Researchers exchange ideas and meet prospective collaborators

By Robyn Nissim

With more than 400 funded researchers spread across two campuses and three centers, including FIU Downtown on Brickell and the Miami Beach Urban Studios, it can be difficult to learn about the university’s research efforts—even those that are in one’s particular specialty. But one of DoR’s top priorities in the next few years is to build interdisciplinary research and to promote integration and support integration of ideas. The best way to accomplish this initiative is to introduce the researchers to each other and let them form new relationships within and without their areas of interest.

On October 18, FIU scholars and researchers met with the vice president for research, Andrés G. Gil, and senior leadership within DoR to exchange ideas on increasing research funding as well as meet prospective collaborators. It was a unique opportunity for the faculty to network with their peers in a non-academic setting. There are so many talented research faculty at FIU that the event will be held again at a later date to accommodate more researchers.

Assistant professor of psychology Lindsay Malloy was happy to meet faculty outside her department to discuss possible collaborations. “The DoR reception was an excellent opportunity to chat with faculty outside my department, to learn about the exciting research that they are working on currently, and to find out about how they funded it,” said Malloy. Additionally, she was able to find others who can guide her—“as soon as I mentioned an interest in applying for a NSF Career proposal, I was immediately introduced to someone who had received one in the past and others who had great advice on preparing one! This was a very valuable opportunity, and I appreciated the chance to spend an afternoon getting to know so many accomplished people who were willing to share their experiences and advice.” Malloy is currently studying theoretical and practical questions concerning children’s disclosure of negative experiences and children’s involvement in the legal system.

But after this event, look for Malloy to be an investigator on other studies—maybe even as an awardee on an NSF Career proposal.
**Upcoming Events**

**November 2013**
- **November 1** at 9 am in EC 2300, “Ink-Jet Printing of Sol-Gel Derived Bioinks to Produce Bioactive Paper Sensors for Environmental and Biomedical Analysis” by John D. Brennan from McMaster University, Ontario, Canada—part of the Wallace H. Coulter Foundation BME Seminar Series.
- **November 1** at 12 noon in AHC1 #110 “The Impact of Social Withdrawal on Children’s Adjustment: Physiological and Contextual Influences” by Heather Henderson—part of CCF’s Brown Bag Series.
- **November 7** from 10 am to 12 noon in RDB 1000, the Center for Leadership presents Robert Schreiter. Please visit [http://lead.fiu.edu/engagement/lectureseries/leadership/index.html](http://lead.fiu.edu/engagement/lectureseries/leadership/index.html) for registration details.
- **November 8** at 9 am in EC 2300, “Coupled Multiscale Analysis of Bio and Nano–Mechanical Systems” by Vinu Unnikrishnan from the University of Alabama—part of the Wallace H. Coulter Foundation BME Seminar Series.
- **November 8** at 12 noon in ACH1 #110 “Extending the Scope and Accessibility of Children’s Mental Health Care through Technology” by Jon Comer—part of CCF’s Brown Bag Series.
- **November 12** at 10 am Ribbon Cutting Ceremony, Stocker AstroScience Center (President Emeritus Modesto Maidique, Dean Ken Furton, and Special Guest Nobel laureate John Mather, with James Webb as emcee). Reception to follow at 11 am.
- **November 12** from 3:30 to 4:45 pm in AHC3 #110, “The History of the Universe from Beginning to End, and Observing with the James Webb Space Telescope” a public lecture by Dr. John Mather, Nobel Laureate.
- **November 12** at 8 pm Stocker AstroScience Star Party.
- **November 13** in the MARC Pavilion—FIU’s annual Department of Energy (DOE) Induction Ceremony.
- **November 14** from 1:30 to 2:30 pm in AHC4 #101, “Single Molecule Spectroscopy of Amino Acids and Peptides by Recognition Tunneling” by Stuart Lindsay, Professor and Director, Center for Single Cell Molecule Biophysics [http://sish.fiu.edu/initiatives/biomolecular-and-biomedical/archived-lectures/](http://sish.fiu.edu/initiatives/biomolecular-and-biomedical/archived-lectures/)
- **November 15** at 12 noon in AHC1 #110 “Neurobiological Organization of Language: Research Using High-Field Magnetic Resonance Imaging” by Anthony Dick—part of CCF’s Brown Bag Series.
- **November 19 and 20** at the RDB College of Law Large Courtroom, the second annual industry meeting of the National Science Foundation (NSF) Nanosystems Engineering Research Center (ERC) for Advanced Self-Powered Systems of Integrated Sensors and Technologies (ASSIST). Please register [here](http://www.eng.fiu.edu/pal7581602/ASIST%202013%20registration%20form.pdf).
- **November 20** at 9:45 am in the MARC Pavilion “Connecting Genomic Alterations to Cancer Biology with Proteomics” presented by Dr. Henry Rodríguez, Director of the Office of Cancer Clinical Proteomics Research at the National Cancer Institute, National Institutes of Health.
- **November 22** at 11 am at the College of Business Complex Room 155 (and via polycom at BBC Marine Sciences Building Room 105), “Accelerating and Enhancing the Drug Discovery Process” by Dr. Richard Houghten from Torrey Pines Institute for Molecular Studies.

**December 2013**
- **December 3** (by invitation only) Second Annual Induction Ceremony of the FIU Chapter of the National Academy of Inventors.
- **December 3** 3:30 to 5pm in AHC-4 #402, “Preparing for the 3rd Year Review” by Meredith Newman, Sr. Associate Dean (CAS)
- **December 6** at 12 noon in AHC1 #110 “The Changing Landscape of Cannabis Use and Its Impact on Neurocognitive Functioning” by Raúl González—part of CCF’s Brown Bag Series.
- **December 10** at 3:30 pm in the MARC Pavilion “Developing Testable Hypotheses” by O. Dale Williams, FIU Professor and Chair of the Biostatistics Department.

**January 2014**
- **January 14** from 12 to 1:30 pm at the Faculty Club, “Faculty Mentor Lunch for CAS-CEC-RSCPHSW for mentor/mentee pairs.”
- **January 23 & 24** from 8 am to 5 pm at the MARC Pavilion, “2014 Workshop on Origami Design for Integration of...
Self-assembling Systems for Engineering Innovation.”

- **January 29 & 30** from 8:30 am to 5 pm at the MARC Pavilion, “Alcohol Research Center Annual Conference.”

The previously announced Team Science workshop has been moved to Spring 2014.

### Awards Received—September 2013

Florida International University researchers were awarded **$12,903,136 in September 2013**. Below is a summary:

- **PI:** Omar I Abdul Aziz  
  **INTERNATIONAL HURRICANE CENTER**  
  **Award Action Type:** Initial  
  **AWARDING SPONSOR:** Florida Office of Insurance Regulation  
  **TITLE:** Sub-Project: Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014  
  **AWARD:** $133,098

- **PI:** Malek Adjouadi  
  **ELEC AND COMPUTER ENG**  
  **Award Action Type:** Continuation  
  **AWARDING SPONSOR:** University of Texas El Paso  
  **TITLE:** BPC-AE: Computing Alliance of Hispanic-Serving Institutions (CAHSI) Renewal  
  **AWARD:** $36,892

- **PI:** Malek Adjouadi  
  **ELEC AND COMPUTER ENG**  
  **Award Action Type:** Continuation  
  **AWARDING SPONSOR:** University of Texas El Paso  
  **TITLE:** Participant payments: BPC-AE: Computing Alliance of Hispanic Serving Institutions (CAHSI) Renewal  
  **AWARD:** $19,000

- **PI:** Arvind Agarwal  
  **MECHANICAL AND MAT ENGINEERING**  
  **Award Action Type:** Initial  
  **AWARDING SPONSOR:** Clarkson Aerospace Corp  
  **TITLE:** AFRL Collaboration Program - Materials and Manufacturing Research  
  **AWARD:** $73,000

- **PI:** Heidi Alvarez  
  **CIARA**  
  **Award Action Type:** Continuation  
  **AWARDING SPONSOR:** University of Chicago  
  **TITLE:** Open Science Data Cloud(OSDC)PIRE:Training and Workshops  
  **AWARD:** $115,411

- **PI:** Heidi Alvarez  
  **CIARA**  
  **Award Action Type:** Continuation  
  **AWARDING SPONSOR:** University of Chicago  
  **TITLE:** Open Science Data Cloud(OSDC)PIRE:Training and Workshops  
  **AWARD:** $45,000

- **PI:** Ralf Arndt  
  **CIVIL AND ENVIRON ENGINEERING**  
  **Award Action Type:** Initial  
  **AWARDING SPONSOR:** University of Vermont  
  **TITLE:** Condition Assessment of the First Fort Bowie and Condition Assessment of the Second Fort Bowie, Fort Bowie National Historic Site  
  **AWARD:** $20,510
PI: Shekhar Bhansali  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** North Carolina State University  
**TITLE:** Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)  
**AWARD:** $49,606

PI: Shekhar Bhansali  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** North Carolina State University  
**TITLE:** Participant Payments ASSIST  
**AWARD:** $7,200

PI: Shekhar Bhansali  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Pre-Award  
**AWARDING SPONSOR:** North Carolina State University  
**TITLE:** Participant Pmts Y2 ASSIST  
**AWARD:** $7,200

PI: Shekhar Bhansali  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Naval Research Laboratory  
**TITLE:** Nanostructure Interaction Assessment of MCS Cells Using EIS Technique in a Microfluidic System  
**AWARD:** $100,000

PI: Eric Bishop-Von Wettberg  
**BIOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Fairchild Tropical Botanic Garden  
**TITLE:** Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science.  
**AWARD:** $213

PI: Eric Bishop-Von Wettberg  
**BIOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of California Davis  
**TITLE:** Deducing the genomic footprint and functional impact of chickpea domestication on nitrogen fixation  
**AWARD:** $31,465

PI: Eric Thomas Brewe  
**COE TEACHING AND LEARNING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** INSPIRE Type 1: Investigating Retention and Persistence with Network Analysis  
**AWARD:** $338,833

PI: David Richard Brown  
**COM HUMANITIES HLTH AND SOC**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** American Academy of Developmental Medicine  
**TITLE:** FRIEND Project  
**AWARD:** $10,000

PI: Yong Cai  
**ARC APPLIED RESEARCH CENTER**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Office of Environmental Management
<table>
<thead>
<tr>
<th>TITLE</th>
<th>PI</th>
<th>Awarding Sponsor</th>
<th>Award Amount</th>
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<tr>
<td>Sub Project: Florida International University's Research Support to the Department of Energy's Office of Environmental Management</td>
<td>Shu-Ching Chen</td>
<td>Florida Office of Insurance Regulation</td>
<td>$22,827</td>
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<td>TITLE: Sub-Project: Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014</td>
<td>Jonathan Comer</td>
<td>National Institute of Mental Health</td>
<td>$153,678</td>
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<td>Evaluating the Feasibility of Internet-Delivered Parent-Child Interaction Therapy</td>
<td>Carol E Damian</td>
<td>Miami-Dade County Cultural Affairs</td>
<td>$28,192</td>
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<td>FY 2013-2014 MCI Frost Art Museum</td>
<td>Jessy Devieux</td>
<td>University of California Los Angeles</td>
<td>$24,575</td>
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<td>Seed grant</td>
<td>Maureen Donnelly</td>
<td>National Science Foundation</td>
<td>$2,000</td>
</tr>
<tr>
<td>West Africa Water Supply-Ghana</td>
<td>Maria C Donoso</td>
<td>US Agency for International Development</td>
<td>$1,903,254</td>
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<tr>
<td>West Africa Water Supply-Niger</td>
<td>Maria C Donoso</td>
<td>US Agency for International Development</td>
<td>$484,482</td>
</tr>
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<td>FlowWaves: CC-NIE Networking Infrastructure: FlowWave: Enabling High Bandwidth Science Data Flows</td>
<td>Maria-Rosa Drake</td>
<td>National Science Foundation</td>
<td>$275,908</td>
</tr>
</tbody>
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PI: James W Fourqurean  
**SOUTHEAST ENV RESEARCH CTR**  
Award Action Type: Continuation  
AWARDING SPONSOR: National Park Service  
TITLE: The South Florida Caribbean Inventory and Monitoring Network Undergraduate Internship and Training Program  
AWARD: $ 94,938

PI: James W Fourqurean  
BIOLOGY  
Award Action Type: Increase  
AWARDING SPONSOR: University of Miami  
TITLE: Aquarius Reef Base  
AWARD: $ 500,086

PI: Rebecca Friedman  
SIPA  
Award Action Type: Increase  
AWARDING SPONSOR: European Commission  
TITLE: Miami-Florida European Center of Excellence  
AWARD: $ 3,000

PI: Cheng-Tin Gan  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: Florida Department of Transportation  
TITLE: Feasibility of a Web-Based System for Police Report Review and Information Recording  
AWARD: $ 90,000

PI: Stavros Georgakopoulos  
ELEC AND COMPUTER ENG  
Award Action Type: Initial  
AWARDING SPONSOR: Georgia Institute of Technology  
AWARD: $ 683,766

PI: Mohammed A Hadi  
CIVIL AND ENVIRON ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: University of Florida  
TITLE: STRIDE Internship-Amuris Ramirez  
AWARD: $ 7,427

PI: Shahid Hamid  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Initial  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014  
AWARD: $ 833,253

PI: Shahid Hamid  
INTERNATIONAL HURRICANE CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Florida Office of Insurance Regulation  
TITLE: Sub-Contracts: Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014  
AWARD: $ 423,271

PI: Jin He  
PHYSICS  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
TITLE: Carbon nanotube based nanofluidic device for biological sensing

PI: Michael Heithaus

Biology

Award Action Type: Initial
Awarding Sponsor: National Science Foundation

TITLE: Graduate Research Fellowship Program

AWARD: $ 308,623

PI: Michelle M Hospital

Psychology

Award Action Type: Initial
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: An Evaluation of ESMIA

AWARD: $ 2,000

PI: Kenneth Arthur Jessell

Division of Finance and Admin

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: UniversityCity Prosperity Project

AWARD: $ 100,000

PI: Sylvan C Jolibois

Civil and Environ Engineering

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU

AWARD: $ 5,000

PI: Sylvan C Jolibois

Civil and Environ Engineering

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: Mohammaafali 2013 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU

AWARD: $ 3,000

PI: Sylvan C Jolibois

Civil and Environ Engineering

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: Fakharian Qom ’13 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU

AWARD: $ 3,000

PI: Sylvan C Jolibois

Civil and Environ Engineering

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: Crean 2013 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU

AWARD: $ 10,000

PI: Sylvan C Jolibois

Civil and Environ Engineering

Award Action Type: Initial
Awarding Sponsor: U.S. Department of Transportation

TITLE: Johnson 2013 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU

AWARD: $ 7,500

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TITLE: Edmonson 2013 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Program at FIU  
AWARD: $ 5,000

PI: Ranu Jung  
BIOMEDICAL ENGINEERING  
Award Action Type: Increase  
AWARDING SPONSOR: FIU Foundation  
TITLE: Cardiovascular Engineering Center Fund  
AWARD: $ 10,000

PI: Ranu Jung  
BIOMEDICAL ENGINEERING  
Award Action Type: Increase  
AWARDING SPONSOR: FIU Foundation  
TITLE: Biomedical Engineering Exercise Scholarship Fund  
AWARD: $ 12,500

PI: Leonel Lagos  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Office of Environmental Management  
TITLE: FIU's Research Support to Dept. of Energy's Office of Environmental Management  
AWARD: $ 271,215

PI: Leonel Lagos  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Office of Environmental Management  
TITLE: FIU's Research Support to Dept. of Energy's Office of Environmental Management  
AWARD: $ 256,343

PI: Leonel Lagos  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Office of Environmental Management  
TITLE: FIU's Research Support to Dept. of Energy's Office of Environmental Management  
AWARD: $ 114,496

PI: Leonel Lagos  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Office of Environmental Management  
TITLE: FIU's Research Support to Dept. of Energy's Office of Environmental Management  
AWARD: $ 144,647

PI: Leonel Lagos  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Increase  
AWARDING SPONSOR: Office of Environmental Management  
AWARD: $ 278,618

PI: Chenzhong Li  
BIOMEDICAL ENGINEERING  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: SubProject: Carbon nanotube based nanofluidic device for biological sensing  
AWARD: $ 76,377

PI: Robert Lickliter  
DOR - DIVISION OF RESEARCH  
Award Action Type: Increase  
AWARDING SPONSOR: General Medical Sciences
| TITLE: FIU MBRS RISE - Administrative: MBRS Research Initiative for Scientific Enhancement | AWARD: $111,214 |
| PI: Robert Lickliter |
| DOR - DIVISION OF RESEARCH |
| Award Action Type: Increase |
| AWARDING SPONSOR: General Medical Sciences |
| TITLE: FIU MBRS RISE - Trainee: MBRS Research Initiative for Scientific Enhancement | AWARD: $802,767 |
| PI: Christine Lisetti |
| COMPUTER INFO SCIENCES |
| Award Action Type: Initial |
| AWARDING SPONSOR: Inst for Disabilities Rsrch & Training |
| TITLE: American Sign Language Literacy Support System | AWARD: $70,000 |
| PI: Hong Liu |
| EARTH AND ENVIRONMENT |
| Award Action Type: Increase |
| AWARDING SPONSOR: Fairchild Tropical Botanic Garden |
| TITLE: GA for the Fairchild Challenge educational program | AWARD: $293 |
| PI: Hong Liu |
| EARTH AND ENVIRONMENT |
| Award Action Type: Increase |
| AWARDING SPONSOR: Fairchild Tropical Botanic Garden |
| TITLE: Conservation ecology of selected plants in Halmahera, Indonesia Graduate Assistantship for Melissa Abdo | AWARD: $188 |
| PI: Lindsay Malloy |
| PSYCHOLOGY |
| Award Action Type: Initial |
| AWARDING SPONSOR: National Science Foundation |
| TITLE: Graduate Research Fellowship Program | AWARD: $2,000 |
| PI: Kalai Mathee-narasimhan |
| COM HUMAN AND MOL GENETICS |
| Award Action Type: Initial |
| AWARDING SPONSOR: FIU Division of Research |
| TITLE: BRIDGE Funding 13-14 | AWARD: $8,742 |
| PI: Anthony McGoron |
| BIOMEDICAL ENGINEERING |
| Award Action Type: Initial |
| AWARDING SPONSOR: National Institutes of Health |
| TITLE: Novel Polymeric nanoparticles for drug delivery applications | AWARD: $155,102 |
| PI: Masoud Milani |
| COMPUTER INFO SCIENCES |
| Award Action Type: Initial |
| AWARDING SPONSOR: National Science Foundation |
| TITLE: RET in Engineering and Computer Site: Nanotechnology Research Experiences for Teachers at FIU | AWARD: $95,903 |

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TITLE: Participant Payments: RET in Engineering and Computer Site: Nanotechnology Research Experiences for Teachers at FIU  
AWARD: $384,000  
PI: Osama A Mohammed  
ELEC AND COMPUTER ENG  
Award Action Type: Continuation  
AWARDING SPONSOR: Office of Naval Research  
TITLE: Real Time Modeling & Simulation Techniques using Intelligent Systems with a Reduced Scale Hardware Demonstration of Smart Controls for Notional Ship Architecture  
AWARD: $110,000  
PI: Giri Narasimhan  
COMPUTER INFO SCIENCES  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: Graduate Research Fellowship Program  
AWARD: $2,000  
PI: Olga Nazario  
ARC APPLIED RESEARCH CENTER  
Award Action Type: Initial  
AWARDING SPONSOR: U.S. Department of State  
TITLE: Energy and Climate Partnership of the Americas (ECPA) grant  
AWARD: $157,416  
PI: Adly Norelus  
STUDENT AFFAIRS VICE PRES OFF  
Award Action Type: Initial  
AWARDING SPONSOR: Florida Department of Agriculture and Co  
TITLE: Summer Food Service Program  
AWARD: $11,187  
PI: Laura A Ogden  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Initial  
AWARDING SPONSOR: National Science Foundation  
TITLE: Graduate Research Fellowship Program  
AWARD: $2,000  
PI: Mark Benjamin Padilla  
CENTER FOR CHILDREN AND FAM  
Award Action Type: Initial  
AWARDING SPONSOR: National Institute on Drug Abuse  
TITLE: Migration, Tourism and the HIV-drug use Syndemic in the Dominican Republic  
AWARD: $451,646  
PI: Rene Price  
SOUTHEAST ENV RESEARCH CTR  
Award Action Type: Increase  
AWARDING SPONSOR: South Florida Water Management District  
TITLE: Hydrological Conditions of Mangrove Lakes Region of Everglades National Park  
AWARD: $36,891  
PI: Raphael G Raptis  
CHEMISTRY  
Award Action Type: Initial  
AWARDING SPONSOR: American Chemical Society  
TITLE: Synthesis and Characterization of Dyads Capable of Achieving Photoexcited Two-Electron Charge-Separated States  
AWARD: $92,553
PI: Jennifer H Richards
BIOLOGY
Award Action Type: Increase
AWARDING SPONSOR: Fairchild Tropical Botanic Garden
TITLE: Fairchild Tropical Botanic Garden supports research and education in tropical botany. As a tangible expression of this support, they provide graduate student support for individuals working for higher degrees in areas of tropical plant science.
AWARD: $ 213

PI: Naphtali Rishe
 COMPUTER INF O SCIENCES
Award Action Type: Initial
AWARDING SPONSOR: National Science Foundation
TITLE: I/UCRC Phase II: Center for Advanced Knowledge Enablement
AWARD: $ 81,750

PI: Camilo Rosales
ARCHITECTURE
Award Action Type: Initial
AWARDING SPONSOR: U.S. Department of State
TITLE: Energy and Climate Partnership of the Americas (ECPA) grant
AWARD: $ 616,643

PI: Michael S Ross
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Army
TITLE: Landscaping Pattern: Marl Prairie/Slough Gradients
AWARD: $ 96,281

PI: Michael S Ross
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Army
TITLE: Monitoring of Tree Island Condition in South Everglades
AWARD: $ 92,667

PI: Ernest Simms
STUDENT AFFAIRS VICE PRES OFF
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Department of Education
TITLE: Educational Talent Search
AWARD: $ 217,971

PI: Ernest Simms
STUDENT AFFAIRS VICE PRES OFF
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Department of Education
TITLE: McNair 2012-2017
AWARD: $ 218,915

PI: Ernest Simms
STUDENT AFFAIRS VICE PRES OFF
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Department of Education
TITLE: Upward Bound Math-Science 12-17
AWARD: $ 217,472

PI: Ernest Simms
STUDENT AFFAIRS VICE PRES OFF
Award Action Type: Continuation
AWARDING SPONSOR: U.S. Department of Education
TITLE: Subproject: Upward Bound Math-Science 12-17
AWARD: $ 19,418

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**PI:** Mary Jo Trepka  
**EPIDEMIOLOGY**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** Minority Health and Health Disparities  
**TITLE:** Retrospective cohort study of racial disparities in HIV survival, Florida  
**AWARD:** $100,000

**PI:** Yi Xiao  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Aptamer-Based, Exonuclease-Amplified, Paper Device for Point of Collection Screening of Cocaine and Methamphetamine in Oral Fluid  
**AWARD:** $352,223

**PI:** Changwon Yoo  
**BIOSTATISTICS**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** National Institutes of Health  
**TITLE:** Identifying Key Genes that cause Aggressive Brain Cancer  
**AWARD:** $104,944

**PI:** Yimin Zhu  
**CONSTRUCTION MANAGEMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Science Foundation  
**TITLE:** Collaborative Research: Cyber-Constructor: Enhancing spatial and temporal cognitive ability in construction education through augmented reality  
**AWARD:** $50,793

**PI:** Yimin Zhu  
**CONSTRUCTION MANAGEMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of North Texas  
**TITLE:** RCN-SEES: Predictive Modeling Network for Sustainable Human-Building Ecosystems (SHBE)  
**AWARD:** $31,500

**PI:** Yimin Zhu  
**CONSTRUCTION MANAGEMENT**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of North Texas  
**TITLE:** Participant Payments: RCN-SEES: Predictive Modeling Network for Sustainable Human-Building Ecosystems (SHBE)  
**AWARD:** $31,000

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### Limited Submission Funding Opportunities

Below are limited submission funding opportunities with internal deadlines for the month of November 2013.

| Agency: Miami Dade County Department of Cultural Affairs |
| Program: FY 2013-2014 TOURIST DEVELOPMENT COUNCIL GRANTS PROGRAM |
| Institutional Submission Limits: Two applications per fiscal year. *This is contingent upon the number of applications we receive based on Miami-Dade County's fiscal year (October 1 - September 30) |
| **Internal Proposal Deadline:** 11/15/2013  |
| **Agency Deadline:** 1/16/2014  |
| **Status:** Open  |

*internal proposal application*
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**

**Sea-Based Aviation National Naval Responsibility (SBA NNR) Structures and Materials Focus Area**

**Funding Opportunity Number:** 13-SN-0025  
**Application Deadline:** February 28, 2014  
**Description:** This announcement describes the Sea-based Aviation National Naval Responsibility (SBA NNR) Structures and Materials Focus Area research opportunity to be launched under the ONR/BA14-001, Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology. The purpose of this announcement is to focus attention of the scientific community on (1) the areas to be studied, and (2) the planned timetable for the initial round of white paper submissions. http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDCDpartment%20of%20Defense

**U.S. Army Medical Research and Materiel Command Broad Agency Announcement**

**Funding Opportunity Number:** W81XWH-BAA-14-1  
**Application Deadline:** September 30, 2014  
**Description:** The U.S. Army Medical Research and Materiel Command's (USAMRMC) mission is to provide solutions to medical problems of importance to the American Service member at home and abroad, as well as to the general public at large. The scope of this effort and the priorities attached to specific projects are influenced by changes in military and civilian medical science and technology, operational requirements, military threat assessments, and national defense strategies. The extramural research and development program plays a vital role in the fulfillment of the objectives established by the USAMRMC. General information on USAMRMC can be obtained at https://mrmc.detrick.army.mil/. This BAA is intended to solicit extramural research and development ideas, and is issued under the provisions of the Competition in Contracting Act of 1984 (Public Law 98-369), as implemented in Federal Acquisition Regulation 6.102(d)(2) and 35.016. This BAA provides a general description of USAMRMC’s research and development programs, including: research areas of interest; general information; evaluation and selection criteria; and proposal/application preparation instructions. Research and development funded through this BAA is intended and expected to benefit and inform both military and civilian medical practice and knowledge. In accordance with FAR 6.102, projects funded under this BAA must be for basic and applied research and that part of development not related to the development of a specific system or hardware procurement. Projects must be for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding rather than focusing on a specific system or hardware solution. This is a continuously open announcement; pre-proposal/pre-applications and full proposal/full applications may be submitted at any time throughout the 12-month period. However, no proposal/application submitted under this BAA will be considered for funding after 24 months from the date of submission. Before submitting full proposal/applications, organizations are strongly encouraged to explore USAMRMC interest by submitting preliminary research proposal/applications (pre-proposal/pre-applications). Pre-proposal/pre-applications may be submitted at any time prior to
the BAA closing date. This fiscal year’s BAA contains several changes from previous USAMRMC BAAs: research areas of interest have been updated; instructions are provided for marking proprietary information if included in full proposals/applications; information and instructions regarding Conflicts of Interest have been added; in addition to current and pending support information, PIs and key personnel are required to provide prior (within the last 5 years) support information; areas addressing Representations and Certifications have changed; attachment entitled “Organizational Data” is added; attachment previously entitled “Certificate of Environmental Compliance” is changed to “Environmental Compliance Assurance”; attachment entitled “Facility Safety Plan Instructions” has been updated. 

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

Hypoxia Monitoring, Alert, and Mitigation System Funding Opportunity Number: 14-SN-0002
Application Deadline: November 22, 2013

Description: This announcement describes a research thrust entitled “Hypoxia Monitoring, Alert and Mitigation System” (HAMS) to be launched under the ONR BAA 14-001. Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology which can be found at: http://www.onr.navy.mil/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx. The research opportunity described in this announcement specifically falls under numbered paragraph 2 (item c) of the sub-section entitled Warfighter Performance (Warfighter Protection and Applications). The submission of proposals, their evaluation and potential execution of funds will be carried out as described in that BAA. The purpose of this announcement is to focus attention of the scientific community on the area to be studied and the planned timetable for the submission of proposals. The FULL ANNOUNCEMENT is available on the Grants.gov website by scrolling to the top of the synopsis page and clicking on the “FULL ANNOUNCEMENT” box surrounded by the dotted line at the top of the page. http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense

DoD Breast Cancer Postdoctoral Fellowship Award
Funding Opportunity Number: W81XWH-13-BCRP-POSTDOC2
Application Deadline: January 9, 2014

Description: The Postdoctoral Fellowship Award supports exceptionally talented recent doctoral or medical graduates in pursuit of innovative, high-impact breast cancer research during their postdoctoral training and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Those individuals should be exceptionally talented scientists who have demonstrated that they are the “best and brightest” of their peers. Applicants for this award must exhibit a strong desire to pursue a career in breast cancer research. Under this award mechanism, the postdoctoral fellow is considered the Principal Investigator (PI) and, as such, should write the project narrative, training plan, and other application components with appropriate guidance from the mentor. While the PI is not required to have previous experience in breast cancer research, the proposed project and training must focus on breast cancer. Applications must emphasize the PI’s high potential for success in becoming an independent breast cancer researcher based on his/her qualifications, achievements (including first-author publications), and letters of recommendation. The mentor (or co-mentor, if applicable) must possess the appropriate expertise and experience in breast cancer, to include publications and active peer reviewed breast cancer funding, and clearly demonstrate a commitment to guiding the PI’s research and training. If the mentor is not an experienced breast cancer researcher, then formal co-mentorship by an established breast cancer researcher is required. The application must include information about the mentor’s experience in conducting innovative research and how he/she intends to support the PI’s endeavors in breast cancer. Mentorship by an investigator without an established record of mentoring pre- and postdoctoral trainees may be offset by the overall strength of the training plan. Applications must provide details on the suitability of the PI’s overall training plan and research project for attaining the goals of this award mechanism. Applications must elaborate on the qualifications of the training environment in which the candidate will work, provide details on the individualized, breast cancer-focused training plan, and describe how this training will facilitate the PI’s career development as an independent, innovative breast cancer researcher. A multidisciplinary research approach to breast cancer is highly encouraged but not required; however, if there are multidisciplinary aspects to the training, they should be clearly outlined in the application. The application must articulate the potential impact that the proposed work will have on breast cancer. The research should be based on a sound scientific rationale and/or a thorough review of the literature. Preliminary data are not required. http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense

Systems-Based Neurotechnology for Emerging Therapies (SUBNETS)
Funding Opportunity Number: DARPA-BAA-14-09
Application Deadline: December 17, 2013

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Description: DARPA seeks to develop a new understanding of complex, systems-based disorders of the brain. A major goal of this effort is to deliver a platform technology for precise therapy in humans living with neuropsychiatric and neurologic disease, including veterans and active duty soldiers suffering from mental health issues. Methods developed through this program will use neural recording and stimulation to close the loop on therapeutic treatment in individuals who receive minimal benefits from currently available treatments. This program could lead to improved knowledge of multiple neural subnetworks of the brain that are involved in disease and illness. This program combines novel device development, complex modeling of behaving human neural systems, clinical neurology, and animal research in order to advance the understanding and translation of safe, effective neuro-technological therapies.

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

DoD Clinical and Rehabilitative Medicine Neurosensory Research Award
Funding Opportunity Number: W81XWH-13-DMRDP-CMRP-NSRA
Application Deadline: February 11, 2014
Description: The FY13 DMRDP CRMRP Neurosensory Research Award (NSRA) is intended to support both applied (preclinical) research and clinical trials within specific Focus Areas of pain management, hearing loss/dysfunction, balance disorders, and/or tinnitus. Applications focused on traumatic brain injury (TBI) are highly encouraged.

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

DoD Clinical and Rehabilitative Medicine Neuro-musculoskeletal Injuries Research Award
Funding Opportunity Number: W81XWH-14-DMRDP-CMRP-NMSIRA
Application Deadline: February 11, 2014
Description: The FY14 DMRDP CRMRP Neuro-musculoskeletal Injuries Research Award (NMSIRA) supports preclinical research and clinical trials on the functional utility of assistive devices related to the human-device interface, secondary health effects following severe extremity injury, and optimizing rehabilitation and device prescription for patients with severe extremity trauma. To meet the intent of the award mechanism, applications must specifically address one or more of the FY14 DMRDP CRMRP NMSIRA Focus Areas listed below. Applications proposing research outside of the Focus Areas listed below should not be submitted in response to this Program Announcement/Funding Opportunity.

- Improving the functional utility of assistive devices related to the human-device interface (prostheses, orthoses, and other assistive devices)
- Improvements in prosthetic socket comfort, residual limb health, and function
- Providing proprioceptive and other sensory inputs to the user
- Improving user intent control of assistive devices
- Improving the ability to predict, identify and reduce secondary health effects that develop after severe primary neuro-musculoskeletal injury
- Determining factors that predict development and successful treatment of osteoarthritis, low back pain, or other musculoskeletal conditions
- Intervention strategies to diminish falls and decrease fracture risk
- Strategies to improve treatment and rehabilitation of heterotopic ossification
- Optimizing treatment strategies and sequence of progression throughout the rehabilitation process following severe extremity trauma
- Determining the optimal combination, dose, and timing of rehabilitative techniques to minimize impairments and maximize function and performance
- Objectively guiding prosthetic and/or orthotic prescription to minimize impairments and maximize function and performance

If the proposed study involves the use of a drug or biologic that has not been approved by the Food and Drug Administration (FDA) for its investigational use, evidence that an Investigational New Drug (IND) exemption application has been submitted or will be submitted within 60 days of award is required. If the proposed study involves an Investigational Device that has not been approved or cleared by FDA for its investigational clinical use, the study may be required to comply with the FDA Investigational Device Exemption (IDE) regulations and evidence that an IDE has been submitted or will be submitted within 60 days of the award date or that the device is exempt from an IDE is required. The Government reserves the right to withdraw funding if the IND or IDE application has not been submitted to the FDA within 60 days of the DoD award date or if the documented status of the IND or IDE has not been obtained within 6 months of the award date.

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

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Environmental Protection Agency

Urban Waters Small Grants

**Funding Opportunity Number:** EPA-OW-IO-13-01  
**Application Deadline:** Nov 25, 2013  
**Description:** Under this announcement, the U.S. Environmental Protection Agency (EPA) is soliciting proposals from eligible applicants for projects that will advance EPA’s water quality and environmental justice goals. Note that, for this grant cycle, projects proposed for funding must take place entirely within and focus on one of 18 specific Eligible Geographic Areas, as listed in Section I.A and illustrated on the Urban Waters Small Grants program mapping website. 
[http://www2.epa.gov/urbanwaters/urban-waters-small-grants-mapping](http://www2.epa.gov/urbanwaters/urban-waters-small-grants-mapping)  
[http://www2.epa.gov/urbanwaters/urban-waters-small-grants](http://www2.epa.gov/urbanwaters/urban-waters-small-grants)  

FY 2014 National Environmental Information Exchange Network Grant Program

**Funding Opportunity Number:** EPA-OEI-14-01  
**Application Deadline:** Nov 8, 2013  
**Description:** The Exchange Network Grant Program provides funding to states, tribes, inter-tribal consortia and territories to develop and implement the information technology and information management capabilities they need to actively participate in the Exchange Network. This grant program supports the exchange of environmental data and collaborative work within the Exchange Network. Grantees will share work products with all EN partners through EPA’s Reusable Component Services (RCS) database. [http://epa.gov/exchangenetwork/grants/](http://epa.gov/exchangenetwork/grants/)

Gulf of Mexico Regional Partnerships – 2013

**Funding Opportunity Number:** EPA-GM-2013-1  
**Application Deadline:** Nov 12, 2013  
**Description:** The U.S. Environmental Protection Agency (EPA) – Gulf of Mexico Program (GMP) is soliciting initial proposals under this announcement from eligible entities that address water quality monitoring and/or improvement, coastal habitat and ecosystems enhancement and/or protection, community resilience, and environmental education and outreach in the Gulf of Mexico region and its watersheds. The initial proposals will be short submissions describing a project’s scope and environmental results, and will be evaluated to determine whether the applicant will be requested to submit a full proposal. A broad range of entities, as described in Section III, are eligible to submit proposals under this announcement for projects in the Gulf of Mexico region and its watersheds in the five states abutting the Gulf of Mexico (Texas, Louisiana, Mississippi, Alabama, Florida), including their out-of-geographic-region contributory watersheds, that address water quality monitoring and/or improvement, coastal habitat and ecosystems enhancement and/or protection, community resilience and environmental education and outreach. [http://epa.gov/gmpo/](http://epa.gov/gmpo/)

Organotypic Culture Models for Predictive Toxicology Center

**Funding Opportunity Number:** EPA-G2013-STAR-L1  
**Application Deadline:** Jan 23, 2014  
**Description:** The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications for research centers to investigate toxic effects of chemical substances in three-dimensional (3D) in vitro models, hereafter referred to as ‘organotypic culture models’ (OCMs). OCMs are tissue culture models that mimic in vivo tissue architecture through interactions of heterotypic cell types (e.g., epithelium-stroma) and extracellular matrices (ECM). They can be established from isolated cells or from tissue fragments harvested in vivo, and will bridge the gap between conventional monolayer cell cultures and whole-animal systems. EPA is interested in the potential application of OCMs that mimic complex cell arrangements and physiologies, scalable from mid to higher throughput screening (HTS), and high-content screening (HCS) approaches. This solicitation seeks the formation of research centers that will guide the development and evaluation of OCMs that will accelerate translational research in predictive toxicology. [http://www.epa.gov/ncer/rfa/2013/2013_star_ocm.html](http://www.epa.gov/ncer/rfa/2013/2013_star_ocm.html)

For updates, corrections, suggestions, and/or general comments, please email [Mercedes.rodriguez@fiu.edu](mailto:Mercedes.rodriguez@fiu.edu)
Florida Department of Health & Sanford-Burnham Medical Research Institute

Florida Translational Research Program  
Funding Opportunity Number: N/A  
Pre-Application Deadline: N/A  
Application Deadline: Thursday, November 7, 2013, 5:00 p.m. EST  
Description: The purpose of the Florida Translational Research Program (FTRP) is to produce a pipeline of potential new medicines based upon laboratory research discoveries. The Program provides Florida-based scientists with access to experienced professionals and state-of-the-art technological resources for drug discovery to facilitate an interdisciplinary, collaborative approach to the establishment of a pipeline of potential new treatments for today’s most challenging and unmet medical needs. The Program is funded by the state of Florida through the Florida Department of Health and is administered and performed by Sanford-Burnham Medical Research Institute at Lake Nona. The goals of the FTRP are to implement a variety of innovative biochemical and cell-based assays to interrogate biological targets or processes for which there are limited selective and potent small-molecule modulators available; to execute high-throughput screens; and to develop lead compounds suitable for use in vivo. To meet these objectives the Program seeks three types of early drug discovery project proposals:

- Concept or assay development projects for use in pre-therapeutic discovery via high-throughput screening. This solicitation invites proposals for the development of innovative biochemical and cell-based assays for biological targets, pathways, or processes for which there are limited selective and potent small-molecule modulators available.
- High-throughput screening (HTS)-ready assays. This solicitation seeks well-developed, HTS-ready assays suitable for high-throughput screening of the Sanford-Burnham library of compounds for the purpose of identifying small-molecule modulators of the target, pathways, or processes of interest.
- Validated hits for the discovery of pre-therapeutic lead compounds. This solicitation invites proposals that aim to further research and development of existing small-molecule chemical scaffolds for use in vivo.

http://www.sanfordburnham.org/technology/centers/cpccg/floridatranslationalresearchprogram/Pages/Program-Description.aspx

Institute of Museum and Library Services

Museums of America  
Funding Opportunity Number: MFA-FY14  
CFDA Number(s): 45.301  
Deadline for Transmittal of Applications: December 2, 2013  
Description: The Museums for America (MFA) program supports projects that strengthen the ability of an individual museum to serve its public. MFA grants support activities that strengthen museums as active resources for lifelong learning, as important institutions in the establishment of livable communities, and as good stewards of the nation’s collections. MFA grants can fund both new and ongoing museum activities and programs. Examples include planning, managing and conserving collections, improving public access, training, conducting programmatic research, school and public programming, producing exhibitions, and integrating new or upgraded technologies into your operations. There are three categories within the MFA program:

1. Learning Experiences IMLS
2. Community Anchors IMLS
3. Collections Stewardship


Sparks! Ignition Grants for Museums  
Funding Opportunity Number: SPARKS-FY14  
CFDA Number(s): 45.312  
Deadline for Transmittal of Applications: December 2, 2013  
Description: The Sparks! Ignition Grants for Museums program is a special funding opportunity within the IMLS National Leadership Grants for Museums program, which supports projects that address problems, challenges, or needs of broad relevance to museums. These small grants encourage museums to prototype and evaluate specific innovations in the ways they operate and the services they provide resulting in new tools, products, services, or organizational practices.


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National Leadership Grants for Museums

Funding Opportunity Number: NLG-MUSEUMS-FY14
CFDA Number(s): 45.312
Deadline for Transmittal of Applications: December 2, 2013

Description: National Leadership Grants (NLG) for Museums support projects that address current and future needs of the museum field and that have the potential to advance practice in the profession so that museums can improve services for the American public. Successful proposals will generate results such as models, new tools, research findings, services, practices, and/or alliances that can be widely used, adapted, scaled, or replicated to extend and leverage the benefits of federal investment. Applications should align with one of the following three funding categories:

1. Learning Experiences IMLS
2. Community Anchors IMLS
3. Collections Stewardship


Miami-Dade County Department of Cultural Affairs

Audience Access Grant Program

Funding Opportunity Number: 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

National Aeronautics & Space Administration

Ocean Salinity Field Campaign

Funding Opportunity Number: NNH13ZDA001N-OSFC
Pre-Application Deadline: November 1, 2013
Application Deadline: December 2, 2013

Description: The objective of this program element is to select additional members to the NASA Ocean Salinity Science Team for the analysis phase of a 2012-13 Ocean Salinity Field Campaign. This field campaign is known as the Salinity Processes in the Upper-Ocean Regional Study (SPURS). The planned work coincides with the U.S.-Argentine Aquarius/SAC-D and European SMOS surface salinity satellite missions, as well as the continuing, global array of ARGO profiling floats, all of which provide excellent new tools to monitor ocean salinity. The SPURS field campaign is underway (http://SPURS.jpl.nasa.gov) and this announcement anticipates the need for both analysis work and planning for the next SPURS campaign (in a high precipitation, low salinity location circa 2015).

http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={1A42808C-0423-D8B5-34F9-AAEE83031C2F}&path=open

Space Technology Research Fellowships

Funding Opportunity Number: NSTRF14
Application Deadline: November 13, 2013

Description: This call for graduate student fellowship applications, entitled NASA Space Technology Research Fellowships (NSTRF) – Fall 2014 (NSTRF14), solicits applications from individuals pursuing or planning to pursue master’s (e.g., M.S.) or doctoral (e.g., Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities. NASA Space Technology Fellows will perform innovative space technology research and will improve America’s technological competitiveness by providing the Nation with a pipeline of innovative space technologies.

http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId=7bBD3F49F4-611F-D9EC-1B84-16F4D7551609%7d&path=open

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
National Endowment for the Arts

NEA Our Town Application, FY 2014

Funding Opportunity Number: 2014NEA01OT

Application Deadline: January 13, 2014

Description: The Arts Endowment’s support of a project may start on or after September 1, 2014. “Grant Program Description” Art works to improve the lives of America’s citizens in many ways. Communities across our nation are leveraging the arts and engaging design to make their communities more livable with enhanced quality of life, increased creative activity, a distinct sense of place, and vibrant local economies that together capitalize on their existing assets. The NEA defines these efforts as the process of Creative Place Making: "In creative place making, partners from public, private, nonprofit, and community sectors strategically shape the physical and social character of a neighborhood, town, tribe, city, or region around arts and cultural activities. Creative place making animates public and private spaces, rejuvenates structures and streetscapes, improves local business viability and public safety, and brings diverse people together to celebrate, inspire, and be inspired.” Ann Markusen, Markusen Economic Research Services Anne Gadew Nicodemus, Metris Arts Consulting From Creative Place making Through Our Town, subject to the availability of funding, the National Endowment for the Arts will provide a limited number of grants, ranging from $25,000 to $200,000, for creative place making projects that contribute toward the livability of communities and help transform them into lively, beautiful, and sustainable places with the arts at their core. http://www.grants.gov/web/grants/search-grants.html

National Endowment for the Humanities

Collaborative Research

Funding Opportunity Number: 20140107-RZ

Application Deadline: Jan 7, 2014

Description: Collaborative Research Grants support interpretive humanities research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. Eligible projects include research that significantly adds to knowledge and understanding of the humanities; research that uses the knowledge and perspectives of the humanities and historical or philosophical methods to enhance understanding of science, technology, medicine, and the social sciences. Collaborative Research Grants support interpretive humanities research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. http://www.grants.gov/web/grants/search-grants.html

Scholarly Editions and Translations

Funding Opportunity Number: 20140107-RQ

Application Deadline: Jan 7, 2014

Description: Scholarly Editions and Translations grants support the preparation of editions and translations of pre-existing texts and documents of value to the humanities that are currently inaccessible or available in inadequate editions. These grants support full-time or part-time activities for periods of one to three years. Projects must be undertaken by a team of at least one editor or translator and one other staff member. Grants typically support editions and translations of significant literary, philosophical, and historical materials, but other types of work, such as musical notation, are also eligible. Applicants should demonstrate familiarity with the best practices recommended by the Association for Documentary Editing or the Modern Language Association Committee on Scholarly Editions. Translation projects should also explain the approach adopted for the particular work to be translated. Editions and translations produced with NEH support contain scholarly and critical apparatus appropriate to the subject matter and format of the edition. This usually means introductions and annotations that provide essential information about the form, transmission, and historical and intellectual context of the texts and documents involved. Proposals for editions of foreign language materials in the original language are eligible for funding, as well as proposals for editions of translated materials. http://www.grants.gov/web/grants/search-grants.html

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
National Digital Newspaper Program
Funding Opportunity Number:  20140115-PJ
Application Deadline:  Jan 15, 2014

Description: NEH is soliciting proposals from institutions to participate in the National Digital Newspaper Program (NDNP). NDNP is creating a national digital resource of historically significant newspapers published between 1836 and 1922, from all the states and U.S. territories. This searchable database will be permanently maintained at the Library of Congress (LC) and will be freely accessible via the Internet. (See the website, Chronicling America: Historic American Newspapers.) An accompanying national newspaper directory of bibliographic and holdings information on the website directs users to newspaper titles available in all types of formats. During the course of its partnership with NEH, LC will also digitize and contribute to the NDNP database a significant number of newspaper pages drawn from its own collections. NEH intends to support projects in all states and U.S. territories, provided that sufficient funds allocated for this purpose are available. One organization within each U.S. state or territory will receive an award to collaborate with relevant state partners in this effort. Previously funded projects will be eligible to receive supplements for continued work, but the program will give priority to new projects. In particular, the program will give priority to projects from states and territories that have not received NDNP funding.
http://www.grants.gov/web/grants/search-grants.html

National Institutes of Health

Human Islet Research Network Coordinating Center (U01)
Funding Opportunity Number:  RFA-DK-13-013
Application Receipt Date(s):  February 27, 2014

Description: This Funding Opportunity Announcement will provide support for a Coordinating Center that will provide the administrative infrastructure for the NIDDK funded Human Islet Research Network (HIRN).

Human Islet Research Network Bioinformatics Center (U01)
Funding Opportunity Number:  RFA-DK-13-014
Application Receipt Date(s):  February 27, 2014

Description: This Funding Opportunity Announcement (FOA) will provide support for a Bioinformatics Center that will provide the expertise and infrastructure needed to enhance sharing and utility of data and resources to be produced by the NIDDK-funded Human Islet Research Network.  http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-014.html

Consortium on Targeting And Regeneration (CTAR) - HIRN (UC4)
Funding Opportunity Number:  RFA-DK-13-015
Application Receipt Date(s):  February 27, 2014

Description: This Funding Opportunity Announcement (FOA) requests applications for a new research consortium, the Consortium on Targeting and Regeneration (CTAR), that will support the development of innovative strategies to increase functional human beta cell mass in vivo through the controlled manipulation of beta cell replication or islet plasticity, or the reprogramming of adult non-beta cells into beta-like cells. CTAR will be part of the Human Islet Research Network (HIRN). http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-015.html

Consortium on Human Islet Biomimetics (CHIB) - HIRN (UC4)
Funding Opportunity Number:  RFA-DK-13-016
Application Receipt Date(s):  February 27, 2014

Description: This FOA invites new applications to participate in the Consortium on Human Islet Biomimetics (CHIB) that will support the development of a human islet microphysiological system or niche (a system that combines cells, cytoarchitecture, matrix, physical factors, secreted factors, etc.). CHIB will be part of the Human Islet Research Network (HIRN).  http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-016.html

Consortium on Modeling Autoimmune Interactions (CMAI) - HIRN (UC4)
Funding Opportunity Number:  RFA-DK-13-017
Application Receipt Date(s):  February 27, 2014

Description: This Funding Opportunity Announcement (FOA) invites new applications to participate in a Consortium on Modeling Autoimmune Interactions (CMAI) that will be focused on the goal of developing robust systems to measure and
model the biology of human type 1 diabetes. CMAI will be a founding consortium within the Human Islet Research Network (HIRN). Please limit this field to a brief description of ¼ to ½ page in length. Brevity is appreciated. http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-017.html

**Consortium on Beta-cell Death and Survival (CBDS) - HIRN (UC4)**

**Funding Opportunity Number:** RFA-DK-13-018  
**Application Receipt Date(s):** February 27, 2014  
**Description:** This Funding Opportunity Announcement (FOA) requests applications for a new research consortium, the Consortium on Beta cell Death and Survival (CBDS). The mission of CBDS will be to better define and detect the mechanisms of beta cell stress and destruction central to the development of T1D in humans, with the long-term goal of protecting the residual beta cell mass in T1D patients as early as possible in the disease process. CBDS will be part of the Human Islet Research Network (HIRN). http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-018.html

**Cigarette Tobacco Reference Products Program (UC2)**

**Funding Opportunity Number:** RFA-FD-14-001  
**Application Receipt Date(s):** November 15, 2013  
**Description:** FDA's CTP is seeking to develop a cigarette tobacco reference products program that will require significant collaboration and research efforts with outside organizations. The selected organization(s) will develop tobacco reference products representing American blended cigarettes to be used for investigational non-clinical purposes by tobacco manufacturers, contract and government laboratories, and academic institutions. http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-001.html

**Center for Evaluation and Coordination of Training and Research (CECTR) in Tobacco Regulatory Science (U54)**

**Funding Opportunity Number:** RFA-OD-13-117  
**Application Receipt Date(s):** December 10, 2013  
**Description:** This Funding Opportunity Announcement (FOA) invites applications for a Center for Evaluation and Coordination of Training and Research (CECTR) in Tobacco Regulatory Science. The CECTR will become a national resource in tobacco regulatory science, will support and conduct an evaluation of the scientific programs funded by the Food and Drug Administration (FDA) Center for Tobacco Products (CTP), and will facilitate coordination and communications of research and scientific training within those programs. The overall objective of the CECTR is to evaluate and support training and research programs that can inform the FDA CTP in the development and evaluation of tobacco product regulatory activities and actions. Through leadership, evaluation, coordination, and facilitation of collaborative efforts, the CECTR can accelerate the advancement of science relevant to the Family Smoking Prevention and Tobacco Control Act (FSPTCA). The NIH and the FDA have formed an interagency partnership to foster research relevant to FDA's tobacco regulatory authorities. The award under this FOA will be administered by NIH using designated funds from the FDA CTP for tobacco regulatory science mandated by the Family Smoking Prevention and Tobacco Control Act (FSPTCA), Public Law 111-31. http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-117.html

**Nutrition and Alcohol-Related Health Outcomes (R01)**

**Funding Opportunity Number:** PA-13-359  
**Application Receipt/Submission Date(s):** Multiple dates, see announcement.  
**Description:** This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease. http://grants.nih.gov/grants/guide/pa-files/PA-13-359.html

**Nutrition and Alcohol-Related Health Outcomes (R03)**

**Funding Opportunity Number:** PA-13-360  
**Application Receipt/Submission Date(s):** Multiple dates, see announcement.  
**Description:** This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease. http://grants.nih.gov/grants/guide/pa-files/PA-13-360.html

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Nutrition and Alcohol-Related Health Outcomes (R21)
Funding Opportunity Number: PA-13-361
Application Receipt/Submission Date(s): Multiple dates, see announcement.
Description: This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease.

Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R01)
Funding Opportunity Number: PA-13-363
Application Receipt/Submission Date(s): Multiple dates, see announcement.
Description: This funding opportunity announcement (FOA) spans across the missions of several NIH Institutes and Centers (ICs) and Offices, and includes basic neuroscience and basic behavioral research, clinical and translational studies, intervention development at the individual, family and community level, efficacy trials of interventions based on evidence from basic and translational studies, and research to identify the best ways to disseminate and implement efficacious and evidence-based interventions in real-world settings. While this FOA covers all of the areas mentioned above, particular consideration will be given to applications that propose studies of the intersection that focus on the various types of violence (homicide, suicide, youth and gang-related, intimate partner) and firearms.

Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R03)
Funding Opportunity Number: PA-13-368
Application Receipt/Submission Date(s): Multiple dates, see announcement.
Description: This funding opportunity announcement (FOA) spans across the missions of several NIH Institutes and Centers (ICs) and Offices, and includes basic neuroscience and basic behavioral research, clinical and translational studies, intervention development at the individual, family and community level, efficacy trials of interventions based on evidence from basic and translational studies, and research to identify the best ways to disseminate and implement efficacious and evidence-based interventions in real-world settings. While this FOA covers all of the areas mentioned above, particular consideration will be given to applications that propose studies of the intersection that focus on the various types of violence (homicide, suicide, youth and gang-related, intimate partner) and firearms.

Research on the Health Determinants and Consequences of Violence and its Prevention, Particularly Firearm Violence (R21)
Funding Opportunity Number: PA-13-369
Application Receipt/Submission Date(s): Multiple dates, see announcement.
Description: This funding opportunity announcement (FOA) spans across the missions of several NIH Institutes and Centers (ICs) and Offices, and includes basic neuroscience and basic behavioral research, clinical and translational studies, intervention development at the individual, family and community level, efficacy trials of interventions based on evidence from basic and translational studies, and research to identify the best ways to disseminate and implement efficacious and evidence-based interventions in real-world settings. While this FOA covers all of the areas mentioned above, particular consideration will be given to applications that propose studies of the intersection that focus on the various types of violence (homicide, suicide, youth and gang-related, intimate partner) and firearms.

Neurological Sciences Academic Development Award (K12)
Funding Opportunity Number: PAR-13-362
Application Receipt/Submission Date(s): December 11, 2013, October 12, 2014, October 12, 2015
Description: The purpose of the NINDS Neurological Sciences Academic Development Award (NSADA K12) is to facilitate and support the research career development of pediatric neurologists at educational institutions or professional organizations who have made a commitment to independent research careers. The NSADA program is intended to

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Development of Assays for High-Throughput Screening for Use in Probe and Pre-therapeutic Discovery (R01)

Funding Opportunity Number: PAR-13-364

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

Description: The participating NIH Institutes and Centers invite Research Project Grant (R01) applications to develop assays for high throughput screening (HTS) for use in Probe and Pre-therapeutic Discovery. Through this FOA, NIH wishes to stimulate research in 1) developing assays for specific biological targets and disease mechanisms relevant to the mission of participating NIH Institutes with the intent to screen for small molecule compounds that show potential as probes for use in advancing knowledge about the known targets, identifying new targets, or as pre-therapeutic leads; and 2) establishing collaboration with screening centers that have the requisite expertise and experience needed in implementation of HTS assays for the discovery and development of small molecule chemical probes. This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by the NIH Molecular Libraries Production Centers Network (MLPCN) in the Molecular Libraries Program (MLP) and other academic centers. One important criterion for this initiative is novelty, so applicants are therefore encouraged to avoid focusing on areas and approaches that have been extensively targeted in other settings. Assays should be relevant to the scope of research in at least one of the participating NIH Institutes. [http://grants.nih.gov/grants/guide/pa-files/PAR-13-364.html](http://grants.nih.gov/grants/guide/pa-files/PAR-13-364.html)

Evaluating Natural Experiments in Healthcare to Improve Diabetes Prevention and Treatment (R18)

Funding Opportunity Number: PAR-13-365


Description: The purpose of this Research Demonstration and Dissemination Projects (R18) Funding Opportunity Announcement (FOA) is to support research to evaluate large scale policies or programs related to healthcare delivery that are expected to influence diabetes prevention and care. This FOA is not intended to support the initiation and delivery of new policies or programs. Research support is for the evaluation of the effectiveness of healthcare programs and/or policies implemented independent of NIH grant funding. The goal is to support research that meaningfully informs clinical practice and health policy related to prevention or management of diabetes. [http://grants.nih.gov/grants/guide/pa-files/PAR-13-365.html](http://grants.nih.gov/grants/guide/pa-files/PAR-13-365.html)

Pragmatic Research in Healthcare Settings to Improve Diabetes Prevention and Care (R18)

Funding Opportunity Number: PAR-13-366


Description: The purpose of this Research Demonstration and Dissemination Projects (R18) Funding Opportunity Announcement (FOA) is to support research to test approaches to improve diabetes treatment and prevention in existing healthcare settings. Applications are sought that test practical and potentially sustainable strategies, delivered in routine clinical care settings, to improve processes of care and health outcomes of individuals who are at risk for or have diabetes. The goal is that the research results will improve routine clinical practice and inform policy in representative healthcare settings. [http://grants.nih.gov/grants/guide/pa-files/PAR-13-366.html](http://grants.nih.gov/grants/guide/pa-files/PAR-13-366.html)

Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes Prevention and Care (R34)

Funding Opportunity Number: PAR-13-367


Description: The purpose of this Planning Grant (R34) is to support research to develop and pilot test approaches to improve diabetes treatment and prevention in existing healthcare settings. Applications should pilot test practical and potentially sustainable strategies, delivered in routine clinical care settings, to improve processes of care and health outcomes of individuals who are at risk for or have diabetes. The goal is that, if the pilot study shows promise, the data from the R34 will be used to support a full scale trial that could improve routine clinical practice and inform policy in representative healthcare settings. [http://grants.nih.gov/grants/guide/pa-files/PAR-13-367.html](http://grants.nih.gov/grants/guide/pa-files/PAR-13-367.html)

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
**Research Answers to NCIs Provocative Questions** - Group A (R01)

**Funding Opportunity Number:** RFA-CA-13-016

**Application Receipt Date(s):** January 15, 2014, and June 20, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Initiative involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA using the R01 funding mechanism solicits applications for PQs in Group A. The companion FOA for PQs in Group A, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-017. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to investigation of changes in behavior and various exposure risks, mechanistic links between cancer risk factors and biological events associated with cancer development, and how we might identify and better understand prevention mechanisms. Each research project proposed in response to this FOA must be focused on addressing one particular research problem defined by one specific PQ selected from the list in Group A. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- Group B covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
- Group C covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis;
- Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
- Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu.

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**Research Answers to NCI's Provocative Questions** - Group A (R21)

**Funding Opportunity Number:** RFA-CA-13-017

**Application Receipt Date(s):** January 15, 2014 and June 20, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Program involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-017), using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group A. The companion FOA for PQs in Group A, using the R01 funding mechanism, is RFA-CA-13-016. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to investigation of changes in
behavior and various exposure risks, mechanistic links between cancer risk factors and biological events associated with cancer development, and how we might identify and better understand prevention mechanisms. Each research project proposed in response to this FOA must be focused on addressing one particular research problem defined by one specific PQ selected from the list in Group A. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- Group B covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
- Group C covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis;
- Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
- Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.


Research Answers to NCIs Provocative Questions - Group B (R01)
Funding Opportunity Number:  RFA-CA-13-018
Application Receipt Date(s): January 15, 2014, and June 20, 2014
Description: The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Initiative involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-018), using the R01 funding mechanism, solicits applications for PQs in Group B. The companion FOA for PQs in Group B, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-019. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to mechanisms of tumor development or recurrence. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group B. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- Group A covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- Group C covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis;
- Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
- Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.


Research Answers to NCIs Provocative Questions - Group B (R21)
Funding Opportunity Number:  RFA-CA-13-019
Application Receipt Date(s): January 15, 2014 and June 20, 2014
Description: The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions
These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances.

In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA, using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group B. The companion FOA for PQs in Group B, using the R01 funding mechanism, is RFA-CA-13-018. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to mechanisms of tumor development or recurrence. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group B. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- **Group A** covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- **Group C** covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis;
- **Group D** covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
- **Group E** covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.


**Research Answers to NCIs Provocative Questions - Group C (R01)**

**Funding Opportunity Number:** RFA-CA-13-020

**Application Receipt Date(s):** January 15, 2014 and June 20, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances.

In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing, respectively, the R01 and R21 funding mechanisms. The current reissuance of the PQ Program involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA, using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group C. The companion FOA for PQs in Group B, using the R01 funding mechanism, is RFA-CA-13-018. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to mechanisms of tumor development or recurrence. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group B. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
• Group A covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
• Group B covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
• Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
• Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.

Research Answers to NCIs Provocative Questions - Group C (R21)
Funding Opportunity Number: RFA-CA-13-021
Application Receipt Date(s): January 15, 2014 and June 20, 2014
Description: The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCT's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Program involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-021), using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group C. The companion FOA for PQs in Group C, using the R01 funding mechanism, is RFA-CA-13-020. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to the development or refinement of methods to detect or diagnose tumors and highlight our still nascent knowledge of the stages of tumor development as they relate to determining which tumors are most likely to lead to more aggressive states. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group C. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:
• Group A covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
• Group B covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
• Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy; and
• Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.

Research Answers to NCIs Provocative Questions - Group D (R01)
Funding Opportunity Number: RFA-CA-13-022
Application Receipt Date(s): January 15, 2014 and June 20, 2014
Description: The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCT's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important
gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Initiative involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-022), using the R01 funding mechanism, solicits applications for PQs in Group D. The companion FOA for PQs in Group D, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-023. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to the development and use of new therapeutic agents and how we can learn from both the successes and failures of clinical treatment. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group D. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- **Group A** covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- **Group B** covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
- **Group C** covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis; and
- **Group E** covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.


**Research Answers to NCIs Provocative Questions - Group D (R21)**

**Funding Opportunity Number:** RFA-CA-13-023

**Application Receipt Date(s):** January 15, 2014 and June 20, 2014

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Program involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-023), using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group D. The companion FOA for PQs in Group D, using the R01 funding mechanism, is RFA-CA-13-022. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to the development and use of new therapeutic agents and how we can learn from both the successes and failures of clinical treatment. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group D. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- **Group A** covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- **Group B** covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;

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- Group C covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis; and
- Group E covered by RFA-CA-13-024 (R01) and RFA-CA-13-025 (R21) that generally relates to clinical effectiveness.


Research Answers to NCIs Provocative Questions - Group E (R01)

Funding Opportunity Number:  RFA-CA-13-024

Application Receipt Date(s):  January 15, 2014 and June 20, 2014

Description:  The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI’s priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these “Provocative Questions” (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Initiative involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA (RFA-CA-13-024), using the R01 funding mechanism, solicits applications for PQs in Group E. The companion FOA for PQs in Group E, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-025. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to the development of methods to optimize the application of cancer treatments or interventions for enhanced clinical effectiveness. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group E. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- Group A covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- Group B covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
- Group C covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis; and
- Group D covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy.


Research Answers to NCIs Provocative Questions - Group E (R21)

Funding Opportunity Number:  RFA-CA-13-025

Application Receipt Date(s):  January 15, 2014 and June 20, 2014

Description:  The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCTI’s priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. In the second issuance in 2012, there were eight PQs FOAs, each covering a subset of identified PQs and utilizing the R01 and R21 funding mechanisms. The current reissuance of the PQ Program involves an updated set of 20 PQs. In order to facilitate the peer review process, the new/updated PQs have been divided into five groups related by themes resulting in five R01 FOAs.
and five R21 FOAs. PQs in each Group are thematically related. However, the order of the groups and numbering of questions within a group are essentially arbitrary and should not be construed to indicate any order of priority. This FOA using the R21 exploratory/developmental funding mechanism, solicits applications for PQs in Group E. The companion FOA for PQs in Group E, using the R01 funding mechanism, is RFA-CA-13-024. PQs in this group challenge investigators to seek answers to specific unsolved problems generally related to the development of methods to optimize the application of cancer treatments or interventions for enhanced clinical effectiveness. Each research project proposed in response to this FOA must be focused on solving one particular research problem defined by one specific PQ selected from the list in Group E. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. The other four groups of PQs (and their respective FOAs) are:

- **Group A** covered by RFA-CA-13-016 (R01) and RFA-CA-13-017 (R21) that generally relates to cancer prevention and risk;
- **Group B** covered by RFA-CA-13-018 (R01) and RFA-CA-13-019 (R21) that generally relates to mechanisms of tumor development or recurrence;
- **Group C** covered by RFA-CA-13-020 (R01) and RFA-CA-13-021 (R21) that generally relates to cancer detection, diagnosis, and prognosis; and
- **Group D** covered by RFA-CA-13-022 (R01) and RFA-CA-13-023 (R21) that generally relates to cancer therapy.


**Interpreting Variation in Human Non-Coding Genomic Regions Using Computational Approaches and Experimental Assessment (R01)**

**Funding Opportunity Number:** RFA-HG-13-013

**Application Receipt Date(s):** January 21, 2014 and January 21, 2015

**Description:** This Funding Opportunity Announcement (FOA) solicits applications to develop highly innovative computational approaches for interpreting sequence variants in the non-protein-coding regions of the human genome. The goal is to develop methods that analyze whole-genome sequence data by integrating data sets, such as ones on genome function, phenotypes, patterns of variation, and other features, to identify or substantially narrow the set of variants that are candidates for affecting organismal function leading to disease risk or other traits. The accuracy of the computational approaches developed should be assessed using experimental data. [http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-13-013.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-13-013.html)

**Patient-Centered Outcomes Research (PCOR) for Treatment Options in Uterine Fibroids: Developing a Prospective Multi-Center Practice-based Clinical Registry (P50)**

**Funding Opportunity Number:** RFA-HS-14-006

**Application Receipt Date(s):** December 16, 2013

**Description:** The Agency for Healthcare Research and Quality (AHRQ), in partnership with the Patient-Centered Outcomes Research Institute (PCORI), invites applications for funding to examine the relative effectiveness of treatment options for women of childbearing age with uterine fibroids. For women with symptomatic uterine fibroids, it is unclear which treatment strategies are more effective in managing symptoms and addressing patient preferences for reproductive options. As a result, patients and their clinicians often must decide on a plan of action without guidance from strong scientific evidence. Due to the complexity of treatment options, high quality evidence can help women select specific treatment options tailored to their individual preferences. AHRQ and PCORI intend to fund one application that will include a registry Research and Data Coordinating Center (RDCC) to build a registry infrastructure that involves six to ten separate and geographically diverse clinical centers (CC). [http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-006.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-006.html)

**NEI Translational Research Program (TRP) on therapy for Visual Disorders (R24)**

**Funding Opportunity Number:** PAR-13-370

**Application Receipt Date(s):** January 28, 2014, January 28, 2015, and January 28, 2016

**Description:** The National Eye Institute (NEI) announces the reissue of PAR-10-281, "Translational Research Program (TRP) on Therapy for Visual Disorders". This program focuses on the development of novel therapies to treat visual diseases and disorders. In the context of this program, an expert develops a multi-disciplinary research team that applies an integrative approach to develop rapid and efficient translation of innovative laboratory research findings into clinical therapeutic development. It involves collaborative teams of scientists and clinicians with expertise in multiple disciplines, operating according to a clear leadership plan. Such a collaborative approach is particularly appropriate for research
focused on pathways that will likely be targeted by biological intervention, such as gene therapy, cell-based therapy, and pharmacological approaches. The intention of this program is to make resources available to scientists from several disciplines to address scientific and technical questions that would be beyond the capabilities of any one research group. Each project should have a well-defined end-point, achievable within a five-year time frame, of developing a specific treatment for a specific ocular disease. The steps towards this goal should be clearly delineated in a series of milestones that support the development of a therapeutic, which can then be tested in a clinical trial. Highest programmatic priority will be given to applications aligned with NEI's audacious goal initiative (http://nei.nih.gov/audacious/). If successful, a project funded under this program could lead to filing an IND and a subsequent application for an NEI U10 Clinical Vision Research Grant or an R34 Clinical Study Development Grant. http://grants.nih.gov/grants/guide/pa-files/PAR-13-370.html

Planning for a National Center for Particle Beam Radiation Therapy Research (P20)
Funding Opportunity Number: (PAR-13-371)
Application Receipt/Submission Date(s): January 21, 2014
Description: The purpose of this Funding Opportunity Announcement (FOA) is to encourage and support planning efforts for establishing a Center for Particle Beam Radiation Therapy (PBRT) Research. The Center must be planned to operate as a research center adjunct to an independently created and funded, sustainable clinical facility for PBRT. Ultimately, the proposed Center is expected to perform clinically relevant research using proton and heavier ion beams (including but not necessarily limited to carbon beams). The goal of this FOA is to provide the awardees with funding to enable inclusion of necessary resources (expertise or facilities) to carry out basic, and translational, and clinical research complementary to a clinical PBRT facility. The necessary expertise and efforts would be provided by a multidisciplinary team of basic, translational, and clinical researchers, including physicists, engineers, biologists, and physicians, while the research facilities may include, by way of example, cell culture laboratories, vivarium, and clinical anesthesia units for pediatric patients. Applicants responding to this FOA must propose at least one pilot project that will enable a PBRT research agenda in particle beam delivery systems, dosimetry, radiation biology, or translational pre-clinical studies. It is expected that this effort will lead to a national research resource capable of successfully competing for and securing the funding required to operate a specialized research center for clinical PBRT. This FOA is designed to support solely the planning for a Research Center at a separately funded PBRT facility, and not the PBRT facility itself. http://grants.nih.gov/grants/guide/pa-files/PAR-13-371.html

Modeling Social Behavior (R01)
Funding Opportunity Number: (PAR-13-374)
Application Receipt/Submission Date(s): Multiple dates, see announcement.
Description: This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole. To accomplish the goals of this initiative, we encourage applications that build transdisciplinary teams of scientists spanning a broad range of expertise. Minimally this team should include investigators with expertise in the behavioral or social sciences as well as in computational and systems modeling (computer science, mathematics, engineering, or other systems sciences). Applications should demonstrate bridge-building between disciplines, scales and levels. http://grants.nih.gov/grants/guide/pa-files/PAR-13-374.html

Nutrigenetics and Nutrigenomics Approaches for Nutrition Research (R01)
Funding Opportunity Number: (PAR-13-375)
Application Receipt/Submission Date(s): March 20, 2014; March 19, 2015; March 22, 2016
Description: The main objective of this Funding Opportunity Announcement (FOA) is to promote application of nutrigenetics and/or nutrigenomics approaches to nutrition research through collaborative interaction among nutrition researchers and experts in omics technologies. http://grants.nih.gov/grants/guide/pa-files/PAR-13-375.html

NIBIB Biomedical Technology Resource Centers (P41)
Funding Opportunity Number: (PAR-13-376)
For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Application Receipt/Submission Date(s): Multiple dates, see announcement.

Description: This Funding Opportunity Announcement (FOA) encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly. [http://grants.nih.gov/grants/guide/pa-files/PAR-13-376.html](http://grants.nih.gov/grants/guide/pa-files/PAR-13-376.html)

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
Funding Opportunity Number:  (RFA-AG-14-008)
Application Receipt Date(s): February 03, 2014

Description: The purpose of this FOA is to solicit R03 applications for up to two years for secondary analysis of data on aging in the areas of psychology, social epidemiology, economics, sociology, and demography. [http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-008.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-008.html)

Pilot Clinical Trials to Eliminate the Latent HIV Reservoir (U01)
Funding Opportunity Number:  (RFA-AI-13-055)
Application Receipt Date(s): March 07, 2014

Description: This Funding Opportunity Announcement (FOA) solicits applications for support of pilot clinical trials to evaluate interventions aimed at the elimination of the HIV reservoir in HIV-infected adults who are on suppressive antiretroviral therapy. It is expected that the trials will be fully integrated with laboratory-based analytical tools to detect and measure elimination of latently-infected cells both in blood and in tissue. [http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-055.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-055.html)

Sub-Saharan African Collaborative HIV and Cancer Consortia (U54)
Funding Opportunity Number:  (RFA-CA-13-010)
Application Receipt Date(s): January 17, 2014

Description: The purpose of this Funding Opportunity Announcement (FOA) is to promote and facilitate research on HIV and cancer in Africa through collaborative efforts between investigators in United States (U.S.) and investigators in sub-Saharan African countries. The FOA solicits applications for Specialized Center Cooperative Agreements (U54) for research on HIV-associated cancers from research institutions in the U.S. and sub-Saharan Africa. Each application is required to propose between two to four research projects that address high-priority questions relevant to the African country. The proposed projects may range, as appropriate, from basic research to translational efforts as well as population and implementation studies. Clinical trials, however, will not be supported. In addition, the proposed Consortium must include two mandatory cores; an Administrative/Coordinating Core and a Mentoring/Career Development Core. Additional cores such as any technical shared resources cores may be included as appropriate for the needs of the projects. [http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-010.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-010.html)

Novel Methods for Detection and Measurement of Organ Fibrosis in Kidney, Bone Marrow and Urological Diseases (U01)
Funding Opportunity Number:  (RFA-DK-13-026)
Application Receipt Date(s): March 19, 2014

Description: The purpose of this FOA is to establish a consortium to carry out research on novel methods for detection and measurement of organ fibrosis after acute or chronic injury in kidney, bone marrow, prostate, or urinary tract. [http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-026.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-026.html)

Clinical Research in the Prevention, Diagnosis, and Treatment of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R01)
Funding Opportunity Number:  (RFA-HL-14-023)
Application Receipt Date(s): January 8, 2014; May 8, 2014; September 9, 2014; and January 8, 2015

Description: This Funding Opportunity Announcement (FOA) invites clinical research project grant (R01) applications on the prevention, diagnosis, and treatment of HIV-related heart, lung, and/or blood (HLB) diseases in adults and children. Proposed projects may utilize various approaches such as observational studies; quasi-experimental designs; and single-center, pilot trials. Whenever possible, investigators are strongly encouraged to leverage existing infrastructure such as clinical cohorts, biological specimens and imaging banks. The goal of this FOA is to address major scientific gaps

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in characterizing, preventing, diagnosing, or treating HIV-related HLB diseases and foster multi-disciplinary collaborations among investigators.


**Basic Research in the Pathogenesis of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R01)**

**Funding Opportunity Number:** (RFA-HL-14-024)

**Application Receipt Date(s):** January 8, 2014; May 8, 2014; September 9, 2014; and January 8, 2015

**Description:** This Funding Opportunity Announcement (FOA) invites basic research project grant (R01) applications to investigate the fundamental mechanisms underlying the pathogenesis of HIV-related heart, lung, and/or blood (HLB) diseases alone and in the context of antiretroviral therapy (ART). Investigations may be conducted on various primary cell types, biospecimens, computational models, and animal models, particularly those used for HIV research. The goal is to provide the critical basic science foundation and guide the design of new therapeutic approaches for HIV-related HLB conditions in adults and children.


**Basic Research in the Pathogenesis of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R21)**

**Funding Opportunity Number:** (RFA-HL-14-029)

**Application Receipt Date(s):** January 8, 2014; May 8, 2014; September 9, 2014; and January 8, 2015

**Description:** This Funding Opportunity Announcement (FOA) invites basic research project grant (R21) applications to investigate the fundamental mechanisms underlying the pathogenesis of HIV-related heart, lung, and/or blood (HLB) diseases alone and in the context of antiretroviral therapy (ART). Investigations may be conducted on various primary cell types, biospecimens, computational models, and animal models, particularly those used for HIV research. The goal is to provide the critical basic science foundation and guide the design of new therapeutic approaches for HIV-related HLB conditions in adults and children.


**Data Management and Coordinating Center (DMCC) for Rare Diseases Clinical Research Network (RDCRN) (U01)**

**Funding Opportunity Number:** (RFA-TR-13-003)

**Application Receipt Date(s):** December 19, 2013

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to invite new and renewal cooperative agreement applications for the DMCC, which supports the RDCRN. The Network facilitates clinical research in rare diseases through support for 1) collaborative clinical research in rare diseases, including longitudinal studies of individuals with rare diseases, clinical studies and/or phase I, II and II/III trials; 2) training of clinical investigators in rare diseases research; 3) pilot and demonstration projects; 4) clinical data management that incorporates novel approaches and technologies for data management, data mining, and data sharing across rare diseases, data types, and platforms; and 5) access to information related to rare diseases for basic and clinical researchers, academic and practicing physicians, patients, and the lay public. The DMCC (U01) cooperative agreement application will focus on innovative ways to provide the infrastructure and support to the individual sites in their activities relevant to items 1-3 as well as a focus on issues relevant to items 4 and 5. See companion FOA RFA-TR-13-002


**Research on Malignancies in the Context of HIV/AIDS (R01)**

**Funding Opportunity Number:** (PA-13-377)

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

**Description:** This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications from institutions/organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both non-AIDS defining and AIDS-defining malignancies in diverse populations. This FOA encourages research efforts that will (i) provide information on the clinical outcomes of such cancers in the HIV-infected population and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and progression of malignancies.

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pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.


**Research on Malignancies in the Context of HIV/AIDS (R21)**

**Funding Opportunity Number:** (PA-13-378)

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

**Description:** This funding opportunity announcement (FOA) encourages Research Project Grant (R21) applications from institutions/organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both non-AIDS defining and AIDS-defining malignancies in diverse populations. This FOA encourages research efforts that will (i) provide information on the clinical outcomes of such cancers in the HIV-infected population and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.


**Administrative Supplements to NIH Awards for Validation Studies of Analytical Methods for Natural Products (Admin Supp)**

**Funding Opportunity Number:** (PA-13-381)

**Application Receipt/Submission Date(s):** January 31, 2014; June 30, 2014, October 31, 2014; January 31 2015; June 30 2015; October 31, 2015

**Description:** This Funding Opportunity Announcement (FOA) announces an administrative supplement program to provide funds to NCI- and NIDDK-supported research projects for validation studies of new analytical chemistry methods. These methods must have been developed or be under development by the awardees during the active parent grant. They must be methods used to identify and quantify constituents (bioactive and other chemical marker constituents and/or their metabolites, adulterants, or contaminants) in products intended for oral administration in humans or in biological specimens such as urine, plasma, or animal tissues. As test agents the products studied may be investigated in vitro or in vivo. The products under investigation in parent grants may be dietary supplements (including vitamins or other bioactive compounds), foods, and other orally administered natural products or their raw source materials.


**Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R01)**

**Funding Opportunity Number:** (PAR-13-379)

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

**Description:** The goal of this funding opportunity announcement is to support the development of well-founded outcome measures, including establishing their reliability and validity, for clinical studies of oral and craniofacial diseases and conditions.


**Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R21)**

**Funding Opportunity Number:** (PAR-13-380)

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

**Description:** The goal of this funding opportunity announcement is to support the development of well-founded outcome measures, including establishing their reliability and validity, for clinical studies of oral and craniofacial diseases and conditions.


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From left to right, Christopher Grayson, Horatiu Vinerean, and Aida Reus

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