ORED Communicator - May 2015

Office of Economic Research and Development, Florida International University

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The Arctic plays a significant role in global climate change. The consensus of scientific thought holds that recent and ongoing Arctic change, such as the record minimum sea ice extent in September 2012, is beyond natural variability and represents a harbinger of changes to come. The IPCC 2001 report states: "Because of a variety of positive feedback mechanisms, the Arctic is likely to respond rapidly and more severely than any other area on Earth, with consequent effects on sea ice, permafrost, and hydrology." Changes felt in the Arctic, in turn, will ultimately have global impacts, through feedbacks related, for example, to melting ice and release of carbon and methane from permafrost.

To understand the current state of Arctic processes, the interconnectivity within the Arctic system, and the trajectory of change, a team of researchers, led by an FIU scientist, will travel to the Arctic Ocean in August—October 2015 to conduct experiments that will contribute to better understanding the effects of global climate change in the region.

Established by the U.S. GEOTRACES Science Steering Committee, the U.S. Arctic GEOTRACES initiative will be part of an international, multiple icebreaker effort—provided by the United States, Canada and Germany—and will include scientists from several nations who will conduct sampling of the Arctic Ocean.

GEOTRACES is an international program whose mission is to identify processes and quantify fluxes that control the distributions of key trace elements in the ocean, and to establish the sensitivity of these distributions to changing environmental conditions. The GEOTRACES program has held several informational meetings around the world to update the scientific community on the planning process and solicit input from researchers. The meetings and workshops, funded in part by the National Science Foundation, have brought together some of the world’s top scientists interested in the biogeochemical cycles of trace elements and their isotopes to assist in planning the expeditions. Most recently, in January 2015, a team of 70 scientists, students, Coast Guard personnel, and National Science Foundation managers, organized by Dr. Kadko, met in Miami to finalize the plans for this summer’s expedition.
Upcoming Events

May 2015

- May 5, 1 to 5 pm, SIPA Auditorium, 2015 IFRI Symposium, RSVP required
- May 6, 8:15 am to 5 pm, SIPA Auditorium, 2015 IFRI Symposium, RSVP required
- May 12, 10 am to 5 pm, TBD, South Florida Child Psychology Conference, registration required
- May 13, 12 to 1 pm, AHC 1 #110, “Community Workshop: Creating a Daily Report Card”
- May 14, 12 to 1 pm, AHC 1 #110, “Community Workshop: Creating a Daily Report Card”
- May 15, 7 to 8 pm, Murray E. Nelson Government & Cultural Center, 102050 Overseas Highway Key Largo, FL, “To Live and Work Beneath the Sea: Aquarius,” presented by Tom Potts

June 2015

- June 11, 12 to 1 pm, AHC 1 #110, “Community Workshop: Understanding Autism and How Early Intervention Can Help”
- June 11, 6 to 7 pm, AHC 1 #110, “Community Workshop: Understanding Autism and How Early Intervention Can Help”
- June 21 through June 23, BBC, “LAJSA XVII: International Research Conference of the Latin American Jewish Studies Association”

Awards Received—March 2015

FIU researchers were awarded $7,320,648 in March 2015. Below is a listing of awards received.

**PI: Malek Adjouadi**
Elec and Computer Eng  
Award Action Type: Initial  
Awarding Sponsor: University of Miami  
Title: A Consortium to Study Novel Markers of Early Alzheimer's disease Award: $ 40,498

**PI: Kemal Akkaya**
Elec and Computer Eng  
Award Action Type: Initial  
Awarding Sponsor: National Science Foundation  
Title: REU Site: Security of Smart Things: From Small Devices to Large Infrastructures Award: $ 55,682

**PI: Kemal Akkaya**
Elec and Computer Eng  
Award Action Type: Initial  
Awarding Sponsor: National Science Foundation  
Title: REU Site: Security of Smart Things: Participant Support Award: $ 300,240

**PI: Frederick W Anderson**
COM Humanities Hlth and Soc  
Award Action Type: Initial  
Awarding Sponsor: FIU Foundation  
Title: Green Family Foundation NeighborhoodHELPMobile Health Center Award: $ 158,040
<table>
<thead>
<tr>
<th>PI: Frederick W Anderson</th>
<th>COM Humanities Hlth and Soc</th>
<th>Award Action Type: Increase</th>
<th>Awarding Sponsor: Health Foundation of South Florida</th>
<th>Title: Green Family Foundation (GFF) NeighborhoodHELP Mobile Health Center</th>
<th>Award: $24,542</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI: Shekhar Bhansali</td>
<td>Elec and Computer Eng</td>
<td>Award Action Type: Initial</td>
<td>Awarding Sponsor: PicoCal Inc</td>
<td>Title: Biosensors- Effect of design on efficacy of sensors</td>
<td>Award: $7,261</td>
</tr>
<tr>
<td>PI: Eric Bishop-Von Wetberg</td>
<td>Biology</td>
<td>Award Action Type: Increase</td>
<td>Awarding Sponsor: University of California Davis</td>
<td>Title: A reverse-introgression and community genomics strategy to enrich</td>
<td>Award: $113,691</td>
</tr>
<tr>
<td>PI: Eric Bishop-Von Wetberg</td>
<td>Int'l Ctr for Tropical Botany</td>
<td>Award Action Type: Initial</td>
<td>Awarding Sponsor: National Science Foundation</td>
<td>Title: DISSERTATION RESEARCH: Evolution and domestication genetics</td>
<td>Award: $18,850</td>
</tr>
<tr>
<td>PI: Werner Boeglin</td>
<td>Physics</td>
<td>Award Action Type: Initial</td>
<td>Awarding Sponsor: U.S. Department of Energy</td>
<td>Title: Hadronic Physics with Electromagnetic Probes</td>
<td>Award: $250,681</td>
</tr>
<tr>
<td>PI: Kevin Boswell</td>
<td>Biology</td>
<td>Award Action Type: Increase</td>
<td>Awarding Sponsor: Nova Southeastern University</td>
<td>Title: DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico</td>
<td>Award: $12,600</td>
</tr>
<tr>
<td>PI: Kathryn Elizabeth Brogan</td>
<td>Dietetics and Nutrition</td>
<td>Award Action Type: Continuation</td>
<td>Awarding Sponsor: Henry Ford Health System</td>
<td>Title: Encouraging Young Adults to Make Effective Nutrition Choices: MENU Gen Y</td>
<td>Award: $7,650</td>
</tr>
<tr>
<td>PI: Deron Burkepile</td>
<td>Biology</td>
<td>Award Action Type: Initial</td>
<td>Awarding Sponsor: National Science Foundation</td>
<td>Title: CAREER: Fish-derived nutrients in a coral reef ecosystem - impacts on benthic</td>
<td>Award: $177,744</td>
</tr>
<tr>
<td>PI: Catherine Camille Coccia</td>
<td>Dietetics and Nutrition</td>
<td>Award Action Type: Initial</td>
<td>Awarding Sponsor: U.S. Department of Agriculture</td>
<td>Title: Preventing Overweight/Obesity in Elementary School Children:</td>
<td>Award: $150,000</td>
</tr>
</tbody>
</table>

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
**PI: Stewart J D'Alessio**  
Criminal Justice  
Award Action Type: Initial  
Awarding Sponsor: Miami-Dade County  
Title: Project PEACE: People Engaged and Advocating for Community Empowerment. Award: $ 29,999

**PI: Matthew DeGennaro**  
Biomolecular Science Institute  
Award Action Type: Initial  
Awarding Sponsor: National Institutes of Health  
Title: Identifying Mosquito Receptors that Detect Human Odor Award: $ 159,600

**PI: Nazira El-hage**  
COM Immunology  
Award Action Type: Increase  
Awarding Sponsor: National Institutes of Health  
Title: Role of Autophagy in Microglia-induced NeuroAIDS in Substance Abuse Award: $ 357,062

**PI: Sheldon D Fields**  
Nursing and Hlth Sci Deans Off  
Award Action Type: Supplemental  
Awarding Sponsor: FHI 360  
Title: HIV Prevention Trials Network Leadership Award: $ 12,623

**PI: Zhaohui J Fu**  
Library Operations  
Award Action Type: Initial  
Awarding Sponsor: University of Florida  
Title: Unearthing St Augustines Colonial Heritage Using Geo-spatially Enabled Award: $ 57,500

**PI: Arindam Gan Chowdhury**  
Civil and Environ Engineering  
Award Action Type: Initial  
Awarding Sponsor: National Science Foundation  
Title: NSF I-Corps: "Innovative Hurricane Damage Mitigation Systems" Award: $ 10,000

**PI: Cheng-Tin Gan**  
Civil and Environ Engineering  
Award Action Type: Initial  
Awarding Sponsor: TransAction Associates Inc  
Title: 2015 Data Update and Maintenance for Rural INTDAS System Award: $ 18,141

**PI: Raul Gonzalez Jr**  
Center for Children and Fam  
Award Action Type: Continuation  
Awarding Sponsor: National Institutes of Health  
Title: The Impact of Cannabis Use on the Neurocognitive Functioning of Award: $ 489,301

**PI: Michelle Hospital**  
SISH  
Award Action Type: Continuation  
Awarding Sponsor: Pennsylvania State University  
Title: A Longitudinal Study of Parent Communication with College Students Award: $ 80,935
PI: Julio E Ibarra
CIARA
Award Action Type: Initial
Awarding Sponsor: National Science Foundation
Title: IRNC Backbone - AmLight Express and Protect (ExP)  
Award: $ 1,000,000

PI: Leonel E Lagos
ARC Applied Research Center
Award Action Type: Increase
Awarding Sponsor: Office of Environmental Management
Title: Florida International University's Research Support to the Department  
Award: $ 427,807

PI: Leonel E Lagos
ARC Applied Research Center
Award Action Type: Increase
Awarding Sponsor: Office of Environmental Management
Title: Florida International University's Research Support  
Award: $ 243,873

PI: Leonel E Lagos
ARC Applied Research Center
Award Action Type: Increase
Awarding Sponsor: Office of Environmental Management
Title: Florida International University's Research Support to the  
Award: $ 193,424

PI: Leonel E Lagos
ARC Applied Research Center
Award Action Type: Increase
Awarding Sponsor: Office of Environmental Management
Title: Florida International University's Research Support to the  
Award: $ 268,825

PI: Leonel E Lagos
ARC Applied Research Center
Award Action Type: Increase
Awarding Sponsor: Office of Environmental Management
Title: Florida International University's Research Support to the  
Award: $ 384,757

PI: Christian Larsen
The Wolfsonian
Award Action Type: Initial
Awarding Sponsor: Emily Hall Tremaine Foundation
Title: Philodendron: From Pan-Latin Exotic to American Modern  
Award: $ 150,000

PI: Kingsley Lau
Civil and Environ Engineering
Award Action Type: Initial
Awarding Sponsor: Florida Department of Transportation
Title: Corrosion Evaluation of Novel Coatings for Steel Components of Highway Bridges: Phase II  
Award: $ 98,587

PI: Chengxian Lin
Mechanical and Mat Engineering
Award Action Type: Initial
Awarding Sponsor: American Society of Heating Refrigerat
Title: Grant-in-Aid: Toward a fast modeling, real-time energy simulation,  
Award: $ 10,000
**PI: Wei-Chiang Lin**  
Biomedical Engineering  
Award Action Type: Continuation  
Awarding Sponsor: Miami Children's Hospital  
Title: Multimodal Neuromonitoring and Neuroprotection in Critically Ill Children  
Award: $18,692

**PI: Jason Xiaowen Liu**  
Computer Info Sciences  
Award Action Type: Initial  
Awarding Sponsor: Los Alamos National Laboratory  
Title: Scalable Discrete Event Simulation for Performance Prediction  
Award: $150,000

**PI: Dwayne McDaniel**  
ARC Applied Research Center  
Award Action Type: Increase  
Awarding Sponsor: U.S. Department of Energy  
Title: Development of Reduced Order Model for Reacting Gas-Solid Flow  
Award: $18,248

**PI: Norman D Munroe**  
OSAS Engineering and Computing  
Award Action Type: Increase  
Awarding Sponsor: National Action Council for Minorities  
Title: NACME Initiative at Florida International University  
Award: $41,000

**PI: Edward P Murray**  
Metropolitan Center  
Award Action Type: Initial  
Awarding Sponsor: City of Hallandale  
Title: February 2015 Hallandale Beach CRA Strategic Planning Retreat  
Award: $7,950

**PI: Nezih Pala**  
Elec and Computer Eng  
Award Action Type: Increase  
Awarding Sponsor: University of Utah  
Title: 3D Simulation of THz Plasmonic Structures  
Award: $40,420

**PI: Carlos Manuel Parra**  
COB Dept of Marketing  
Award Action Type: Initial  
Awarding Sponsor: Inter-American Development Bank  
Title: Impact of livelihood-linked microfinance products and enterprise  
Award: $99,550

**PI: Jeremy W Pettit**  
Center for Children and Fam  
Award Action Type: Initial  
Awarding Sponsor: National Institutes of Health  
Title: Neural correlates of attention training in children with anxiety disorders  
Award: $33,836

**PI: Shaolei Ren**  
Computer Info Sciences  
Award Action Type: Initial  
Awarding Sponsor: National Science Foundation  
Title: CAREER: Coordinating Tenants in Colocation Data Centers via Market Approach  
Award: $130,344
**PI: Margaret Sibley**  
Center for Children and Fam  
Award Action Type: Initial  
Awarding Sponsor: National Institute of Mental Health  
Title: Effectiveness of MI Enhanced Behavior Therapy for Adolescents with ADHD  
Award: $465,983

**PI: Berrin Tansel**  
Civil and Environ Engineering  
Award Action Type: Initial  
Awarding Sponsor: Miami-Dade County Water and Sewer  
Title: 2015/2016 Water-Use Consumption Data Gathering  
Award: $77,343

**PI: Tiffany Troxler**  
Southeast Env Research Ctr  
Award Action Type: Continuation  
Awarding Sponsor: University of Florida  
Title: Effects of saltwater intrusion on Everglades peat soil  
Award: $31,110

**PI: Yukching Tse Dinh**  
Chemistry  
Award Action Type: Increase  
Awarding Sponsor: National Institutes of Health  
Title: Control of DNA Topology  
Award: $22,352

**PI: Maria Elena Villar**  
Advertising and Public Rel  
Award Action Type: Initial  
Awarding Sponsor: Hampton University  
Title: Hampton University Ministers’ Conference Multimedia Men's Health Project  
Award: $18,996

**PI: Eric Wagner**  
School of Social Work  
Award Action Type: Continuation  
Awarding Sponsor: National Institute on Drug Abuse  
Title: Brief Intervention for Substance Using Native Youth  
Award: $575,598

**PI: Eric Wagner**  
School of Social Work  
Award Action Type: Initial  
Awarding Sponsor: Ware Foundation  
Title: Yoga as a Complement to Standard Care for Adolescents with  
Award: $24,734

**PI: Yuying Zhang**  
Biology  
Award Action Type: Increase  
Awarding Sponsor: University of Florida  
Title: Developing a size-structured stock assessment model for the spiny lobster  
Award: $51,581

**PI: Yuying Zhang**  
Biology  
Award Action Type: Increase  
Awarding Sponsor: University of Florida  
Title: Developing a size-structured stock assessment model for the spiny lobster  
Award: $3,000
### Limited Submission Funding Opportunities

Below are limited submission opportunities with upcoming internal deadlines:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Program</th>
<th>Institutional Submission Limits</th>
<th>Internal Deadline</th>
<th>Agency Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF</td>
<td><strong>Collections in Support of Biological Research (CSBR)</strong> (NSF 14-564)</td>
<td>Three per organization. In a single round of the CSBR competition, only one proposal may be submitted from any individual collection within an organization. One organization may not submit more than three proposals to any one CSBR competition.</td>
<td>5/13/2015</td>
<td>7/13/2015</td>
</tr>
<tr>
<td>NIH</td>
<td><strong>Developing and Improving Institutional Animal Resources (G20)</strong> (PAR-13-219)</td>
<td>One per institution</td>
<td>6/3/2015</td>
<td>8/3/2015</td>
</tr>
<tr>
<td>NSF</td>
<td><strong>Improving Undergraduate STEM Education: Pathways into Geoscience</strong> (NSF 15-526)</td>
<td>One per institution</td>
<td>6/14/2015</td>
<td>Prelim Proposal Deadline: 8/14/2015 Agency Deadline: 10/05/2015</td>
</tr>
<tr>
<td>NIH</td>
<td><strong>Institutional Research and Academic Career Development Awards (IRACDA) (K12)</strong> (PAR-13-290)</td>
<td>One per institution</td>
<td>7/24/2015</td>
<td>9/24/2015</td>
</tr>
<tr>
<td>FL Dept Health</td>
<td><strong>Ed and Ethel Moore Alzheimer’s Disease Research Program: Consortium Grant</strong> *</td>
<td>Institution may be lead on only one consortium grant application.</td>
<td>06/19/2015</td>
<td>Agency LOI/Prelim Deadline: On or around 7/10/2015 Agency Proposal Deadline: On or around 8/07/2015</td>
</tr>
<tr>
<td>FL Dept Health</td>
<td><strong>Ed and Ethel Moore Alzheimer’s Disease Research Program: Standard Grant</strong> *</td>
<td>Only four standard grant applications per institution. Additional limitation is that only two applications may be submitted within the same research priority</td>
<td>06/19/2015</td>
<td>Agency LOI/Prelim Deadline: On or around 7/10/2015 Agency Proposal Deadline: On or around 8/07/2015</td>
</tr>
<tr>
<td>FL Dept Health</td>
<td><strong>Ed and Ethel Moore Alzheimer’s Disease Research Program: Pilot Grant</strong> *</td>
<td>Only two pilot grant applications per institution. Additional limitation is that the two applications must not be within the same research priority</td>
<td>06/19/2015</td>
<td>Agency LOI/Prelim Deadline: On or around 7/10/2015 Agency Proposal Deadline: On or around 8/07/2015</td>
</tr>
<tr>
<td>FL Dept Health</td>
<td><strong>Ed and Ethel Moore Alzheimer’s Disease Research Program: Postdoctoral Research Fellowship Grant</strong> *</td>
<td>Only one patient-oriented fellowship application per institution.</td>
<td>06/19/2015</td>
<td>Agency LOI/Prelim Deadline: On or around 7/10/2015 Agency Proposal Deadline: On or around 8/07/2015</td>
</tr>
</tbody>
</table>

*This is an Advance Notice of Funding Opportunity and all dates are subject to change upon final release of opportunity by the Sponsor*

Please visit our website at: [http://research.fiu.edu/funding/pages/limited-submissions.html](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

The funding opportunities are in a separate excel file, which includes a filter for agency, date and opportunity number.
# Contact ORED Senior Leadership

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrés G. Gil</td>
<td>Vice President for Research</td>
<td><a href="mailto:Andres.gil@fiu.edu">Andres.gil@fiu.edu</a></td>
</tr>
<tr>
<td>Tonja Moore</td>
<td>Associate Vice President for Research Strategic Planning &amp; Operations</td>
<td><a href="mailto:Tonja.moore@fiu.edu">Tonja.moore@fiu.edu</a></td>
</tr>
<tr>
<td>Luis P. Salas</td>
<td>Associate Vice President for Research</td>
<td><a href="mailto:Luis.salas@fiu.edu">Luis.salas@fiu.edu</a></td>
</tr>
<tr>
<td>Mirtha Alberto</td>
<td>Director, <strong>Budget &amp; Cost Analysis</strong></td>
<td><a href="mailto:Mirtha.alberto@fiu.edu">Mirtha.alberto@fiu.edu</a></td>
</tr>
<tr>
<td>Henry Artigues</td>
<td>Director, <strong>Research Operations &amp; External Partnerships</strong></td>
<td><a href="mailto:Henry.artigues@fiu.edu">Henry.artigues@fiu.edu</a></td>
</tr>
<tr>
<td>David Driesbach</td>
<td>Assistant Vice President, <strong>Research Information Systems</strong></td>
<td><a href="mailto:David.driesbach1@fiu.edu">David.driesbach1@fiu.edu</a></td>
</tr>
<tr>
<td>Christopher Grayson</td>
<td>Director, <strong>Research Integrity</strong></td>
<td><a href="mailto:Christopher.grayson@fiu.edu">Christopher.grayson@fiu.edu</a></td>
</tr>
<tr>
<td>C. Emily Gresham</td>
<td>Assistant Vice President, Innovation &amp; Economic Development</td>
<td><a href="mailto:Emily.gresham@fiu.edu">Emily.gresham@fiu.edu</a></td>
</tr>
<tr>
<td>Robert Gutierrez</td>
<td>Assistant Vice President and Director, <strong>Pre-Award</strong></td>
<td><a href="mailto:Robert.gutierrez@fiu.edu">Robert.gutierrez@fiu.edu</a></td>
</tr>
<tr>
<td>Pedro Hernández</td>
<td>Director, <strong>Technology Management &amp; Commercialization</strong></td>
<td><a href="mailto:Pedro.hernandez7@fiu.edu">Pedro.hernandez7@fiu.edu</a></td>
</tr>
<tr>
<td>Maureen Pelham</td>
<td>Director, <strong>Research Development</strong></td>
<td><a href="mailto:Maure.pelham@fiu.edu">Maure.pelham@fiu.edu</a></td>
</tr>
<tr>
<td>Aida Reus</td>
<td>Director, <strong>Post-Award</strong></td>
<td><a href="mailto:Aida.reus@fiu.edu">Aida.reus@fiu.edu</a></td>
</tr>
<tr>
<td>Horatiu Vinerean</td>
<td>Director, <strong>Laboratory Animal Research</strong>: Attending Veterinarian</td>
<td><a href="mailto:Horatiu.vinerean@fiu.edu">Horatiu.vinerean@fiu.edu</a></td>
</tr>
<tr>
<td>Susan Webster</td>
<td>Director, <strong>Training &amp; International Research Initiatives</strong></td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
</tr>
</tbody>
</table>

*FLORIDA INTERNATIONAL UNIVERSITY*  
*OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT*  
11200 SW 8th Street  
MARC 430  
Miami, FL 33199  
http://research.fiu.edu

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