FIU Research DoR Communicator

Researchers exchange ideas and meet prospective collaborators By Robyn Nissim

November 2013 Issue

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for the Humanities

NIH

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.



From left to right, Leonard Scinto (assistant professor, SEAS), Andrés Gil (vice president for research), and Fernando Noriega (professor, biology)



oortunities with Lindsay Malloy, a professor of psychology

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 <u>Heather Henderson</u>—part of CCF's Brown Bag Series.
- November 3 through 5: Society for the Study of Human Development 8th Biennial Meeting at Westin Beach Hotel and Spa: "Rethinking Developmental Science across the Life-span/Life-course: Theory, Methods and Applications." <u>http://sish.fiu.edu/events/2013/fort-lauderdale-society-for-the-study-of-human-development-conference/</u>
- November 7 from 10 am to 12 noon in RDB 1000, the Center for Leadership presents <u>Robert Schreiter</u>. Please visit <u>http://lead.fiu.edu/engagement/lectureseries/leadership/index.html</u> for registration details.
- November 8 at 9 am in EC 2300, "Coupled Multiscale Analysis of Bio and Nano–Mechanical Systems" by <u>Vinu</u> <u>Unnikrishnan</u> 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, <u>Stocker AstroScience Center</u> (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 <u>http://sish.fiu.edu/initiatives/biomolecular-and-biomedical/archived-lectures/</u>
- November 15 at 12 noon in AHC1 #110 "Neurobiological Organization of Language: Research Using High-Field Magnetic Resonance Imaging" by <u>Anthony Dick</u>—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 <u>here</u>.
- November 20 at 9:45 am in the MARC Pavilion "Connecting Genomic Alterations to Cancer Biology with Proteomics" presented by <u>Dr. Henry Rodríguez</u>, Director of the <u>Office of Cancer Clinical Proteomics Research</u> 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 <u>Dr. Richard Houghten</u> from <u>Torrey Pines Institute for Molecular Studies</u>.

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 <u>Raúl González</u>—part of CCF's Brown Bag Series.
 - December 10 at 3:30 pm in the MARC Pavilion "Developing Testable Hypotheses" by <u>O. Dale Williams</u>, 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 Estim Surge and Flooding 2013-2014	ate Losses from AWARD: \$	Storm 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 (CA	AHSI) 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 F National Historic Site	Fort Bowie, Fort Award: \$	Bowie 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 Microflu	iidic System	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. A this support, they provide graduate student support for individuals working for higher degrees in science	AwaRD: \$ As a tangible ex a areas of tropic	pression of al plant
PI: Eric Bishop-Von Wettberg BIOLOGY Award Action Type: Initial AWARDING SPONSOR: University of California Davis TITLE: Deducing the genemic feetprint and functional impact of chickness demostication on pitt	rogan fixation	213
PI: Eric Thomas Brewe COE TEACHING AND LEARNING Award Action Type: Initial AWARDING SPONSOR: National Science Foundation	Award: \$	31,465
TITLE: INSPIRE Type 1: Investigating Retention and Persistence with Network Analysis PI: David Richard Brown COM HUMANITIES HLTH AND SOC Award Action Type: Initial AWARDING SPONSOR: American Academy of Developmental Medicine TITLE: EPIEND Project	AWARD: \$	338,833
PI: Yong Cai ARC APPLIED RESEARCH CENTER Award Action Type: Increase	AwakD: \$	10,000

AWARDING SPONSOR: Office of Environmental Management

TITLE: Sub Project: Florida International Universit Environmental Management	ty's Research Support to the Department of End	ergy's Office of Award: \$	22,827
PI: Shu-Ching Chen INTERNATIONAL HURRICANE CENTER Award Action Type: Initial AWARDING SPONSOR: Florida Office of Insurance TITLE: Sub-Project: Florida Public Hurricane Loss Surge and Flooding 2013-2014	e Regulation s Model Project Model Enhancements to Estim	ate Losses from AWARD: \$	n Storm 153,678
PI: Jonathan Comer CENTER FOR CHILDREN AND FAM Award Action Type: Initial AWARDING SPONSOR: National Institute of Menta TITLE: Evaluating the Feasibility of Internet-Deliv	ll Health rered Parent-Child Interaction Therapy	Award: \$	28,192
PI: Carol E Damian FROST ART MUSEUM Award Action Type: Initial AWARDING SPONSOR: Miami-Dade County Cultu TITLE: FY 2013-2014 MCI Frost Art Museum	ral Affairs	Award: \$	24,575
PI: Jessy Devieux HEALTH PROMO AND DISEASE PREV Award Action Type: Initial AWARDING SPONSOR: University of California Lo TITLE: Seed grant	os Angeles	Award: \$	21,040
PI: Maureen Donnelly BIOLOGY Award Action Type: Initial AWARDING SPONSOR: National Science Foundation TITLE: Graduate Research Fellowship Program	on	Award: \$	2,000
PI: Maria C Donoso EARTH AND ENVIRONMENT Award Action Type: Increase AWARDING SPONSOR: US Agency for Internations TITLE: West Africa Water Supply-Ghana	al Development	Award: \$	1,903,254
PI: Maria C Donoso EARTH AND ENVIRONMENT Award Action Type: Increase AWARDING SPONSOR: US Agency for Internationa TITLE: West Africa Water Supply-Niger	al Development	Award: \$	484,482
PI: Maria-Rosa Drake NETWORK SERVICES Award Action Type: Initial AWARDING SPONSOR: National Science Foundation TITLE: FlowWaves: CC-NIE Networking Infrastru High Bandwidth Science Data Flows	on icture: FlowWave: Enabling	Award: \$	275,908
 EARTH AND ENVIRONMENT Award Action Type: Increase AWARDING SPONSOR: US Agency for Internationa TITLE: West Africa Water Supply-Ghana PI: Maria C Donoso EARTH AND ENVIRONMENT Award Action Type: Increase AWARDING SPONSOR: US Agency for Internationa TITLE: West Africa Water Supply-Niger PI: Maria-Rosa Drake NETWORK SERVICES Award Action Type: Initial AWARDING SPONSOR: National Science Foundation TITLE: FlowWaves: CC-NIE Networking Infrastrut High Bandwidth Science Data Flows 	al Development al Development on acture: FlowWave: Enabling	Award: \$ Award: \$	1,903, 484, 275,

PI: James W Fourqurean SOUTHEAST ENV RESEARCH CTR Award Action Type: Continuation AWARDING SPONSOR: National Park Service TITLE: The South Elorida Caribbean Inventory and Monitoring Network Undergraduate Internet	in and Training	Program
TILE. The South Florida Carlobean inventory and Monitoring Network Ondergraduate internst	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		
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	A WARDS	00.000
DI: Stauros Georgakonoulos	AWARD: \$	90,000
ELEC AND COMPUTER ENG Award Action Type: Initial AWARDING SPONSOR: Georgia Institute of Technology TITLE: EFRI-ODISSEI: Novel Perpetual Reconfigurable & Multi-Band "Origami Folding/Unfo Systems for Cognitive Intelligence Applications	ding" Electrom Award: \$	agnetic 683,766
PI: Mohammed A Hadi CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: University of Florida TITLE: STRIDE Internship-Amauris 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 for Flooding 2013-2014	om Storm Surg Award: \$	e and 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 Es Surge and Flooding 2013-2014 PI: Jin He 	timate Losses fr AWARD: \$	om Storm 423,271
PHYSICS Award Action Type: Initial		

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

AWARDING SPONSOR: National Science Foundation

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TITLE: Carbon nanotube based nanofluidic de	vice for biological sensing	Award: \$	308,623
PI: Michael Heithaus BIOLOGY Award Action Type: Initial AWARDING SPONSOR : National Science Four TITLE : Graduate Research Fellowship Program	ndation m	Award: \$	2,000
PI: Michelle M Hospital PSYCHOLOGY Award Action Type: Initial AWARDING SPONSOR: Ware Foundation TITLE: Enhancing Resilience among At-Risk Project TREBLE). Resilience among at Risk M	Minority Youth through Music Education: An Eva Ainority Youth through Music Education: An Eval	luation of ESML uation of ESMLA AWARD: \$	A (aka, 30.000
PI: Kenneth Arthur Jessell			,
DIVISION OF FINANCE AND ADMIN Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr TITLE: UniversityCity Prosperity Project	ransportation	Award: \$	100,000
PI: Sylvan C Jolibois CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr TITLE: 2013 Dwight D. Eisenhower Transpor	ransportation tation 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 Tr TITLE: Mohammaafali 2013 Fellowship: 2013	ransportation 3 Dwight D. Eisenhower Transportation Fellowship	o Program at FIU	3 000
PI: Sylvan C Jolibois CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr	ransportation		5,000
TITLE : Fakharian Qom '13 Felllowship: 2013 PI: Sylvan C Jolibois	B Dwight D. Eisenhower Transportation Fellowship	Program at FIU AWARD: \$	3,000
CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr TITLE: Crean 2013 Fellowship: 2013 Dwight	ransportation D. Eisenhower Transportation Fellowship Program	at FIU	10 000
PI: Sylvan C Jolibois CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr TITLE: Johnson 2013 Fellowship: 2013 Dwigh	ansportation ht D. Eisenhower Transportation Fellowship Progra	am at FIU	7 500
PI: Sylvan C Jolibois CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Tr	ransportation	AWAKD: Þ	7,500

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TITLE: Edmonson 2013 Fellowship: 2013 Dwight D. Eisenhower Transportation Fellowship Pro	gram at FIU	5 000
PI: Ranu Jung	AWARD: 9	3,000
BIOMEDICAL ENGINEERING		
Award Action Type: Increase		
AWARDING SPONSOR: FIU Foundation	A A	10.000
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
TTEEL Diomedical Engineering Exercise Senoralismp Fana	φ.	12,000
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: Sub Project 1: FIU's Research Support to Dept. of Energy's Office of Environmental Mar	agement	
	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: Sub Project 3- Remediation: FIU's Research Support to Dept. of Energy's Office of Envir	onmental Mana	gement
PI: Leonel Lagos	Award: 🤊	144,047
ARC APPLIED RESEARCH CENTER Award Action Type: Increase AWARDING SPONSOR: Office of Environmental Management TITLE: Subproject -Waste and D&D Eng: FIU's Research Support to Dept. of Energy's Office of Management	Environmental 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

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TITLE: FIU MBRS RISE - Administrative: MBRS Research Initiative for Scientific Enhancemen	t Awapp• \$	111 214
PI: Robert Lickliter DOR - DIVISION OF RESEARCH	ΑΨΑΚΟ. Φ	111,214
Award Action Type: Increase		
AWARDING SPONSOR: General Medical Sciences		
TILE. 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	A WADD• \$	70.000
TILE. American Sign Language Literacy Support System	ΑΨΑΚΟ. Φ	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 Awapping Sponsop: Entropical Botanic Garden		
TITLE: Conservation ecology of selected plants in Halmahera, Indonesia Graduate Assistantship f	for Melissa A	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		
TITLE: BRIDGE Funding 13-14	AWARD: \$	8,742
PI: Anthony McGoron BIOMEDICAL ENGINEERING Award Action Type: Initial AWARDING SPONSOR: National Institutes of Health	h h	155 100
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 Teach	ners at FIU	95 903
PI: Masoud Milani		25,205
COMPUTER INFO SCIENCES		
Award Action Type: Initial Awarding Sponsor: National Science Foundation		

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TITLE : Participant Payments: RET in Engineering and Computer Site: Nanotechnology Research Teachers at FIU	Experiences for 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 Demonstration of Smart Controls for Notional Ship Architecture	Scale Hardware 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		
PI: Rene Price SOUTHEAST ENV RESEARCH CTR Award Action Type: Increase AWARDING SPONSOR: South Florida Water Management District	Award: \$	451,646
TITLE: Hydrological Conditions of Mangrove Lakes Region of Everglades National Park PI: Raphael G Raptis CHEMISTRY Award Action Type: Initial	Award: \$	36,891
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 ex	pression of
this support, they provide graduate student support for individuals working for higher degrees in science.	n areas of tropic AWARD: \$	al plant 213
PI: Naphtali Rishe COMPUTER INFO 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 Praire/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	Awapd. \$	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 Methamphetamine in Oral Fluid	of Cocaine and 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 abi education through augmented reality	ility in construct AWARD: \$	ion 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)	21 500
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-	AwakD: \$ Building Ecosys	stems
(SHBE)	AWARD: \$	31,000

Limited Submission Funding Opportunities

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

Agency:	Miami Dade County I	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	internal proposal application	
Agency Deadline:	1/16/2014		
Status:	Open		

Link:	http://miamidadearts.culturegrants.org/navigation/links/page/tourist-development-council- tdc	
Agency:	National Institutes of Health	
Program:	Centers of Excellence for Research on CAM (P01) - AIDS Application (PAR-12-151)	
Institutional Submission Limits:	Only one application per institution is allowed.	
Internal Proposal Deadline:	11/25/2013internal proposal application	
Agency Deadline:	AIDS Application: 01/07/2014	
Status:	Open	
Link:	http://grants.nih.gov/grants/guide/pa-files/PAR-12-151.html	

Please visit our website at: <u>http://research.fiu.edu/funding/pages/limited-submissions.html</u> 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 ONRBAA14-001, 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. <u>http://www.grants.gov/search-</u>

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

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 gualifications, achievements (including first-author publications), and letters of recommendation. The mentor (or comentor, 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 qualities 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/searchgrants.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 **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-CRMRP-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-CRMRP-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 neuromusculoskeletal 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

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 http://www2.epa.gov/sites/production/files/2013-09/documents/uwsg-rfp-09262013_0.pdf

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. <u>http://epa.gov/exchangenetwork/grants/</u>

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/

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 threedimensional (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. <u>http://www.epa.gov/ncer/rfa/2013/2013_star_ocm.html</u>

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

http://www.imls.gov/applicants/detail.aspx?GrantId=11 or www.grants.gov and search by opportunity number.

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. http://www.imls.gov/applicants/detail.aspx?GrantId=23 or www.grants.gov and search by opportunity number.

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

http://www.imls.gov/applicants/detail.aspx?GrantId=22 or www.grants.gov and search by opportunity number.

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).

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

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

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 Gadwa 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 *i* research that significantly adds to knowledge and understanding of the humanities; *i* conferences on topics of major importance in the humanities that will benefit scholarly research; *i* archaeological projects that include the interpretation and communication of results (projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs); and *i* 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 preexisting 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. <u>http://www.grants.gov/web/grants/search-grants.html</u>

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). <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-013.html</u>

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. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-014.html</u>

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). <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-015.html</u>

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). <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-016.html</u>

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 ¹/₄ to ¹/₂ page in length. Brevity is appreciated. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-017.html</u>

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). <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-13-018.html</u>

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. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-001.html</u>

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. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-117.html</u>

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. <u>http://grants.nih.gov/grants/guide/pa-files/PA-13-359.html</u>

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

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. http://grants.nih.gov/grants/guide/pa-files/PA-13-361.html

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. http://grants.nih.gov/grants/guide/pa-files/PA-13-363.html

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. http://grants.nih.gov/grants/guide/pa-files/PA-13-368.html

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. http://grants.nih.gov/grants/guide/pa-files/PA-13-369.html

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 provide three consecutive years of support to individuals to provide them with the knowledge, tools and research experience that will enable them to transition to significant, individually-supported research. http://grants.nih.gov/grants/guide/pa-files/PAR-13-362.html

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

Evaluating Natural Experiments in Healthcare to Improve Diabetes Prevention and Treatment (R18) Funding Opportunity Number: PAR-13-365

Application Receipt/Submission Date(s): March 3, 2014, July 1, 2014, November 3, 2014, March 2, 2015, July 1, 2015, November 2, 2015, March 1, 2016, July 1, 2016, and November 1, 2016

Description: The purpose of this Research Demonstration and Disseminations Projects (R18) Funding Opportunity Announcement (FOA) is to support research to evaluate large scale policies or programs related to healthcare delivery that are expected to influence diabetes prevention and care. This FOA is not intended to support the initiation and delivery of new policies or programs. Research support is for the evaluation of the effectiveness of healthcare programs and/or policies implemented independent of NIH grant funding. The goal is to support research that meaningfully informs clinical practice and health policy related to prevention or management of diabetes.

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

Application Receipt/Submission Date(s): March 3, 2014, July 1, 2014, November 3, 2014, March 2, 2015, July 1, 2015, November 2, 2015, March 1, 2016, July 1, 2016, and November 1, 2016

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

Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes Prevention and Care (R34) Funding Opportunity Number: PAR-13-367

Application Receipt/Submission Date(s): March 3, 2014, July 1, 2014, November 3, 2014, March 2, 2015, July 1, 2015, November 2, 2015, March 1, 2016, July 1, 2016, and November 1, 2016

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

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 POs FOAs, each covering a subset of identified POs 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. POs 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 PO 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 <u>cancer detection</u>, <u>diagnosis</u>, 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 <u>clinical</u> effectiveness.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-016.html

Research Answers to NCI's Provocative Questions - Group A $\left(R21\right)$

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

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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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-017.html

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" (POs) 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 POs in Group B, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-019. POs 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-018.html

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

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" (POs) 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 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-019.html

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 Ouestions 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-13-020), using the R01 funding mechanism, solicits applications for PQs in Group C. The companion FOA for POs in Group C, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-021. POs 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:

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- 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-020.html

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 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 POs 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 POs FOAs, each covering a subset of identified POs 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 POs 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-021.html

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 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-13-022), 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-022.html

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" (POs) 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 POs 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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-023.html

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 POs 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 POs in Group E, using the R21 exploratory/developmental funding mechanism, is RFA-CA-13-025. POs 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. http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-024.html

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 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

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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. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-13-025.html</u>

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. <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-13-013.html</u>

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). <u>http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-006.html</u>

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

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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. <u>http://grants.nih.gov/grants/guide/pa-files/PAR-13-371.html</u>

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. <u>http://grants.nih.gov/grants/guide/pa-files/PAR-13-375.html</u>

NIBIB Biomedical Technology Resource Centers (P41) Funding Opportunity Number: (PAR-13-376)

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. <u>http://grants.nih.gov/grants/guide/pa-files/PAR-13-376.html</u>

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

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

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

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

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 in characterizing, preventing, diagnosing, or treating HIV-related HLB diseases and foster multi-disciplinary collaborations among investigators. http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-023.html

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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-024.html

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.

http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-029.html

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 http://grants.nih.gov/grants/guide/rfa-files/RFA-TR-13-003.html

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

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

http://grants.nih.gov/grants/guide/pa-files/PA-13-377.html

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.

http://grants.nih.gov/grants/guide/pa-files/PA-13-378.html

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. http://grants.nih.gov/grants/guide/pa-files/PA-13-381.html

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. <u>http://grants.nih.gov/grants/guide/pa-files/PAR-13-379.html</u>

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. <u>http://grants.nih.gov/grants/guide/pa-files/PAR-13-380.html</u>

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



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