application Deadline: N/A

Application Deadline: September 30, 2014

Description: Research Areas: Measurement and Signature Intelligence (MASINT) is an intelligence discipline that employs a broad range of scientific developments to gather foreign intelligence. In our efforts to enhance this intelligence competency we are interested in stimulating and supporting research that creates new knowledge and capabilities, or the transition of current capabilities, that have the potential to enhance the following areas:

- Remote assessment and detection of weapons of mass destruction, specifically nuclear and radiological weapons, as well as chemical and biological weapons.
- Remote assessment and detection of directed energy weapons. This would include all lasers that are primarily designed as weapons as well as high-powered microwave (HPM) and electromagnetic pulse (EMP) weapons.
- Bioinformatics, the science of collecting and analyzing complex biological data such as genetic codes, has become an important part of many areas of biology. Research should focus on how this science promotes the extraction of useful results from large amounts of raw data as well as how its intrinsic characteristics are applicable to many related research topics.
- Telematics typically is any integrated use of telecommunications and informatics, also known as ICT (Information and Communications Technology). Possible telematics applications can track vehicles, trailers, and shipping containers. Telematics is also used for relaying environmental conditions within vehicles, trailers or shipping containers, fleet management, mobile data and mobile television, wireless vehicle safety communications allowing vehicles to communicate with those around it and emergency warning system for vehicles.

Navy seeks White Papers only from the most knowledgeable experts and universities in the field, with submissions briefly describing expertise. Note: Proposals for workshops, conferences, and symposia, or for acquisition of technical, engineering and other types of support services will not be considered.

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Mining and Understanding Software Enclaves (MUSE)

Funding Opportunity Number: DARPA-BAA-14-22

Pre-Application Deadline: N/A

Application Deadline: April 15, 2014

Description: 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. <http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Research Interests of the Air Force Office of Scientific Research

Funding Opportunity Number: BAA-AFOSR-2014-0001

Application Deadline: This BAA is open until superseded.

Description: 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).

<http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense>

Defense Health Program - Department of Defense Breast Cancer Research Program (BCRP) - Funding Opportunities for Fiscal Year 2014

Funding Opportunity Number: N/A

Application Deadline: Pre-application and application deadlines will be available when the Program Announcements are released.

Description: The Fiscal Year 2014 (FY14) Defense Appropriations Act provides \$120 million (M) to the Department of Defense Breast Cancer Research Program (BCRP) to support innovative, high-impact breast cancer research. The BCRP is administered by the US Army Medical Research and Materiel Command (USAMRMC) through the Office of Congressionally Directed Medical Research Programs (CDMRP). The BCRP is providing the information in this pre-announcement to allow investigators time to plan and develop applications. FY14 BCRP Program Announcements and General Application Instructions for the following award mechanisms are anticipated to be posted on Grants.gov in late March 2014. This pre-announcement should not be construed as an obligation by the government.

Era of Hope Scholar Award

- Independent, non-mentored investigators within 6 years of their last training position (e.g., postdoctoral fellowship, medical residency, clinical fellowship) as of the application submission deadline
- Supports exceptionally talented, creative early-career scientists who have demonstrated that they are the "best and brightest" in their fields.
- PIs should articulate a vision that challenges current dogma and demonstrates an ability to look beyond tradition and convention.
- PIs should exhibit strong potential for leadership in the breast cancer community.
- PIs must include breast cancer advocates on their research team.
- Maximum funding of \$2.5M for direct costs (plus indirect costs)
- Period of performance not to exceed 5 years

Innovator Award

- Associate Professor or above (or equivalent)
- Supports visionary individuals who have demonstrated creativity, innovative work, and leadership in any field.
- Provides opportunity to pursue novel, visionary, high-risk ideas that will accelerate progress toward ending breast cancer.
- PIs must include breast cancer advocates on their research team.
- Nomination is required; self-nominations are accepted; application submission is by invitation only.
- Maximum funding of \$5M for direct costs (plus indirect costs)
- Period of performance not to exceed 5 years

Breakthrough Award

- Investigators at all academic levels (or equivalent)
- Postdoctoral fellows are eligible to apply
- Supports promising research that has the potential to lead to or make breakthroughs in breast cancer.
- Potential impact of the research may be near-term or long-term, but it must be significant and go beyond an incremental advancement.
- Partnering PI Option allows two PIs, termed Initiating and Partnering PIs, to collaborate on a single application.
- Four different funding levels, based on the scope of research, are available. It is the responsibility of the PI to select the funding level that is most appropriate for the research proposed.
 - Funding Level 1
 - Submission of a Letter of Intent is required prior to full application submission.
 - Each PI may submit only one application as a single PI or Initiating PI.
 - Breast cancer advocate involvement is encouraged, but not required.
 - Maximum funding of \$350,000 for direct costs (plus indirect costs)
 - Period of performance not to exceed 3 years
 - Funding Level 2
 - Submission of a Letter of Intent is required prior to full application submission.
 - Each PI may submit only one application as a single PI or Initiating PI.
 - Breast cancer advocate involvement is encouraged, but not required.
 - Maximum funding of \$700,000 for direct costs (plus indirect costs)
 - Period of performance not to exceed 3 years
 - Funding Level 3
 - Submission of a pre-proposal is required; application submission is by invitation only.
 - Clinical trials are allowed.
 - Applicants must include breast cancer advocates on their research team.
 - Maximum funding of \$2.5M for direct costs (plus indirect costs)

- Period of performance not to exceed 5 years
- Funding Level 4
 - Submission of a pre-proposal is required; application submission is by invitation only.
 - Clinical trials are allowed.
 - Applicants must include breast cancer advocates on their research team.
 - Maximum funding of \$10M for direct costs (plus indirect costs)
 - Period of performance not to exceed 5 years

All applications must conform to the final Program Announcements and General Application Instructions that will be available for electronic downloading from the Grants.gov website. The application package containing the required forms for each award mechanism will also be found on Grants.gov. A listing of all USAMRMC funding opportunities can be obtained on the Grants.gov website by performing a basic search using CFDA Number 12.420. Applications must be submitted through the federal government's single-entry portal, Grants.gov. Submission deadlines are not available until the Program Announcements are released. Requests for email notification of the Program Announcements release may be sent to help@cdmrp.org. Point of Contact: CDMRP Public Affairs, 301-619-9783, usarmy.detrick.medcom-cdmrp.mbx.cdmrp-public-affairs@mail.mil. For more information about the BCRP or other CDMRP-administered programs, please visit the CDMRP website at <http://cdmrp.army.mil>

Department of Education

Personnel Development To Improve Services and Results for Children With Disabilities--Personnel Preparation in Special Education, Early Intervention, and Related Services

Funding Opportunity Number: Separate opportunities/focus areas listed under *Description*

CFDA Number(s): 84.325

Application Deadline: April 8, 2014

Description: The purposes of this program are to (1) help address State-identified needs for personnel preparation in special education, related services, early intervention, and regular education to work with children, including infants and toddlers, with disabilities; and (2) ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research and experience, to be successful in serving those children. Focus areas include:

- Opportunity Number: ED-GRANTS-020714-001 CFDA Number: 84.325K Preparing Personnel to Serve Infants, Toddlers, and Preschool-Age Children with Disabilities;
- Opportunity Number: ED-GRANTS-020714-002 CFDA Number: 84.325K-2 Preparing Personnel to Serve School-Age Children with Low Incidence Disabilities;
- Opportunity Number: ED-GRANTS-020714-003 CFDA Number: 84.325K-3 Preparing Personnel to Provide Related Services to Children, Including Infants and Toddlers, with Disabilities; and
- Opportunity Number: ED-GRANTS-020714-004 CFDA Number: 84.325K-4 Preparing Personnel in Minority Institutions of Higher Education to Serve Children, Including Infants and Toddlers, with Disabilities.

For more information, visit www.grants.gov and search by opportunity number.

Office of Special Education and Rehabilitative Services (OSERS): National Institute on Disability and Rehabilitation Research (NIDRR): Research Fellowships Program

Funding Opportunity Number: ED-GRANTS-021314-001

CFDA Number(s): 84.133F-1

Deadline for Transmittal of Applications: April 14, 2014

Description: The purpose of the Research Fellowships Program is to build research capacity by providing support to highly qualified individuals, including those who are individuals with disabilities, to conduct research on the rehabilitation of individuals with disabilities. Only individuals are eligible to apply for Switzer Research Fellowships. Institutions of Higher Education (IHE) and other organizational entities may not submit applications either for themselves or for individuals. The person who seeks the fellowship must sign all the forms, and not a representative of an organizational entity with which the person is affiliated. Pre-Application Meeting: Interested parties are invited to participate in a pre-application meeting with NIDRR staff and to receive information and technical assistance appropriate to the Switzer Research Fellowships notice described in the NIA: These pre-application meetings will be held on March 6, 2014. Interested parties may participate in one of these meetings by

conference call with NIDRR staff between 1:00 p.m. and 3:00 p.m., Washington, DC time. NIDRR staff also will be available from 3:30 p.m. to 4:30 p.m., Washington, DC time, on the same day, by telephone, to provide additional information and technical assistance through individual consultation. For further information or to make arrangements to participate in a pre-application meeting via conference call or to arrange for an individual consultation, contact Patricia Barrett at patricia.barrett@ed.gov or by telephone at (202) 245-6211. For more information, visit www.grants.gov and search by opportunity number.

OSERS: NIDRR: Advanced Rehabilitation Research Training (ARRT) Program: Community Living and Participation

Funding Opportunity Number: Separate opportunities listed under Description

CFDA Number(s): 84.133

Deadline for Transmittal of Applications: April 14, 2014

Description: The purpose of NIDRR's ARRT program, which is funded through the Disability and Rehabilitation Research Projects and Centers Program, is to provide advanced research training and experience to individuals with doctorates, or similar advanced degrees, who have clinical or other relevant experience. ARRT projects train rehabilitation researchers, including researchers with disabilities, with particular attention to research areas that support the implementation and objectives of the Rehabilitation Act, and that improve the effectiveness of services authorized under the Rehabilitation Act. There is one priority for the three competitions, which will each address one of NIDRR's major domains of individual well-being: (a) community living and participation, (b) employment, or (c) health and function. For more information, visit www.grants.gov and search by opportunity number.

- Opportunity Number: ED-GRANTS-021314-002 CFDA Number: 84.133P-1 Community Living and Participation;
- Opportunity Number: ED-GRANTS-021314-003 CFDA Number: 84.133P-3 Employment; or
- Opportunity Number: ED-GRANTS-021314-004 CFDA Number: 84.133P-4 Health and Function

Office of Innovation and Improvement (OII): Arts in Education Model Development and Dissemination Program

Funding Opportunity Number: ED-GRANTS-022514-001

CFDA Number(s): 84.351

Deadline for Transmittal of Applications: April 28, 2014

Description: The Arts in Education Model Development and Dissemination (AEMDD) program supports projects that enhance, expand, document, evaluate, and disseminate innovative, cohesive models that are based on research and have demonstrated their effectiveness in (1) integrating standards-based arts education into the core elementary or middle school curriculum, (2) strengthening standards-based arts instruction in the elementary or middle school grades, and (3) improving the academic performance of students in elementary or middle school grades, including their skills in creating, performing, and responding to the arts. For more information, visit www.grants.gov and search by opportunity number.

Office of Postsecondary Education (OPE) Training for Realtime Writers Program

Funding Opportunity Number: ED-GRANTS-031714-001

Deadline for Transmittal of Applications: April 29, 2014

Description: The objective of this program is to provide grants to institutions of higher education (IHEs) that meet certain qualifications to promote training and placement of individuals, including individuals who have completed a court reporting training program, as real-time writers in order to meet the requirements for closed captioning of video programming set forth in section 713 of the Communications Act of 1934 (47 U.S.C. 613) and the rules prescribed thereunder. For more information, visit www.grants.gov and search by opportunity number.

Department of Justice

NIJ FY 14 Research and Development in Forensic Science for Criminal Justice Purposes

Opportunity Number: NIJ-2014-3744

Application Deadline: April 21, 2014

Description: NIJ is seeking 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. <https://www.ncjrs.gov/pdffiles1/nij/sl001082.pdf>

NIJ FY 14 Research and Evaluation on the Abuse, Neglect, and Exploitation of Elderly Individuals

Opportunity Number: NIJ-2014-3750

Application Deadline: April 25, 2014

Description: NIJ is seeking proposals 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 state, local, tribal, federal, juvenile justice policy and/or practice level.

<https://ncjrs.gov/pdffiles1/nij/sl001089.pdf>

NIJ FY 14 Testing Geospatial Predictive Policing Strategies

Opportunity Number: NIJ-2014-3758

Application Deadline: April 25, 2014

Description: NIJ is seeking applications for funding for research that explores the relationship between theory (of any discipline) to geospatial predictive policing strategies. In particular, NIJ is seeking proposals that focus on linking theories to current policing strategies, discerning potential disconnects in the levels of analysis between theory and practice, explicating what effects this may have on findings, and, finally, addressing means of adapting theory and practice based on the results. <https://ncjrs.gov/pdffiles1/nij/sl001097.pdf>

NIJ FY 14 Research on Gangs and Gang Violence

Opportunity Number: NIJ-2014-3747

Application Deadline: April 25, 2014

Description: NIJ is interested in funding multiple criminal justice research projects involving research and/or evaluations of programs to improve our understanding and/or reduce gang membership and violence within the United States. Results from these projects should lead to better criminal justice policy, practice, and research, particularly at the local or state level, on issues surrounding gangs. <https://ncjrs.gov/pdffiles1/nij/sl001086.pdf>

Research and Evaluation on Violence Against Women: Teen Dating Violence, Sexual Violence, and Intimate Partner Violence FY 2014

Opportunity Number: NIJ-2014-3749

Application Deadline: April 25, 2014

Description: The purpose of the National Institute of Justice 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 applications for funding of research and evaluation related to violence against women in the areas of teen dating violence, sexual violence, and intimate partner violence. Research proposed may be focused at the state, local, tribal, federal, juvenile justice policy and/or practice level.

<https://ncjrs.gov/pdffiles1/nij/sl001088.pdf>

NIJ FY 14 Research and Evaluation on Children Exposed to Violence

Opportunity Number: NIJ-2014-3745

Application Deadline: April 25, 2014

Description: NIJ is seeking multidisciplinary research and evaluation proposals related to childhood exposure to violence. In particular, NIJ seeks proposals that address polyvictimization, resilience, or justice system responses to children identified as being exposed to violence. For the purposes of this solicitation, “Children Exposed to Violence (CEV)” encompasses a broad area that includes children as both direct victims and as 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). Proposals may also address other types of violence to which children are exposed, with the exception of media violence (e.g., television and movie violence, music advocating aggression, and violent video games).

<https://ncjrs.gov/pdffiles1/nij/sl001084.pdf>

NIJ Graduate Research Fellowship Program in Science, Technology, Engineering, and Mathematics**Opportunity Number:** NIJ-2014-3734**Application Deadline:** April 28, 2014

Description: The NIJ Graduate Research Fellowship program in science, technology, engineering, and mathematics provides awards for research on crime, violence, and other criminal justice-related topics to accredited academic universities that support graduate study leading to research-based doctoral degrees. NIJ invests in doctoral education by supporting universities that sponsor students who demonstrate the potential to successfully complete doctoral degree programs in disciplines relevant to the mission of NIJ and who are in the final stages of graduate study. Applicants sponsoring doctoral students are eligible to apply only if the doctoral research dissertation has direct relevance to providing science, technology, engineering, and mathematics to better prevent and control crime and ensure the fair and impartial administration of criminal justice in the United States. Doctoral students in the fields of science, technology, engineering, or mathematics are encouraged to apply.

<https://ncjrs.gov/pdffiles1/nij/sl001079.pdf>

NIJ FY 14 New Approaches to Digital Evidence Processing and Storage**Opportunity Number:** NIJ-2014-3727**Application Deadline:** April 28, 2014

Description: With this solicitation, NIJ seeks proposals for funding for technology research and development to develop: • New, innovative means to speed the processing of large-capacity digital media in a forensically sound manner that preserves the probative value of the evidence that the media may contain. • More efficient means to store the large volumes of information seized as digital evidence while preserving the probative value of that evidence. <https://ncjrs.gov/pdffiles1/nij/sl001078.pdf>

NIJ FY 14 Optimizing the Use of Video Technology to Improve Criminal Justice Outcomes**Opportunity Number:** NIJ-2014-3723**Application Deadline:** April 28, 2014

Description: With this solicitation, NIJ seeks proposals from research organizations partnered with state, local, or tribal criminal justice agencies for funding for research to identify, implement, and evaluate those applications of video cameras and advanced video analysis software that provide optimum crime control and prevention outcomes. NIJ is most interested in receiving proposals involving the integration of video technology into policing strategies, most particularly those involving quantitative data analysis methods. NIJ will also consider proposals dealing with criminal courts and correctional environments. <https://ncjrs.gov/pdffiles1/nij/sl001080.pdf>

NIJ FY 14 Postdoctoral Fellowship: Dating Abuse Among Adolescents and Young Adults**Opportunity Number:** NIJ-2014-3742**Application Deadline:** April 28, 2014

Description: NIJ is seeking proposals for postdoctoral fellows to analyze existing data or collect new data on dating abuse among adolescents and young adults. Some areas of particular interest to NIJ include, but are not limited to, the following: • Testing of behavioral measures of adolescent dating abuse victimization and/or perpetration. • Research that furthers our understanding of abuse within and between relationships, and stability and changes across partners. • Research that uses innovative methodologies to examine the role of contextual factors, such as financial independence, social networks, and gender dynamics in dating violence. • Research about relationship violence and abuse during the transition to adulthood (Ages 16-24), which may include research involving college students. <https://www.ncjrs.gov/pdffiles1/nij/sl001083.pdf>

NIJ FY 14 Research on Offender Decision-Making and Desistance from Crime**Opportunity Number:** NIJ-2014-3752**Application Deadline:** May 5, 2014

Description: The study of adult offender decision-making and desistance to commit crime typically has been approached from a rational choice perspective and a life-course perspective, respectively. With this solicitation NIJ seeks to expand the existing research by examining the process of adult offender decision-making. NIJ requests proposals that either expand the rational choice model and/or life-course model, use other theories to explain either the choice to commit crime or to desist from committing crime (e.g., behavioral economics, business models,

psychology, or cognitive models), or any combination of these. Proposed research also should consider issues such as social context, emotions, default choices, or possibly environmental context to gain a better understanding of the overall decision-making process to commit or desist from committing crimes.

<https://ncjrs.gov/pdffiles1/nij/sl001091.pdf>

NIJ FY 14 Data Resources Program 2014: Funding for Analysis of Existing Data

Opportunity Number: NIJ-2014-3726

Application Deadline: May 5, 2014

Description: NIJ anticipates making a number of awards in cooperation with BJS and OJJDP. A total of \$40,000 may become available for each award made through this solicitation for projects that are usually 12 months in duration. Indirect costs are allowable and included within the total award of \$40,000.

<https://ncjrs.gov/pdffiles1/nij/sl001103.pdf>

Environmental Protection Agency

Student Program for Environmental Excellence in Design

Opportunity Number: EPA-REG08-14-01

Application Deadline: April 14, 2014

Description: This notice announces the availability of funds and solicits applications from eligible entities for creation and management of the Student Program for Environmental Excellence in Design (SPEED). This project has two components. The first focuses on development of a graduate level research training and support program that involves a research partnership between EPA and eligible entities to continue advanced engine research and development by providing federal funding support for graduate level students. The recipient will work with EPA's National Vehicle and Fuel Emissions Laboratory (NVFEL) to develop collaborative research relationships between EPA NVFEL staff and engineering students and faculty in this program. The second component of this project is to design and manage a program to introduce and motivate undergraduate level students to consider the professional pursuit of technical careers with an interdisciplinary perspective that focuses on improving public health and the environment and provides related training to such students. In particular, the SPEED aims to increase students' awareness and understanding of the environmental benefits stemming from increasing fuel efficiency, reducing carbon intensity in transportation fuels, and reducing emissions in advanced vehicles. The SPEED will provide opportunities and financial assistance to eligible entities to collaborate with EPA staff and to provide graduate and undergraduate students with laboratory experiences within EPA's National Vehicle and Fuel Emissions Laboratory (NVFEL) in the science, technology and engineering disciplines. http://www.epa.gov/air/grants_funding.html

FY 2014 Request for Proposals for the Pollution Prevention Information Network (PPIN) Grant Program

Opportunity Number: EPA-HQ-OPPT-2014-003

Application Deadline: April 15, 2014

Description: The Pollution Prevention Information Network (PPIN) grant program funds regional centers that serve both regional and national pollution prevention (P2) information needs. Grantees determine audience needs and then supply quality information and training on source reduction and related P2 practices. Grantees provide assistance and training to businesses whose lack of information may be an impediment to implementing source reduction, preventing pollution or adopting sustainable practices.

<http://www.epa.gov/p2/pubs/grants/ppin/ppin14.pdf>

FY14 Region 07 Wetland Program Development Grants

Opportunity Number: EPA-R7-WWPD-14-001

Application Deadline: April 18, 2014

Description: Promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, extent, prevention, reduction, and elimination of water pollution. All proposals submitted under this RFP must be for projects that build or refine state/tribal/local government wetland programs. Implementation of wetland protection programs is not an eligible project under this announcement. http://www.epa.gov/region7/grants_funding/pdf/epa-r7wwpd-14-001.pdf

Fiscal Year (FY) 14 Brownfields Training, Research, and Technical Assistance Grants Guidelines**Opportunity Number:** EPA-OSWER-OBLR-14-02**Application Deadline:** April 18, 2014

Description: This notice announces the availability of funds and solicits proposals from eligible entities, including nonprofit organizations, to conduct research, or provide technical assistance to communities facing brownfields cleanup and revitalization challenges. Focus areas of this announcement include: 1) technical assistance to environmental workforce development and job training grantees, 2) technical assistance on the integration of environmental justice and equitable development for brownfields-impacted communities, 3) research on the benefits of brownfields redevelopment, and 4) technical assistance on brownfields financing and economic development strategies to brownfields-impacted communities. <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-14-02.pdf>

Miami-Dade County Department of Cultural Affairs**Audience Access Grant Program****Funding Opportunity Number:** N/A**Pre-Application Deadline:** N/A**Application Deadline:** Ongoing

Description: The Department of Cultural Affairs is committed to continuing its collaborative efforts in working with people with disabilities and cultural/community organizations to help address ADA compliance issues, programmatic accessibility, and audience development and outreach efforts. The Department strives to ensure that all of its grantees are likewise committed to making their facilities and programs accessible to people of all abilities. The Audience Access Grant Program is designed to provide funding to promote and help pay for arts program ADA/access technology, such as American Sign Language (ASL) interpreters, captioning, audio description, marketing materials, and other such services to ensure programmatic access for audiences of all abilities. This program is not intended to provide assistance in funding capital/facilities improvements, such as construction, renovation or major equipment purchases. <http://miamidadearts.culturegrants.org/navigation/links/page/audience-access-aud>

Tourist Development Council Grant Program (TDC)**Funding Opportunity Number:** N/A**Pre-Grant Submission Workshops (TDC Specific):** Thursday, March 13, 2014, 2 PM**Application Deadline:** Thursday, April 10, 2014, 4 PM

Description: Quarterly program which provides support to significant cultural and/or special events, including sports activities and television/film origination projects that promote Miami-Dade County's appeal as a tourist destination. Activities must be able to stimulate tourism by increasing hotel occupancy and will have significant media impact for Miami-Dade County. <http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council-tdc>

Festivals & Special Events (FEST)**Funding Opportunity Number:** N/A

Grant System Basics Workshop: Visit CGO Miami Homepage for dates & times: <http://miamidadearts.culturegrants.org/navigation/links/page/homepage>

Application Deadline: Friday, April 25, 2014, 4 PM

Description: The Festivals and Special Events Grants Program is designed to support major annual festivals and special events taking place during the fiscal year between October 1 and September 30. The program provides significant funding in two categories and three divisions to organizations which have an established reputation for excellence and credibility, are capable of attracting visitors on regional, national and/or international levels, and have a significant and positive impact on the perception of Miami-Dade County as a dynamic cultural community. <http://miamidadearts.culturegrants.org/navigation/links/page/festivals-special-events-fest>

DIVISION A (INTERNATIONAL IMPACT):

Applicant organizations must have:

- a total average annual project budget of at least \$1,000,000 for the festival/special event (including in-kind services support not to exceed 25% of total cash project budget) based on the last completed two fiscal years;

- a minimum consecutive 3-year track record of producing the festival or special event;
- at least one paid professional full-time administrator;
- effective marketing strategies for regional, national and international markets, having a significant and positive impact on the perception of Miami-Dade County as a dynamic community and tourism destination;
- a reputation for excellence and credibility, and be capable of attracting visitors on regional, national and international levels; and
- matching funds from the private sector in a ratio of at least 3-to-1.

DIVISION B (NATIONAL IMPACT):

Applicant organizations must have:

- a total average annual project budget of at least \$400,000 for the festival/special event (including in-kind services support not to exceed 25% of total cash project budget) based on the last completed two fiscal years;
- a minimum 3-year consecutive history of producing the festival or special event;
- at least one paid professional full-time administrator;
- effective marketing strategies for regional and national markets, having a significant and positive impact on the perception of Miami-Dade County as a dynamic community and tourism destination;
- a reputation for excellence and credibility, and be capable of attracting visitors on regional and national or international levels; and
- matching funds from the private sector in a ratio of at least 2-to-1.

DIVISION C (REGIONAL IMPACT):

Applicant organizations must have:

- a total annual project budget between \$150,000 and \$400,000 for the festival/special event (including in-kind services support not to exceed 25% of total cash project budget) based on the last completed two fiscal years;
- a minimum 2-year consecutive history of producing the festival or special event;
- at least one paid professional part-time administrator;
- effective marketing strategies for regional markets, having a significant and positive impact on the perception of Miami-Dade County as a dynamic community and tourism destination;
- a reputation for excellence and credibility, and be capable of attracting visitors on regional levels; and
- matching funds from the private sector in a ratio of at least 1-to-1.

National Aeronautics and Space Administration

IceBridge Research

Funding Opportunity Number: NNH14ZDA001N-ICEBR

Application Deadline: May 1, 2014

Description: This solicitation calls for proposals to use the data collected under the IceBridge mission to understand the mechanisms of change in the polar regions and their implications for global climate, sea level, and the polar environment. The program's overall goals are to understand the factors controlling the retreat and growth of the world's major sea- and land-based ice sheets and their interactions with the ocean, atmosphere, solid earth, and solar radiation. Field studies are discouraged, but will be considered if specifically focused on improving the utility of IceBridge data to address the research priorities.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={2164038A-E06D-0B83-8500-926724A799A2}&path=open>

Atmospheric Composition: Spectral Climate Signal

Funding Opportunity Number: NNH14ZDA001N-ACSCS

Application Deadline: May 1, 2014

Description: This solicitation calls for proposals that use spectral data to better understand climate change and climate system natural variability on spatial scales ranging from regional to global, and time scales ranging from interannual to decadal. Further, this announcement solicits proposals that examine the information content, retrieval methods, time/space sampling, natural variability, and anthropogenic change detection using infrared and/or reflected solar spectra.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={7090E288-C222-95B9-8051-4F8290FD76EE}&path=open>

First Award Fellowship Program**Funding Opportunity Number:** NSBRI-RFA-14-02**Application Deadline:** June 6, 2014

Description: This National Space Biomedical Research Institute (NSBRI) Request for Applications (NSBRI-RFA) is soliciting applications for the First Award Fellowship Program. First Award Fellowships will be competitively awarded for two years, with an opportunity for a third year renewal, in any laboratory in the U.S. conducting biomedical/biotechnological research aligned with NSBRI's goals. First Award Fellowship Program applicants must prepare proposals with the support of a Mentor and institution (university, national lab, etc.), and all proposals will be objectively and rigorously scientifically and technically evaluated by the NSBRI First Award Fellowship Committee. <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={E402E3C7-C5F0-6E84-F638-4390E01A0A3B}&path=open>

Research Opportunities for ISS Utilization**Funding Opportunity Number:** NNJ13ZBG001N**Pre-Application Deadline:** May 2, 2014 (Cycle 6); August 29, 2014 (Cycle 7)**Application Deadline:** July 18, 2014 (Cycle 6); November 14, 2014 (Cycle 7)

Description: The ISS NASA Education Projects Office is soliciting proposals from higher education institutions or consortia of organizations and institutions serving higher education who have concepts for flight experiments or demonstrations that utilize the unique ISS microgravity environment and can be conducted in a "1 unit" (1U) Nanoracks NanoLab.

<http://nspires.nasaprs.com/external/solicitations/solicitationAmmendments.do?method=init&solId={21E0270C-BC1F-EFC4-3D87-30713B5FF373}&path=open>

Maturation of Instruments for Solar System Exploration**Funding Opportunity Number:** NNH14ZDA001N-MATISSE**Pre-Application Deadline:** April 28, 2014**Application Deadline:** June 27, 2014

Description: The Maturation of Instruments for Solar System Exploration (MatISSE) Program supports the advanced development of spacecraft-based instruments that show promise for use in future planetary missions. The goal of the program is to develop and demonstrate planetary and astrobiology science instruments to the point where they may be proposed in response to future announcements of flight opportunity without additional extensive technology development (approximately Technology Readiness Level [TRL] 6). The proposed instrument must address specific scientific objectives of likely future planetary science missions.

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={9F7E58C1-C5D6-1195-8538-1283B2651596}&path=open>

Laboratory Analysis of Returned Samples**Funding Opportunity Number:** NNH14ZDA001N-MATISSE**Pre-Application Deadline:** April 28, 2014**Application Deadline:** June 27, 2014

Description: The goal of the Laboratory Analysis of Returned Samples (LARS) Program is to maximize the scientific return from the samples provided by missions such as Genesis, Stardust, and Hayabusa (see further below) through development of laboratory instrumentation and advanced analytical techniques required for the complete analyses of the samples they return. In addition, this program supports analytical work on samples returned by recent Planetary Science Division missions, including Genesis and Stardust, as well as samples returned by Hayabusa. <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={4C610164-1047-DF7C-F425-F6B2AB84D274}&path=open>

National Endowment for the Humanities**Preservation and Assistance Research and Development****Funding Opportunity Number:** 20140501-PR**Application Deadline:** May 1, 2014

Description: Preservation and Access Research and Development grants support projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the

need to find better ways to preserve materials of critical importance to the nation's cultural heritage from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence and to develop advanced modes of searching, discovering, and using such materials. Applicants should define a specific problem, devise procedures and potential solutions, and explain how they would evaluate their projects and disseminate their findings. Project results must serve the needs of a significant number of humanists.

<http://www.neh.gov/grants/preservation/preservation-and-access-research-and-development>

Preservation and Access Education and Training

Funding Opportunity Number: 20140501-PE

Application Deadline: May 1, 2014

Description: The Preservation and Access Education and Training program is central to NEH's efforts to preserve and establish access to cultural heritage collections. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture collections, electronic records, and digital objects. The challenge of preserving and making accessible such large and diverse holdings is enormous, and the need for knowledgeable staff is significant and ongoing. Preservation and Access Education and Training grants are awarded to organizations that offer national or regional (multistate) education and training programs. Grants aim to help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants also support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to new information and advances in preservation and access practices.

<http://www.neh.gov/grants/preservation/preservation-and-access-education-and-training>

National Institutes of Health

Consortium for Food Allergy Research (U19)

Funding Opportunity Number: RFA-AI-14-003

Application Receipt Date(s): June 19, 2014

Description: This Funding Opportunity Announcement (FOA) solicits applications from single institutions to administer a multi-project multi-institution program, to conduct clinical research and assume the leadership and administrative responsibilities for the Consortium for Food Allergy Research (CoFAR). The selected applicant will continue the mission of the CoFAR, which focuses on immune and other intervention strategies for the prevention and treatment of food allergy, including food allergen-associated severe allergic reactions and anaphylaxis, and food allergen-associated eosinophilic esophagitis. The Consortium will conduct interventional trials with associated mechanistic studies, and observational/natural history and/or genetics studies with associated mechanistic studies, in order to understand better the immunopathogenesis of these conditions.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-003.html>

Exploratory Clinical Trials of Novel Interventions for Mental Disorders (R21/R33)

Funding Opportunity Number: RFA-MH-15-300

Application Receipt Date(s): June 17, 2014, October 17, 2014, and February 17, 2015

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support the efficient pilot testing of novel interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about further development or testing of the intervention. Studies of novel interventions include, but are not limited to behavioral, pharmacological, biologics-based, cognitive, device-based, interpersonal, physiological, or combined approaches. Support will be provided for up to two years (R21 phase) for preliminary milestone-driven testing and validating of the intervention's mechanism of action, possibly followed by up to 3 years of support (R33 phase) for studies relating the mechanism to functional or clinical effects. Ultimately, this R21/R33 funding mechanism is intended to speed the translation of emerging basic science findings of mechanisms and processes underlying mental disorders into novel interventions that can be efficiently tested for their promise in restoring function and reducing symptoms for those living with mental disorders. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-300.html>

Exploratory Clinical Trials of Novel Interventions for Mental Disorders (R33)**Funding Opportunity Number:** RFA-MH-15-310**Application Receipt Date(s):** June 17, 2014, October 17, 2014, and February 17, 2015

Description: The purpose of this Funding Opportunity Announcement (FOA) is to support the efficient pilot testing of novel interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support “go/no-go” decisions about further development or testing of the intervention. Studies of novel interventions include, but are not limited to behavioral, pharmacological, biologics-based, cognitive, device-based, interpersonal, physiological, or combined approaches. Support will be provided for testing and validating the intervention’s mechanism of action and for studies relating the mechanism to functional or clinical effects. Ultimately, this funding mechanism is intended to speed the translation of emerging basic science findings of mechanisms and processes underlying mental disorders into novel interventions that can be efficiently tested for their promise in restoring function and reducing symptoms for those living with mental disorders. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-310.html>

Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (R01)**Funding Opportunity Number:** RFA-MH-15-320**Application Receipt Date(s):** June 17, 2014, October 17, 2014, and February 17, 2015

Description: This Funding Opportunity Announcement (FOA) seeks to support investigator-initiated clinical trials to establish the effectiveness of interventions and to test hypotheses regarding moderators, mediators, and mechanisms of action of these interventions. This FOA supports clinical trials designed to test the therapeutic value of treatment and preventive interventions for which there is already evidence of efficacy, for use in community and practice settings. Applications might include research to evaluate the effectiveness or increase the clinical impact of pharmacologic, somatic, psychosocial (psychotherapeutic, behavioral), rehabilitative and combination interventions to prevent or treat mental illness. This FOA also supports clinical trials to test patient-, provider-, organizational-, or systems -level services interventions to improve service access, engagement, quality, coordination, or delivery, with the goal of improved outcomes at the individual and population level. The intervention research covered under this announcement is explicitly focused on practice-relevant questions. Applications must justify the potential impact of the proposed intervention/services models on practice and public health in terms of the magnitude of likely improvements in key outcomes (e.g., effect size, safety/tolerability profile, value and efficiency, and dissemination potential), as compared to existing approaches. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-320.html>

Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (Collaborative R01)**Funding Opportunity Number:** RFA-MH-15-325**Application Receipt Date(s):** June 17, 2014, October 17, 2014, and February 17, 2015

Description: This Funding Opportunity Announcement (FOA) seeks to support investigator-initiated collaborative clinical trials to establish the effectiveness of interventions and to test hypotheses regarding moderators, mediators, and mechanisms of action of these interventions. This FOA supports clinical trials designed to test the therapeutic value of treatment and preventive interventions for which there is already evidence of efficacy, for use in community and practice settings. Applications might include research to evaluate the effectiveness or increase the clinical impact of pharmacologic, somatic, psychosocial (psychotherapeutic, behavioral), rehabilitative and combination interventions to prevent or treat mental illness. This FOA also supports clinical trials to test patient-, provider-, organizational-, or systems -level services interventions to improve service access, engagement, quality, coordination, or delivery, with the goal of improved outcomes at the individual and population level. The intervention research covered under this announcement is explicitly focused on practice-relevant questions. Applications must justify the potential impact of the proposed intervention/services models on practice and public health in terms of the magnitude of likely improvements in key outcomes (e.g., effect size, safety/tolerability profile, value and efficiency, and dissemination potential), as compared to existing approaches. This FOA should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. Each site has its own Program Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control,

database management, statistical analysis, and reporting. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-325.html>

Pilot Effectiveness Studies and Services Research Grants (R34)

Funding Opportunity Number: RFA-MH-15-330

Application Receipt Date(s): June 17, 2014, October 17, 2014, and February 17, 2015

Description: The purpose of this Funding Opportunity Announcement (FOA) is to encourage pilot research consistent with NIMH's priorities for: 1) effectiveness research on interventions with previously demonstrated efficacy, for use with broader target populations or for use in community practice settings, and 2) innovative services research directions that require preliminary testing or development. Applications should provide resources for evaluating the feasibility, tolerability, acceptability and safety of approaches to improve mental health and modify risk factors, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale intervention trial (e.g., comparative effectiveness study, practical trial) or large-scale services study. In this pilot phase of intervention and services research, NIMH places highest priority on approaches that can be justified in terms of their potential to substantially impact practice and public health and approaches that are empirically grounded. Specifically: 1) Applications should justify the potential impact of the proposed intervention/services models on practice and public health in terms of the magnitude of likely improvements in effect size, safety/tolerability profile, value and efficiency, or dissemination potential, as compared to existing approaches; 2) Adaptations or augmentations of efficacious interventions should only be undertaken if there is an empirical rationale for the adaptation target and for the corresponding mechanism by which the adapted intervention or augmentation is expected to substantially enhance outcomes; and 3) For pilot tests of intervention effectiveness or service delivery approaches, the study should be designed to explicitly address whether the intervention engages the mechanism that is presumed to underlie the intervention effects. <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-330.html>

Family-Centered Self-Management of Chronic Conditions (R01)

Funding Opportunity Number: PA-14-112

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This funding opportunity announcement seeks to build the science of family-centered self-management (FCSM) in chronic conditions. <http://grants.nih.gov/grants/guide/pa-files/PA-14-112.html>

Family-Centered Self-Management of Chronic Conditions (R21)

Funding Opportunity Number: PA-14-113

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This funding opportunity announcement seeks to build the science of family-centered self-management (FCSM) in chronic conditions. <http://grants.nih.gov/grants/guide/pa-files/PA-14-113.html>

Behavioral Interventions to Address Multiple Chronic Health Conditions in Primary Care (R01)

Funding Opportunity Number: PA-14-114

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This funding opportunity announcement (FOA) seeks Research Project Grant (R01) applications that propose to use a common conceptual model to develop behavioral interventions to modify health behaviors and improve health outcomes in patients with comorbid chronic diseases and health conditions. Specifically, this FOA will support research in primary care that uses a multi-disease care management approach to behavioral interventions with high potential impact to improve patient-level health outcomes for individuals with three or more chronic health conditions. The proposed approach must modify behaviors using a common approach rather than administering a distinct intervention for each targeted behavior and/or condition. Diseases and health conditions can include, but are not limited to: mental health disorders (e.g., depression), diabetes, smoking, obesity, chronic pain, alcohol and substance abuse and dependence, chronic obstructive pulmonary disorder, cancer and hypertension. <http://grants.nih.gov/grants/guide/pa-files/PA-14-114.html>

Alcohol-Induced Effects on Tissue Injury and Repair (R01)

Funding Opportunity Number: PA-14-123

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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 alcohol's 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 alcohol's 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.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-123.html>

Alcohol-Induced Effects on Tissue Injury and Repair (R21)

Funding Opportunity Number: PA-14-124

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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 alcohol's 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 alcohol's 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-124.html>

Strengthening Adherence to Antiretroviral-Based HIV Treatment and Prevention (R21)

Funding Opportunity Number: PA-14-125

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. The R21 mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have an important impact on adherence research or practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-125.html>

Strengthening Adherence to Antiretroviral-Based HIV Treatment and Prevention (R01)

Funding Opportunity Number: PA-14-126

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-126.html>

Targeted Basic Behavioral and Social Science and Intervention Development for HIV Prevention and Care (R01)

Funding Opportunity Number: PA-14-127

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-127.html>

Targeted Basic Behavioral and Social Science and Intervention Development for HIV Prevention and Care (R21)

Funding Opportunity Number: PA-14-128

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. The R21 mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have a major impact on health research and practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available. <http://grants.nih.gov/grants/guide/pa-files/PA-14-128.html>

Improving Delivery of HIV Prevention and Treatment through Implementation Science and Translational Research (R21)

Funding Opportunity Number: PA-14-129

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. The R21 mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have a major impact on health research and practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available. <http://grants.nih.gov/grants/guide/pa-files/PA-14-129.html>

Accelerating Improvements in the HIV Care Continuum (R21)**Funding Opportunity Number:** PA-14-130**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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. The R21 mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have an important impact on adherence research or practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-130.html>

Improving Delivery of HIV Prevention and Treatment through Implementation Science and Translational Research (R01)**Funding Opportunity Number:** PA-14-131**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-131.html>

Accelerating Improvements in the HIV Care Continuum (R01)**Funding Opportunity Number:** PA-14-132**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-132.html>

Advancing Structural Level Interventions through Enhanced Understanding of Social Determinants in HIV Prevention and Care (R01)**Funding Opportunity Number:** PA-14-133**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-133.html>

Advancing Structural Level Interventions through Enhanced Understanding of Social Determinants in HIV Prevention and Care (R21)**Funding Opportunity Number:** PA-14-134**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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. The R21 mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have an important impact on adherence research or practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available. <http://grants.nih.gov/grants/guide/pa-files/PA-14-134.html>

First in Human and Early Stage Clinical Trials of Novel Investigational Drugs for Psychiatric Disorders (U01)

Funding Opportunity Number: PAR-14-107

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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 drug's 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. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-107.html>

Quantitative Imaging for Evaluation of Response to Cancer Therapies (U01)

Funding Opportunity Number: PAR-14-116

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. Because this validation process is complex, a single research program cannot be expected to complete every detail from initial tool development to final integration into clinical trials. Therefore, it is anticipated that these research goals will require multidisciplinary efforts. Although the involvement of industrial partners in the development of the QI methods is not required, it is strongly encouraged. Awardees will also join the Quantitative Imaging Network (QIN) to share ideas and approaches in order to validate and standardize imaging data and related imaging metadata for quantitative measurements of prediction and/or response to cancer therapies. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-116.html>

Technologies for Healthy Independent Living (R01)

Funding Opportunity Number: PAR-14-118

Application Receipt/Submission Date(s): September 23, 2014; September 23, 2015; September 23, 2016 AIDS

Date: January 7, 2015; January 7, 2016; January 7, 2017

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-118.html>

Design and Development of Novel Technologies for Healthy Independent Living (R21)

Funding Opportunity Number: (PAR-14-119)

Application Receipt/Submission Date(s): September 23, 2014; September 23, 2015; September 23, 2016
AIDS Date: January 7, 2015; January 7, 2016; January 7, 2017

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-119.html>

Silvio O. Conte Centers for Basic or Translational Mental Health Research (P50)

Funding Opportunity Number: PAR-14-120

Application Receipt/Submission Date(s): May 25, 2014; May 25, 2015; May 25, 2016

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-120.html>

Initiative for Maximizing Student Development (IMSD) (R25)

Funding Opportunity Number: PAR-14-121

Application Receipt/Submission Date(s): May 1, 2014; January 26, 2015; January 25, 2016

Description: 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 focuses on research experiences, courses for skills development and mentoring activities. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-121.html>

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)

Funding Opportunity Number: PAR-14-122

Application Receipt/Submission Date(s): July 15, 2014; March 13, 2015; AIDS Date: July 15, 2014; March 13, 2015

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-122.html>

Substance Abuse & Mental Health Services Administration

Minority Serving Institutions (MSIs) Partnerships with Community Based Organizations (CBOs) (Short Title: MSI/CBO)

Funding Opportunity Number: SP-14-005

Application Deadline: April 16, 2014

Description: The purpose of this program is to prevent and reduce substance abuse (SA) and transmission of HIV/AIDS among African-American, Hispanic/Latino, Asian American/Pacific Islander (AA/PI), and American Indian/Alaska Natives (AI/AN) young adult (ages 18-24) populations. CSAP expects MSIs to partner with one or more community-based organization(s) (CBO) to provide integrated SA, Hepatitis-C (HCV), and HIV prevention programs to African-American, Hispanic/Latino, Asian American/Pacific Islander (AA/PI) and American Indian/Alaska Natives (AI/AN) young adults (ages 18-24) in the surrounding communities. Applicants are required to base their projects on the five steps of SAMHSA's Strategic Prevention Framework (SPF). During the implementation phase, MSIs are expected to work with their collaborating CBOs to conduct the following tasks: conduct focus groups to identify high risk populations on the MSI campus and in the affected community(ies); implement evidence based substance abuse/HIV prevention and environmental prevention strategies to change community norms; provide outreach that includes prevention education strategies to reach racial/ethnic minority young adults on MSI campuses and in the surrounding communities; and implement required strategies for HIV testing and referral services. <http://www.grants.gov/web/grants/view-opportunity.html?oppId=251383>

Planning Grants for Alzheimer's Disease Translational Centers for Predictive Drug Development (R34)

Funding Opportunity Number: RFA-AG-14-017

Application Receipt Date(s): May 15, 2014

Description: The purpose of this FOA is to solicit applications for planning grants that will support the preparation of full applications for NIA's Alzheimer's Disease Translational Centers for Predictive Drug Development (ADCPD) funding initiative. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-017.html>

Genomes to Natural Products (U01)

Funding Opportunity Number: RFA-GM-15-001

Application Receipt Date(s): June 10, 2014

Description: This Funding Opportunity Announcement (FOA) solicits applications that utilize the wealth of genomic and metagenomic sequencing data available, and recent advances in synthetic biology for the purpose of developing new high-throughput and broadly applicable approaches to natural products discovery. Well-integrated, collaborative research teams possessing synthetic biology, bioinformatics, and natural products expertise are encouraged to apply. Applicants responding to this FOA must also plan for participation in trans-network activities, including collaborative projects with other network participants. <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-15-001.html>

Intellectual and Developmental Disabilities Research Centers 2014 (U54)

Funding Opportunity Number: RFA-HD-14-012

Application Receipt Date(s): May 06, 2014

Description: 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 Funding Opportunity Announcement (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.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-012.html>

Population Dynamics Centers Research Infrastructure (P2C)

Funding Opportunity Number: RFA-HD-14-016

Application Receipt Date(s): May 06, 2014

Description: The purpose of this FOA is to increase the pace and impact of research within the scientific mission of the NICHD Population Dynamics Branch (PDB) by providing research infrastructure support to population science research centers. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-016.html>

Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R34)

Funding Opportunity Number: PA-14-135

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-135.html>

Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R21)

Funding Opportunity Number: PA-14-136

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-136.html>

Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R01)

Funding Opportunity Number: PA-14-137

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-137.html>

Neuroimmune Mechanisms of Alcohol Related Disorders (R21)

Funding Opportunity Number: PA-14-138

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-138.html>

Neuroimmune Mechanisms of Alcohol Related Disorders (R01)

Funding Opportunity Number: PA-14-139

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-139.html>

Community Partnerships to Advance Research (CPAR) (R15)

Funding Opportunity Number: PA-14-140

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This funding opportunity announcement encourages researchers to partner with communities using Community Engaged Research (CEnR) methodologies that will enhance relationships leading to better interventions and positive health outcomes. <http://grants.nih.gov/grants/guide/pa-files/PA-14-140.html>

Community Partnerships to Advance Research (CPAR) (R21)

Funding Opportunity Number: PA-14-141

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-141.html>

Community Partnerships to Advance Research (CPAR) (R01)

Funding Opportunity Number: PA-14-142

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-142.html>

Additional Research Training Positions for NIAAA-, NIDA-, or NCI-Supported NRSA Institutional Training (T32) Grants (Admin Supp)

Funding Opportunity Number: PA-14-146

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This administrative supplement program provides up to three years of support for additional trainee positions on NIAAA-, NIDA-, or NCI-supported institutional Ruth L. Kirschstein National Research Service Award (NRSA) programs, in order to help meet the goals of Collaborative Research on Addiction at NIH (CRAN). NIAAA, NIDA, and NCI are interested in requests that propose research training in areas of mutual interest, namely cross-cutting areas of tobacco, alcohol, and other substance use, abuse, and addiction and related health-consequences. This program is intended for T32 programs that have an excellent record of filling their existing positions and have documented successful outcomes for their trainees. <http://grants.nih.gov/grants/guide/pa-files/PA-14-146.html>

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)**Funding Opportunity Number:** PA-14-147**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: 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 individual's potential to develop into a productive, independent research scientist. <http://grants.nih.gov/grants/guide/pa-files/PA-14-147.html>

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31 - Diversity)**Funding Opportunity Number:** PA-14-148**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: The purpose of this Kirschstein-NRSA predoctoral fellowship (F31) award is to enhance the diversity of the health-related research workforce by supporting the research training of predoctoral students from population groups that have been shown to be underrepresented in the biomedical, behavioral, or clinical research workforce. Such individuals include those from underrepresented racial and ethnic groups, those with disabilities, and those from disadvantaged backgrounds. Through this award program, promising predoctoral students will obtain individualized, mentored research training from outstanding faculty sponsors while conducting well-defined research projects in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist. <http://grants.nih.gov/grants/guide/pa-files/PA-14-148.html>

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)**Funding Opportunity Number:** PA-14-149**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: The purpose of the Kirschstein-NRSA postdoctoral fellowship is to enhance the research training of promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. <http://grants.nih.gov/grants/guide/pa-files/PA-14-149.html>

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral MD/PhD or Other Dual-Doctoral Degree Fellowship (Parent F30)**Funding Opportunity Number:** PA-14-150**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: The purpose of the Kirschstein-NRSA, dual-doctoral degree, predoctoral fellowship (F30) is to enhance the integrated research and clinical training of promising predoctoral students, who are matriculated in a combined MD/PhD or other dual-doctoral degree training program (e.g. DO/PhD, DDS/PhD, AuD/PhD, DVM/PhD), and who intend careers as physician-scientists or other clinician-scientists. Applicants must propose an integrated research and clinical training plan and a dissertation research project in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The fellowship experience is expected to clearly enhance the individuals' potential to develop into productive, independent physician-scientists or other clinician-scientists. <http://grants.nih.gov/grants/guide/pa-files/PA-14-150.html>

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellowship (Parent F33)**Funding Opportunity Number:** PA-14-151**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description: The National Institutes of Health (NIH) awards senior individual research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to

broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers. <http://grants.nih.gov/grants/guide/pa-files/PA-14-151.html>

Establishing Behavioral and Social Measures for Causal Pathway Research in Dental, Oral and Craniofacial Health (R01)

Funding Opportunity Number: PAR-14-143

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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 (see NOT-DE-11-002). <http://grants.nih.gov/grants/guide/pa-files/PA-14-143.html>

Establishing Behavioral and Social Measures for Causal Pathway Research in Dental, Oral and Craniofacial Health (R21)

Funding Opportunity Number: PAR-14-144

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: 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 (see NOT-DE-11-002). <http://grants.nih.gov/grants/guide/pa-files/PA-14-144.html>

NIBIB Biomedical Technology Service Centers (P30)

Funding Opportunity Number: PAR-14-145

Application Receipt/Submission Date(s): May 25, 2014; AIDS Date: September 7, 2014

Description: This Funding Opportunity Announcement (FOA) encourages grant applications for Biomedical Technology Service Centers (P30 Centers) that support infrastructure and resources that are needed by a diverse group of funded NIH researchers, but are not widely available. Consistent with this function, NIBIB P30 Centers should engage in dissemination activities and may engage in training activities. Infrastructure and resources in an NIBIB P30 Center could range from shared biomedical instrumentation to open bioinformatics systems. <http://grants.nih.gov/grants/guide/pa-files/PA-14-145.html>

Partnerships for Diagnostics to Address Antimicrobial Resistance of Select Bacterial Pathogens (R01)

Funding Opportunity Number: [RFA-AI-14-019](#)

Application Receipt Date(s): June 19, 2014

Description: The purpose of this Funding Opportunity Announcement (FOA) is to solicit research applications for projects focused on development and/or production of diagnostics that will enable rapid, sensitive, specific, culture-independent detection of high-priority antimicrobial-resistant Gram-negative bacterial pathogens. This FOA is focused on select healthcare-associated bacteria where resistance compromises effective treatment, including:

Klebsiella pneumoniae, Acinetobacter baumannii, Pseudomonas aeruginosa, Enterobacter species and extra-intestinal pathogenic Escherichia coli. Applications must include a Product Development Strategy and demonstrate substantive participation by at least one industrial participant. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-019.html>

Accelerating the Dissemination and Implementation of PCOR Findings into Primary Care Practice (R18)

Funding Opportunity Number: RFA-HS-14-008

Application Receipt Date(s): July 3, 2014

Description: The Agency for Healthcare Research and Quality (AHRQ) seeks applications to disseminate Patient-Centered Outcomes Research (PCOR) findings directly to primary care practices and to support them in implementing PCOR clinical and organizational findings. Applicants must propose a comprehensive approach that uses evidence-based quality improvement strategies, such as practice facilitation, designed to improve the capacity of primary care practices to implement new PCOR evidence into the delivery of care. Applicants must work with primary care practices to utilize PCOR findings to improve the percentage of patients successfully managing blood pressure and high blood cholesterol, and who are receiving advice and support from health care professionals about taking aspirin to prevent heart disease and to quit smoking. Applications must also rigorously evaluate their initiatives and contribute to an overarching evaluation. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-008.html>

Evaluation of AHRQ Initiative to Accelerate the Dissemination and Implementation of PCOR Findings into Primary Care (R01)

Funding Opportunity Number: RFA-HS-14-009

Application Receipt Date(s): July 3, 2014

Description: This AHRQ Funding Opportunity Announcement (FOA) invites applications to conduct a rigorous external evaluation of an AHRQ grant-funded initiative to disseminate and implement PCOR findings to improve heart health and to improve the capacity of primary care practices to implement PCOR findings into practice. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-009.html>

Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science (R01)

Funding Opportunity Number: (PA-14-155)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. It is expected that this research and development is conducted in the context of important biomedical and behavioral research problems. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community. This initiative aims to address biomedical research areas in biomedical computing, informatics, and Big Data science through the early stage development of new software, tools and related resources, as well as the fundamental research (e.g., methodologies and approaches) leading up to that development. <http://grants.nih.gov/grants/guide/pa-files/PA-14-155.html>

Extended Development, Hardening and Dissemination of Technologies in Biomedical Computing, Informatics and Big Data Science (R01)

Funding Opportunity Number: (PA-14-156)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: The goal of this program announcement is to support the extended development, maintenance, testing, evaluation, hardening and dissemination of existing biomedical software. The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. It is expected that this research and development is conducted in the context of important biomedical and behavioral research

problems and that domain researchers are consulted to make sure that the software is relevant to users. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing technologies in biomedical computing, informatics and big data science to a broader biomedical research community. <http://grants.nih.gov/grants/guide/pa-files/PA-14-156.html>

Feasibility Studies to Build Collaborative Partnerships in Cancer Research (P20)

Funding Opportunity Number: [PAR-14-152](#)

Application Receipt/Submission Date(s): May 16, 2014; March 19, 2015

Description: 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. <http://grants.nih.gov/grants/guide/pa-files/PA-14-152.html>

Temporal Dynamics of Neurophysiological Patterns as Potential Targets for Treating Cognitive Deficits in Brain Disorders (R01)

Funding Opportunity Number: [PAR-14-153](#)

Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: A rich body of evidence suggests that cognitive processes are associated with particular patterns of neural activity. These data indicate that oscillatory rhythms, their co-modulation across frequency bands, spike-phase correlations, spike population dynamics, and other patterns might be useful drivers of therapeutic development for cognitive improvement in neuropsychiatric disorders. This initiative encourages applications to test whether modifying electrophysiological patterns during behavior can improve cognitive abilities. Applications should use experimental designs that incorporate active manipulations to address at least one, and ideally more, of the following topics: (1) in behaving animals, determine which parameters of neural coordination, when manipulated in isolation, improve particular aspects of cognition; (2) in animals or humans, determine how particular abnormalities at the cellular or molecular level, such as specific receptor dysfunction, affect the coordination of electrophysiological patterns during behavior; (3) determine whether in vivo, systems-level electrophysiological changes in behaving animals predict analogous electrophysiological and cognitive improvements in normal humans or clinical populations; and (4) use systems-level computational modeling to develop a principled understanding of the function and mechanisms by which oscillatory and other electrophysiological temporal dynamic patterns unfold across the brain (cortically and subcortically) to impact cognition. <http://grants.nih.gov/grants/guide/pa-files/PA-14-153.html>

Temporal Dynamics of Neurophysiological Patterns as Potential Targets for Treating Cognitive Deficits in Brain Disorders (R21)

Funding Opportunity Number: PAR-14-158

Application Receipt/Submission Date(s): May 7, 2017

Description: A rich body of evidence suggests that cognitive processes are associated with particular patterns of neural activity. These data indicate that oscillatory rhythms, their co-modulation across frequency bands, spike-phase correlations, spike population dynamics, and other patterns might be useful drivers of therapeutic development for cognitive improvement in neuropsychiatric disorders. This initiative encourages applications to test whether modifying electrophysiological patterns during behavior can improve cognitive abilities. Applications should use experimental designs that incorporate active manipulations to address at least one, and ideally more, of

the following topics: (1) in behaving animals, determine which parameters of neural coordination, when manipulated in isolation, improve particular aspects of cognition; (2) in animals or humans, determine how particular abnormalities at the cellular or molecular level, such as specific receptor dysfunction, affect the coordination of electrophysiological patterns during behavior; (3) determine whether in vivo, systems-level electrophysiological changes in behaving animals predict analogous electrophysiological and cognitive improvements in normal humans or clinical populations; and (4) use systems-level computational modeling to develop a principled understanding of the function and mechanisms by which oscillatory and other electrophysiological temporal dynamic patterns unfold across the brain (cortically and subcortically) to impact cognition. The R21 grant mechanism is specifically intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel methodologies, tools, technologies, or interventions that could have a major impact on health research and practice. Unlike applications under the R01 mechanism, preliminary data are not required for R21 applications. Preliminary data may nonetheless be included if available.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-158.html>

Modeling Immunity for Biodefense (U19)

Funding Opportunity Number: RFA-AI-14-028

Application Receipt Date(s): July 18, 2014

Description This Funding Opportunity Announcement (FOA) solicits applications from single institutions, or consortia of institutions, to participate in a network of research groups developing computational models of immunity to infectious diseases other than HIV/AIDS. Applications are sought to develop, refine and validate computational models of immune responses (1) during or following infection, and/or (2) before and after vaccination against an infectious disease, through an iterative approach involving computational studies and immunological experimentation. The main goal of this FOA is to advance our understanding of the complex immune mechanisms triggered by infection and/or vaccination through the development and application of computational models of immunity, coupled with immunological experimentation to validate and improve the utility and robustness of the computational models. Another goal of this FOA is to make the computational models and data developed under this initiative readily available to the broader research community for further refinement or direct use in biological experimentation. This program will also support pilot projects, workshops, and symposia to foster the use of computational models of immunity by the broader research community.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-028.html>

Atopic Dermatitis Research Network (ADRN) (U19)

Funding Opportunity Number: RFA-AI-14-033

Application Receipt Date(s): July 08, 2014

Description This Funding Opportunity Announcement (FOA) solicits applications from institutions to administer a multi-project, multi-institution program to conduct clinical research and provide the leadership and administrative responsibilities for the Atopic Dermatitis Research Network (ADRN). The ADRN conducts clinical research studies to better understand host defense mechanisms in the skin, by comparing responses to infections and vaccines, and underlying mechanisms, in healthy, non-atopic individuals vs. those with atopic dermatitis (AD). Such effects include skin barrier and adaptive and innate immune system responses to viral and bacterial infections, and genetic and epigenetic studies. The scope of research supported under this FOA will include the role of the microbiome in regulating host defense, and the development of clinical interventions to enhance host defense. The FOA will also support the conduct of longitudinal studies aiming at the identification of AD phenotypes pertaining to clinical presentation, skin and peripheral blood immunologic responses and patterns of cutaneous host defense.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-033.html>

Accelerating Medicines Partnership (AMP) in Rheumatoid Arthritis and Lupus: Network Leadership Center (UM2)

Funding Opportunity Number: RFA-AR-14-015

Application Receipt Date(s): May 21, 2014

Description The purpose of this FOA is to solicit applications for the Accelerating Medicines Partnership (AMP) in Rheumatoid Arthritis (RA) and Lupus Network Leadership Center. The AMP RA and Lupus Network is

designed to ascertain and define shared and disease-specific biological pathways in order to identify relevant drug targets for the treatment of autoimmune diseases. This program will involve an enhanced systems-level understanding of gene expression and signaling in target tissues from affected end organs and peripheral blood cells. The Network Leadership Center will: (i) direct and coordinate the scientific activities of the Network; (ii) monitor and evaluate scientific progress and performance; (iii) define Network research priorities; (iv) develop the Network research agenda; (v) provide centralized scientific/technical research resources for data management/coordination, statistical design/analyses and tissue acquisition; and (vi) conduct systems biology and bioinformatics research. A companion FOA will establish the Network Research Sites, including: (i) Clinical Research Sites to assemble patient cohorts and obtain comprehensive clinical and laboratory data and relevant specimens to enable deconstruction of key events in cells and tissues related to disease, disease severity, and response to therapy; (ii) Technology Research Sites to develop, test, standardize and validate advanced and new technologies to identify critical signaling pathways in cells and tissues; or (iii) Combined Clinical and Technology Research Sites to conduct clinical and early validation studies of novel technologies and analytics in rheumatoid arthritis, lupus and related autoimmune diseases. Awardees under both FOAs will work collaboratively to establish the AMP RA and Lupus Network. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-14-015.html>

Accelerating Medicines Partnership (AMP) in Rheumatoid Arthritis and Lupus: Network Research Sites (UH2/UH3)

Funding Opportunity Number: RFA-AR-14-016

Application Receipt Date(s): May 21, 2014

Description The purpose of this FOA is to solicit applications for the Accelerating Medicines Partnership (AMP) in Rheumatoid Arthritis (RA) and Lupus Network Research Sites. The AMP RA and Lupus Network is designed to ascertain and define shared and disease-specific biological pathways in order to identify relevant drug targets for the treatment of autoimmune diseases. This program will involve an enhanced systems-level understanding of gene expression and signaling in target tissues from affected end organs and peripheral blood cells. Awards made through this FOA will support an initial milestone-driven UH2 (Exploratory) funding period, with possible rapid transition to the UH3 (Implementation) funding period for a large validation project. UH3s will be awarded after administrative review of eligible UH2s that have met the scientific milestones and feasibility requirements necessary for the UH3, depending on the availability of funds. The UH2/UH3 projects must be submitted as part of a single application. Applications may be submitted for (i) Clinical Research Sites to assemble patient cohorts and obtain comprehensive clinical and laboratory data and relevant specimens to enable deconstruction of key events in cells and tissues related to disease, disease severity, and response to therapy, (ii) Technology Research Sites to develop, test, standardize and validate advanced and new technologies to identify critical signaling pathways in cells and tissues, or (iii) Combined Clinical and Technology Research Sites to conduct clinical and early validation studies of novel technologies and analytics in RA, lupus and related autoimmune diseases. The Network Leadership Center will: (i) direct and coordinate the scientific activities of the Network; (ii) monitor and evaluate scientific progress and performance; (iii) define Network research priorities; (iv) develop the Network research agenda; (v) provide centralized scientific/technical research resources for data management/coordination, statistical design/analyses and tissue acquisition; and (vi) conduct systems biology and bioinformatics research. Awardees under both FOAs will work collaboratively to establish the AMP RA and Lupus Network.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-14-016.html>

Dissolution Methods for Microsphere and Implant Drug Products (U01)

Funding Opportunity Number: RFA-FD-14-007

Application Receipt Date(s): May 1, 2014

Description There is a lack of compendial or biorelevant in vitro drug release assays for parenteral sustained release dosage forms. These products include microspheres and biodegradable/non-biodegradable implants. The purpose of this study is to investigate dissolution methods for a parenteral sustained release dosage form and to analyze their capability of detecting manufacturing differences, predicting in vivo performance, and evaluate method robustness. The results from this study will help the FDA in developing recommendations to determine bioequivalence of generic parenteral sustained release drug products.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-007.html>

Dissolution Methods for Semisolid Ocular Drug Products (U01)**Funding Opportunity Number:** RFA-FD-14-008**Application Receipt Date(s):** May 1, 2014

Description There is a lack of compendial or biorelevant in vitro drug release assays for topically applied semisolid ocular dosage forms. These products include ointments, gels, and gel-forming solutions. The purpose of this study is to investigate dissolution methods for a semisolid ocular dosage form and to analyze their capability of detecting manufacturing differences, predicting in vivo performance, and evaluate method robustness. The results from this study will help the FDA in developing recommendations to determine bioequivalence of generic ocular semisolid drug products. <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-008.html>

Characterization of Critical Quality Attributes for Semisolid Topical Drug Products (U01)**Funding Opportunity Number:** RFA-FD-14-010**Application Receipt Date(s):** June 1, 2014

Description To continue making safe and effective topical semisolid drug products available to the American public, it is essential that FDA's regulatory science, as well as best practices in the pharmaceutical industry, are informed by the most current understanding of the product quality attributes that are potentially critical to the therapeutic performance of topical semisolid dosage forms. The scope of this project is to characterize all measurable physical/chemical qualities of different dosage forms of semisolid topical drug products, identify appropriate methodologies for measuring each of these quality attributes, characterize formulation and manufacturing parameters that alter the arrangement of matter in the dosage form as measured by specific quality attributes, and utilize in vitro and/or in vivo measures of product performance to correlate variations in critical quality attributes with a failure mode for a drug product. <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-010.html>

Pharmacometric Modeling and Simulation for Generic Drugs Evaluation (U01)**Funding Opportunity Number:** RFA-FD-14-011**Application Receipt Date(s):** June 1, 2014

Description The purpose of this project is to develop quantitative pharmacometric models for generic drugs evaluation, in the following areas (1) narrow therapeutic index (NTI) drugs, (2) generic drug substitutability and post marketing risk assessment, and (3) partial AUCs (area under the concentration vs. time curve) as bioequivalence criteria. Each area is a subtopic of this grant and described in Section I. Funding Opportunity Description in detail. <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-011.html>

Physiologically Based Absorption and Pharmacokinetic Modeling and Simulation for Non-gastrointestinally Absorbed Drug Products in Humans (U01)**Funding Opportunity Number:** RFA-FD-14-012**Application Receipt Date(s):** June 1, 2014

Description The purpose of this project to develop physiologically based absorption and pharmacokinetic (PK) models for complex drug products, such as locally acting drug products and non-biological complex parenteral drug products. Research should target the general purpose of impacting generic drug product guidance preparation, development of generic formulations by industry, and generic drug product evaluation for the areas described in Section I, Funding Opportunity Description. <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-012.html>

Data Coordinating Center for the Collaborative Pediatric Critical Care Research Network (U01)**Funding Opportunity Number:** RFA-HD-14-020**Application Receipt Date(s):** June 2, 2014

Description The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement (U01) as the Data Coordinating Center (DCC) in an ongoing multicenter clinical program, the Collaborative Pediatric Critical Care Research Network (CPCCRN) designed to carry out research in pediatric critical care. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-020.html>

Collaborative Pediatric Critical Care Research Network (UG1)**Funding Opportunity Number:** RFA-HD-14-022**Application Receipt Date(s):** June 2, 2014

Description This funding opportunity announcement (FOA) invites applications from institutions proposing to serve as Clinical Sites in NICHD's multi-center Collaborative Pediatric Critical Care Research Network (CPCCRN). The research network is designed to investigate the efficacy of treatment and management strategies to care for critically ill and injured children, as well as to better understand the pathophysiological bases of critical illness and injury in childhood. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-022.html>

Translational Research to Help Older Adults Maintain their Health and Independence in the Community (R21)**Funding Opportunity Number:** PA-14-159**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description This Funding Opportunity Announcement (FOA) invites applications using the R21 award mechanism for translational research that moves evidence-based research findings toward the development of new interventions, programs, policies, practices, and tools that can be used by organizations in the community to help older adults remain healthy and independent, productively engaged, and living in their own homes and communities. The goal of this FOA is to support translational research involving collaborations between academic research centers and community-based organizations with expertise serving or engaging older adults (such as city and state health departments, city/town leadership councils, educational institutions, workplaces, Area Agencies on Aging, and organizations funded or assisted by the Corporation for National and Community Service) that will enhance our understanding of practical tools, techniques, programs and policies that communities across the nation can use to more effectively respond to needs of the aging population.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-159.html>

Translational Research to Help Older Adults Maintain their Health and Independence in the Community (R01)**Funding Opportunity Number:** PA-14-161**Application Receipt/Submission Date(s):** Multiple dates, see announcement.

Description This Funding Opportunity Announcement (FOA) invites applications using the R01 award mechanism for translational research that moves evidence-based research findings toward the development of new interventions, programs, policies, practices, and tools that can be used by organizations in the community to help older adults remain healthy and independent, productively engaged, and living in their own homes and communities. The goal of this FOA is to support translational research involving collaborations between academic research centers and community-based organizations with expertise serving or engaging older adults (such as city and state health departments, city/town leadership councils, educational institutions, workplaces, Area Agencies on Aging, and organizations funded or assisted by the Corporation for National and Community Service) that will enhance our understanding of practical tools, techniques, programs and policies that communities across the nation can use to more effectively respond to needs of the aging population.

<http://grants.nih.gov/grants/guide/pa-files/PA-14-161.html>

Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts (U01)**Funding Opportunity Number:** PAR-14-160**Application Receipt/Submission Date(s):** July 8, 2014; November 10, 2014; March 11, 2015; July 8, 2015; November 10, 2015; March 11, 2016; July 8, 2016; November 10, 2016; March 10, 2017

Description 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. <http://grants.nih.gov/grants/guide/pa-files/PAR-14-160.html>

USAID

SERVIR Mekong

Funding Opportunity Number: USAID-RDMA-SOL-486-14-000020

Application Deadline: April 25, 2014

Closing date/time for application submission is 3:00 pm, April 25, 2014 BANGKOK, THAILAND local date and time.

Description: The overall goal of SERVIR Mekong is to enhance climate change adaptation and landscape management in the Lower Mekong through the increased application of geospatial analysis. Timely geospatial data, earth observations, and predictive models are particularly effective tools for understanding and managing risk, visualizing global and landscape level change, and can greatly enhance decision-making for sustainable development. The SERVIR Mekong program will support a regionally focused institution in the Lower Mekong region that will work with a network of partners to pursue the following objectives: building and institutionalizing technical capacity of government decision makers and key civil society groups to integrate geospatial analysis into their decision-making, planning, and communications; improving the sharing of user-tailored geospatial data, products, and services; and developing new high quality user-tailored data, tools, applications, and models to address on-the-ground priorities. <http://www.grants.gov/web/grants/search-grants.html?keywords=USAID-RDMA-SOL-486-14-000020>

Pacific-American Climate Fund - Call for Concept Papers

Funding Opportunity Number: AID-492-C-13-00017

Pre-Application Deadline: 1st cycle: April 30, 2014, 2nd cycle: June 30, 2014, 3rd cycle: September 30, 2014, 4th cycle: December 30, 2014, 5th cycle: March 5, 2015

Description: The Pacific-American Climate Fund is a five-year grant-making facility through the United States Agency for International Development (USAID). The project will finance activities in the Pacific Islands region that aim to reduce long-term vulnerabilities associated with climate change and achieve sustainable climate-resilient development. Grants financed by the Pacific-American Climate Fund will support United States Government (USG) development objectives and will complement other support provided by the USG to the Pacific Islands. <http://www.grants.gov/web/grants/search-grants.html?keywords=AID-492-C-13-00017>

Mali High Impact Health Services II

Funding Opportunity Number: RFA-688-14-000005

Application Deadline: May 14, 2014

Description: The "Mali High Impact Health Services II" Activity is designed to assist the GOM MOH to improve and expand select high impact health services and ending preventable child and maternal deaths by focusing on three critical health system components as they intersect at the community level: health service delivery, social and behavior change, and health systems strengthening. The Activity objective is "Increased and Sustained Use of High Impact Health Services and Healthy Behaviors." <http://www.grants.gov/web/grants/search-grants.html?keywords=:%20RFA-688-14-000005>

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