NJIT Research Newsletter

Issue: ORN-2017-31

NJIT Research Newsletter includes recent awards, and announcements of research related seminars, webinars, national and federal research news related to research funding, and ***Grant Opportunity Alerts***. The Newsletter is posted on the NJIT Research Website http://www.njit.edu/research/ .

Special Announcement

Office of Research Events: Fall 2017

Event: Intellectual Property Open House
When: September 18, 2017; 12.00 PM – 2.00 PM; (Light lunch at 12.00 PM)
Where: Ballroom B, Campus Center
Brief Description: The IP processing protocol has been revised and implemented through a new organizational structure. The institutional IP Committee has been updated with faculty representation from colleges and areas. Information about the IP Committee, Invention Disclosure form, and IP processing protocol for acquisition of provisional and non-provisional patents is posted on the Office of Research website http://www.njit.edu/research/department-intellectual-property-and-patents-0/. The Open House on Intellectual Property and Patents will provide an overview of the new Invention Disclosure form and processes of the IP Committee for review and submission of provisional and non-provisional patents.

Sanjiv M. Chokshi, Esq., Assistant General Counsel for Patents and Intellectual Property, Sangeeta Bafna, Manager, Patents & Licensing Administration, and Judith Sheft, Associate Vice President, Technology Development will provide information and address your questions about IP related processes, marketing and technology transfer.

Agenda:
12.00 PM - 12.30 PM: Lunch and Introductions
12.30 PM - 2.45 PM: Organizational Overview: Department of Intellectual Property and Patents, IP Committee and IP Processes: Atam Dhawan

12.45 PM - 1.00 PM: Filling of Invention Disclosures: Best Practices and Assessment: Sangeeta Bafna
1.00 PM - 1.15 PM: Patent Acquisition Process: Provisional and Non-Provisional: Sanjiv Chokshi
1.15 PM - 1.30 PM: Marketing and Technology Transfer: Judith Sheft and Sageeta Bafrna
1.30 PM - 2.00 PM: Open Forum: Q&A

Please join us to learn more about the process of protecting your research as well as securing intellectual property towards commercialization. **Faculty, researchers, post-docs and staff are invited to attend.**

Event: Office of Research Open House
Workshop on Research Compliance, Responsible Conduct and Ethics: Recent Updates
Workshop on Streamlyne Training Session on Proposal Submission (For New Faculty)
When: September 26, 2017; 11.00 AM – 2.00 PM
Where: Ballroom A and B
Brief Description: The Fall 2017 Research Open House is hosted by the Office of Research with participation from Accounts Payable, Purchasing, Treasury, and Human Resources. We will have 7 information stations with staff representatives prepared to discuss and answer questions about processes and policies related to research administration. Our goal is to provide information about our policies and procedures and to answer questions from faculty and staff to help them in NJIT's research enterprise. We hope the conversations will strengthen our working relationships with the NJIT research community.

11:00 PM – 12:00 PM: Concurrent Workshops:
Ballroom A: Research Compliance, Responsible Conduct, and Ethics
Ballroom B: Streamlyne Training Session on Proposal Submission
12:00 PM – 12:30 PM: Lunch
12:30 PM – 2:00 PM: Faculty and Staff Conversations at Information Stations: You may ask your questions to the specific team members on each Information Table on the following topics:

- Proposal Submission and Streamlyne
- Research Compliance
- Subcontracts, Consulting, and Legal Agreements
- Intellectual Property and Patents
- Business Services (Travel, Purchasing, and Reimbursement)
- Grant Accounting (Budget Transfers, Personnel Forms Processing, Federal Uniform Guidance)
- Undergraduate Research and Innovation Opportunities and Grants for Undergraduate Students

Please join us to meet the staff in the Office of Research and other administrative offices to know more about research support related processes, and have your questions answered by specific team members.

Other Major Events hosted by the Office of Research:

Event: Panel Discussion: NSF CAREER Award
Date: October 16, 2017
Time: 2.00 PM – 3.00 PM
Place: 398 Fenster Hall

Event: URI Workshop
Date: October 17, 2017
Time: 2.00 PM – 5.30 PM
Place: Ballroom A/B

Event: Faculty Research Advisory Board Meeting
Date: November 13, 2017
Time: 11.30 AM – 1.30 PM
Place: 398 Fenster Hall

Event: President's Forum and Research Centers and Labs Showcase
Date: November 16, 2017
Time: 10.00 AM – 2.30 PM
Place: Ballroom A/B/G

Event: URI Workshop
Date: December 6, 2017
Time: 2.00 PM – 5.30 PM
Place: Ballroom A/B

Grant Opportunity Alerts

Keywords and Areas Included in the Grant Opportunity Alert Section Below

NSF: Small Business Innovation Research Program Phase I (SBIR); Small Business Technology Transfer Program Phase I (STTR); Research Coordination Networks (RCN); Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES); Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)
NIH: NIDDK Partnerships with Professional Societies to Enhance Scientific Workforce Diversity and Promote Scientific Leadership (R25); Understanding and Modifying Temporal Dynamics of Coordinated Neural Activity (R21) and (R01); BRAIN Initiative: Tools to Facilitate High-Throughput Microconnectivity Analysis (R01)
Department of Defense/US Army/DARPA/ONR: DoD Psychological Health/ Traumatic Brain Injury Research Program, Complex Traumatic Brain Injury Rehabilitation Research Clinical Research Award; Young Faculty Award; DoD Orthotics and Prosthetics Outcomes Research Award; Breast Cancer Research Program Innovator Award
Department of Energy: RFI: Solar Energy Technology Analysis & Data Needs; Advanced Power Electronics Design for Solar Applications; High-Energy-Density Laboratory Plasma Science; Fossil Fuel Large-Scale Pilots

NASA: Use of the NASA Physical Sciences Informatics System
National Endowment of Humanities: Summer Stipends; Research and Development Grants
Spencer Foundation: Small Research Grants Program
Bright Focus Foundation: Research Grants and Fellowships
Whitehall Foundation: Whitehall Foundation Grants
American Association for Cancer Research: AACR NextGen Grants for Transformative Cancer Research

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Recent Research Grant and Contract Awards

Congratulations to faculty and staff on receiving research grant and contract awards!

PI: Arijit Sengupta (PI)
Department: Engineering Technology
Grant/Contract Project Title: NIOSH (Region II) Education Resources Center - Occupational Safety
Funding Agency: NIH
Duration: 07/01/16-06/30/18

PI: Michael Siegal (PI), David Hontrop (Co-PI), Ji Meng Loh (Co-PI), Marvin Nakayama (Co-PI), and Zoi-Heleni Michalopoulou (Co-PI)
Department: Mathematical Sciences; Computer Science
Grant/Contract Project Title: EXTREEMS-QED: Research and Training in Computational and Data-Enabled Science and Engineering for Undergraduates in the Mathematical Sciences at NJIT
Funding Agency: NSF
Duration: 09/01/13-08/31/18

PI: Timothy Franklin (PI)
Department: NJII, NJIT
Grant/Contract Project Title: MarketShift III
Funding Agency: OEA, DoD
Duration: 07/01/17-08/31/18

PI: Namas Chandra (PI) and Maciej Skotak (Co-PI)
Department: Center for Brain Injury Biomechanics, Material and Medicine
Grant/Contract Project Title: Blast Analysis - Advancement of Military Medicine
Funding Agency: US Army
Duration: 05/01/15-07/31/18

PI: Bin Chen (PI)
Department: Center for Solar Terrestrial Research
Grant/Contract Project Title: Collaborative Research: Electron Acceleration and Emissions from the Solar Flare Termination Shock
Funding Agency: NSF
Duration: 09/01/17-08/31/20

PI: Bruce Bukiet (PI), James Lipuma (Co-PI), and Nancy Steffen-Fluhr (Co-PI)
Department: Mathematical Sciences; Humanities

Grant/Contract Project Title: NSF INCLUDES DDLP: Leadership and iSTEAM for Females in Elementary school (LiFE): An Integrated Approach to Increase the Number of Women Pursuing Careers in STEM
Funding Agency: NSF
Duration: 04/01/18-03/31/20

PI: Kurt Rohloff (PI)
Department: Computer Science
Grant/Contract Project Title: PALISADE: (Program obfuscation Advancement with Lattice Implementation for Scalable Application Demonstration of Efficiency)
Funding Agency: DARPA
Duration: 03/05/09-05/31/22

In the News…

(National and Federal News Related to Research Funding and Grant Opportunities)

Senate Approves Hike for NIH: Assuming this year's appropriations exercise still has meaning, the National Institutes of Health is a winner. Senate appropriators approved a $2 billion increase, $900 million more than the House bill. The Trump administration had wanted to slash the agency by $7.5 billion. A breakdown provided by the American Institute of Physics's FYI newsletter shows that within NIH, the National Institute of General Medical Sciences would get a 9 percent boost in the Senate bill and the National Institute of Biomedical Imaging & Bioengineering would get a 4 percent raise. FYI reports: "In addition to their stark rejection of President Trump's requested 22 percent budget cut, both bills explicitly reject the administration's proposal to cap research overhead costs at 10 percent."

In FY 2017, Congress enacted the 21st Century Cures Act, authorizing $4.8 billion over ten years in support of high priority NIH initiatives and research areas: the Precision Medicine Initiative's All of Us Research Program, the Brain Research through Advancing Innovative Neurotechnologies® (BRAIN) Initiative, the Beau Biden Cancer Moonshot, and Regenerative Medicine. Initial funding of $352 million was appropriated in the Further Continuing and Security Assistance Appropriations Act, 2017. The FY 2018 Budget includes the full $496 million authorized for these initiatives, requested in the new NIH Innovation Account managed by the Office of the Director. The funding for the Cancer Moonshot ($300 million) is to be transferred to the National Cancer Institute; the funding for the BRAIN Initiative is to be transferred to the National Institute of Neurological Disorders and Stroke ($43 million) and the National Institute of Mental Health ($43 million). The remaining funding is $100 million for the All of Us Research Program and $10 million for Regenerative Medicine. The NIH budget report is posted on the website https://officeofbudget.od.nih.gov/pdfs/FY18/NIH%20Overview%20Volume%20Final.pdf

Research in Material Science: The Subcommittees on Energy and Research and Technology of the House Science, Space, and Technology Committee recently held a joint hearing to review federally funded research in materials science. Researchers in this field analyze existing materials, studying their chemical, physical, atomic, and magnetic make up in order to develop new materials with

preferred properties. New materials research has facilitated innovations in areas such as biomedical engineering and at the Department of Defense. Investing in science, technology, engineering, and mathematics (STEM) education and the infrastructure that is needed for this advanced research is imperative. One witness at the hearing, Dr. Fred Higgs, a professor of Mechanical Engineering from Rice University and expert in tribology, expressed three main issues in his testimony. He stated that new materials can improve the safety and environmental impact of energy production technologies and that material advancements can provide the foundation for new technologies in medicine, transportation, manufacturing and computing. Additionally he promoted the merits of science prize competitions, university-federal lab/agency partnerships, and university-company partnerships, in speeding the development of advanced materials. The hearing testimony and archived video is available:
https://science.house.gov/legislation/hearings/joint-subcommittee-energy-and-subcommittee-research-and-technology-hearing

3d Printing Technology To Provide Patient-Specific Medical Needs 3D printing is the process of creating a solid three dimensional physical object from a digital design. What once was considered science fiction years ago is now bringing new hope to patients. One patient in New Brunswick, New Jersey recently received part of a new skull because part of his skull became unusable due to an infection. The skull implant used a plastic known as polyetheretherketone (PEEK), which has strength, stability and biocompatibility. Without the 3D printing technique, the normal course would have been to use a metal mesh—not as strong or as customized a fit-- to replace pieces of the skull. With the 3D printed model, there was an exact fit based on the CT scan of the patient's skull.

3D technology has become quite popular in the manufacture of medical devices too, due to its precision and accuracy. This technology is starting to become an efficient and cost effective manufacturing option for the medical devices industry for items like dental implants, hearing aids, custom made knee, surgical instruments and more. It also provides an additional platform for surgeons to plan and strategize surgeries in advance, thereby reducing operational risks especially in complex procedures. Further developments in this technology will involve further cost reduction, increased private and government funding to support the development of 3D products, and a reduction in waiting periods for devices to expand the 3D printing medical devices market. To learn more about this issue as it relates to the U.S. Food and Drug Administration (FDA), please visit: https://tinyurl.com/y7xfecyu

Ranking Dem Introduces Bill To Authorize Funding Increases For ARPA-E: Rep. Eddie Bernice Johnson (D-Texas), ranking member of the House Science, Space and Technology Committee, introduced bipartisan legislation to "authorize annual funding increases for the Advanced Research Projects Agency-Energy to reach $391 million in 2022." Johnson praised the agency, saying, "Even though the agency is still relatively young, ARPA-E has already demonstrated incredible success in advancing high-risk, high-reward energy technology solutions that neither the public nor the private sector had been willing or able to support in the past." More is posted on E&E Daily News website https://www.eenews.net/eedaily/stories/1060059919/feed

IBM Commits $240 Million For AI Lab In Partnership With MIT: MIT and IBM will enter into a decade-long research partnership that will see the creation of an artificial intelligence research lab at MIT where over 100 researchers from both sides of the collaboration will work "to advance four key focus areas within the AI field." One of those focuses will be "deep-learning algorithms that can help neural networks move from single-use applications to more generalized performance" –

serving to make AI more flexible in applications and transparent in processes. The intersection of AI and quantum computing will also be examined and "will aid both fields, with AI helping to identify and characterize quantum devices and with quantum computers helping to optimize machine learning methodologies." Also to be researched are AI applications in healthcare, cybersecurity, and, according to an IBM press release, the "economic implications of AI and investigate how AI can improve prosperity." The news release is posted on the website https://www.engadget.com/2017/09/07/ibm-watson-ai-lab-mit/?sr_source=Twitter

Build STEM Work Environments That Retain STEM Skills: In recent years, news outlets have stressed the importance of science, technology, engineering and math (STEM) skills. How important are these skills?

- 75% of the fastest-growing occupations require STEM skills.
- U.S. employment in STEM fields has gone up more than 30% since 2000.

Fortunately, the work environment can be an asset, as opposed to a liability, for STEM organizations. When STEM organizations establish a motivating work environment, people want to stay and the organizations prosper. In this diverse and inclusive work environment, employees know what is expected of them, they have authority delegated to them and they are rewarded for performance. They also receive guidance and feedback that helps them succeed in their current jobs and prepare for the next ones. The complete report by Forbes is posted on the website https://www.forbes.com/sites/forbescoachescouncil/2017/08/31/build-stem-work-environments-that-retain-stem-skills/#1d005762375c

NSF: Important Notice No. 140: **Training in Responsible Conduct of Research – A Reminder of the NSF Requirement**

Important Notice to Presidents of Universities and Colleges and Heads of Other National Science Foundation Grantee Organizations

The National Science Foundation (NSF) requires that each institution submitting a proposal certify that it has a plan to provide appropriate training and oversight in the ethical conduct of research to all undergraduates, graduate students, and postdoctoral researchers who will be supported by NSF to conduct research. The institutions are responsible for verifying that the training has been received. This is in accordance with the 2007 America COMPETES Act.[i]

The NSF recognizes the importance of research integrity and the responsible and ethical conduct of research. The scientific research enterprise is critical to our nation, and its progress depends on maintaining integrity in the process of conducting research. A recent report by the National Academies of Sciences, Engineering, and Medicine, called *Fostering Integrity in Research*, notes that the core values and guiding norms underpinning research integrity are crucial to assure that new generations of researchers are able to meet the challenges of a dynamic research environment.[ii]

NSF's Responsible Conduct of Research (RCR) requirement applies to the breadth of research disciplines the Foundation funds and the different educational levels of the students and post-doctoral researchers the agency supports. The training should be effective and appropriately tailored to the specific needs and circumstances at each university. Accordingly, it is the responsibility of each institution to determine both the focus and the delivery method for appropriate training.

The NSF Office of the Inspector General (OIG) has studied a sample of academic institutions to find out how they have implemented the RCR requirement.[iii] I encourage you to read the OIG report as well as the *Fostering Integrity in Research* report cited above. Both of these reports draw attention to the importance of maximizing the effectiveness of RCR education. The OIG report

suggests that universities could benefit from best practices. I would like to draw your attention to Chapters 9 and 10 in the *Fostering Integrity in Research* report to learn more about some best practices and the many resources available for RCR educational materials and strategies.

I believe we can all do more to achieve and demonstrate the effectiveness of RCR training and improve strategies for fostering research integrity. This will continue to be a topic of discussion at NSF, including the National Science Board, and among the scientific societies, universities, colleges, and other institutions involved in the research enterprise. Thank you for your continued commitment and dedication to this important endeavor.

France A. Córdova
Director
Website: https://www.nsf.gov/pubs/issuances/in140.jsp?org=NSF

Webinar and Events

Event: NSF Electronic Research Administration (ERA) Forum
When: Webcast on September 19, 2017 from 1:00 PM to 2:30 PM
Website: https://www.nsf.gov/events/event_summ.jsp?cntn_id=242973&org=NSF
About the Webinar: The National Science Foundation Electronic Administration (ERA) Forum Webinar will be hosted by NSF on September 19, 2017 at 1:00 p.m. ET. To participate in this Forum, please Register Now. The purpose of the Forum is to gather individual opinions and perspectives around NSF ERA activities. This open Forum will also be used to present proposed solutions, collect feedback, understand how solutions may impact the community, and solicit volunteers for testing. The topic of this Forum will be **NSF's initiative to streamline and modernize registration functionality,** including new role request features and dashboards for managing accounts, as well as how existing accounts will be migrated to the new system. This Forum will also provide updates on NSF's **Proposal Submission Modernization (PSM) implementation.**
Register: To join the webinar, register at https://nsf.webex.com/mw3100/mywebex/default.do?nomenu=true&siteurl=nsf&service=6&rnd=0.20863987569181452&main_url=https%3A%2F%2Fnsf.webex.com%2Fec3100%2Feventcenter%2Fevent%2FeventAction.do%3FtheAction%3Ddetail%26%26%26EMK%3D4832534b00000004c693c9e5bf95c6378143889c83b449df1afb758d126a18d3a32ada6e408b4661%26siteurl%3Dnsf%26confViewID%3D64661111566288208%26encryptTicket%3DSDJTSwAAAASfqH52FIFG2Rp9KqoZOUiEjKZUZLbVxcAYaGffuCJoxQ2%26

Event: Drones on Campus: Policies to Achieve Institutional Compliance and Minimize Risk
When: Tuesday, September 26 ; 2.00 PM – 3.30 PM
Website: https://www.paper-clip.com/Main/product-catalog/3492.aspx
About the Webinar: Since December 2015, over 800,000 drone owners have registered with the Federal Aviation Administration and it expects that number to triple in size to 3.55 million by 2021. Unmanned Aircraft Vehicle (UAV aka Drones) are being used by campuses in innovative ways to enhance research, improve learning, and elevate campus events.
As a result of the expansion of drone usage and rapid advancement of this technology, institutions along with federal and state governments have struggled to keep up and adapt laws and regulations regarding their use.

Join our expert presenter on September 26, 2017, and in just 90 minutes, you and your staff will learn about the **current types of UAV being used on your campus, identify federal, state and privacy laws that impact use of drones on your campus and enhance the educational mission of your institution through the use of this technology.**
Panelists: Shawn Troxler currently serves as an Associate General Counsel at North Carolina State University located in Raleigh, NC. (Click here for full bio)

Grant Opportunities

National Science Foundation

Grant Program: Small Business Innovation Research Program Phase I (SBIR)
Agency: National Science Foundation NSF 17-596
RFP Website: https://www.nsf.gov/pubs/2017/nsf17596/nsf17596.htm
Brief Description: The SBIR program is Congressionally mandated and intended to support scientific excellence and technological innovation through the investment of federal research funds to build a strong national economy by stimulating technological innovation in the private sector; strengthening the role of small business in meeting federal research and development needs; increasing the commercial application of federally supported research results; and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The SBIR program at NSF solicits proposals from the small business sector consistent with NSF's mission to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense.

The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011) and reauthorized by Public Law 114-328. SBIR/STTR policy is provided by the Small Business Administration (SBA) through the SBIR Policy Directive. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF SBIR/STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR/STTR legislation by transforming scientific discovery and innovation into both social and economic benefit, and by emphasizing private sector commercialization.
Because the program has no topical or procurement focus, the NSF offers very broad solicitation topics that are intended to permit as many eligible science- and technology-based small businesses as possible to compete for funding. The topics are detailed on the website. In many cases, the program is also open to proposals focusing on technical and market areas not explicitly noted in the aforementioned topics.
Awards: Fixed award; **Anticipated Funding Amount:** $33,750,000
Letter of Intent: Not Required
Proposal Submission Due Date: December 4, 2017
Contacts: Henry Ahn, Biomedical (BM) Technologies and Educational Applications (EA), telephone: 703-292-7069, email:hahn@nsf.gov

- Peter Atherton, Information Technologies (IT), telephone: (703) 292-8772, email: patherto@nsf.gov
- Anna Brady-Estevez, Chemical and Environmental Technologies, telephone: (703) 292-7077, email: abrady@nsf.gov

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Grant Program: Small Business Technology Transfer Program Phase I (STTR)
Agency: National Science Foundation NSF 17-595
RFP Website: https://www.nsf.gov/pubs/2017/nsf17594/nsf17594.htm
Brief Description: The STTR program is Congressionally mandated and intended to support scientific excellence and technological innovation through the investment of federal research funds to build a strong national economy by stimulating technological innovation in the private sector; strengthening the role of small business in meeting federal research and development needs; increasing the commercial application of federally supported research results; and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The STTR program at NSF solicits proposals from the small business sector consistent with NSF's mission to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense.

The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011) and reauthorized by Public Law 114-328. STTR policy is provided by the Small Business Administration (SBA) through the STTR Policy Directive. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF SBIR/STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR/STTR legislation by transforming scientific discovery and innovation into both social and economic benefit, and by emphasizing private sector commercialization.
Because the program has no topical or procurement focus, the NSF offers very broad solicitation topics that are intended to permit as many eligible science- and technology-based small businesses as possible to compete for funding. The topics are detailed on the website. In many cases, the program is also open to proposals focusing on technical and market areas not explicitly noted in the aforementioned topics.
Awards: Fixed awards; **Anticipated Funding Amount:** $9,000,000
Letter of Intent: Not Required
Proposal Submission Due Date: December 04, 2017
Contacts: Henry Ahn, Biomedical (BM) Technologies and Educational Applications (EA), telephone: (703) 292-7069, email: hahn@nsf.gov

- Peter Atherton, Information Technologies (IT), telephone: (703) 292-8772, email:patherto@nsf.gov
- Anna Brady-Estevez, Chemical and Environmental Technologies, telephone: (703) 292-7077, email: abrady@nsf.gov

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Grant Program: Research Coordination Networks (RCN)
Agency: National Science Foundation NSF 17-594
RFP Website: https://www.nsf.gov/pubs/2017/nsf17594/nsf17594.htm
Brief Description: The goal of the RCN program is to advance a field or create new directions in research or education by supporting groups of investigators to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries. The RCN program provides opportunities to foster new collaborations, including international partnerships, and address interdisciplinary topics. Innovative ideas for implementing novel networking strategies, collaborative technologies, training, broadening participation, and development of community standards for data and meta-data are especially encouraged. RCN awards are not meant to support existing networks; nor are they meant to support the activities of established collaborations RCN awards also do not support primary

research. Rather, the RCN program supports the means by which investigators can share information and ideas, coordinate ongoing or planned research activities, foster synthesis and new collaborations, develop community standards, and in other ways advance science and education through communication and sharing of ideas. Additional information about the RCN program and its impacts may be found in Porter et al. 2012 Research Coordination Networks: Evidence of the relationship between funded interdisciplinary networking and scholarly impact. BioScience, 62: 282-288. Proposed networking activities directed to the RCN program should focus on a theme to give coherence to the collaboration, such as a broad research question or particular technologies or approaches.

Participating programs in the Directorates for Biological Sciences (BIO), Computer and Information Science and Engineering (CISE), Geosciences (GEO), Education and Human Resources (EHR), Engineering (ENG) and Social, Behavioral and Economic Sciences (SBE) will accept RCN proposals. PIs are encouraged (for CISE required) to discuss suitability of an RCN topic with a program officer that manages the appropriate program.

Several other NSF solicitations accept RCN proposals, or support research networking activities if appropriate to the solicitation. Please see section **IX. Other Information** of this solicitation for a listing of these programs. PIs are strongly advised to contact the appropriate Program Director before submitting an RCN proposal.

Awards: Standard Grant or Continuing Grant; **Anticipated Funding Amount:** $12,500,000

Letter of Intent: Not Required

Proposal Submission Due Date: Submission deadlines vary by program. RCN proposals should be submitted to a particular program according to the program's submission dates; PIs should consult program websites and contact cognizant program officers for guidance.

Contacts: Peter H. McCartney, telephone: (703) 292-8470, email: pmccartn@nsf.gov

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Grant Program: Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

Agency: National Science Foundation NSF 17-591

RFP Website: https://www.nsf.gov/pubs/2017/nsf17591/nsf17591.htm

Brief Description: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering and mathematics (STEM) discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. The initiative is developing a National Network composed of NSF INCLUDES Design and Development Launch Pilots, NSF INCLUDES Alliances, NSF-funded broadening participation projects, other relevant NSF-funded projects, scholars engaged in broadening participation research, and other organizations that support the development of talent from all sectors of society to build the STEM workforce.

To facilitate the Network's operation, the program is soliciting proposals for a **NSF INCLUDES Coordination Hub** that will drive and support the work of the NSF INCLUDES National Network over the life-cycle of the initiative by: (a) promoting the NSF INCLUDES guiding vision and strategy; (b) developing a collaborative infrastructure to support the activities of the various entities partnering in the NSF INCLUDES National Network; (c) fostering progress among Network partners toward shared models, measurement practices, and evaluation criteria; (d) communicating the discoveries of and generating enthusiasm for the NSF INCLUDES National Network; and (e) advancing the expansion and scale of the NSF INCLUDES National Network by connecting expertise from multiple sectors and other private and public funders.

The three critical functions of the NSF INCLUDES Coordination Hub are summarized below:

1. **Communication and Networking**: From the beginning the NSF INCLUDES Coordination Hub should direct efforts toward building the Network infrastructure by facilitating continuous communication and information updates, designing community activities, and fostering collaboration across all elements of the Network.
2. **Network Assistance and Reinforcement**: As NSF INCLUDES Alliances and other organizations join the NSF INCLUDES National Network, the NSF INCLUDES Coordination Hub should focus attention on assistance and reinforcement activities including technical assistance, conducting research, and facilitating shared measurement and data analysis across the Network.
3. **Visibility and Expansion**: The NSF INCLUDES Coordination Hub should provide resources for efforts to focus on expansion and sustainability within the National Network, increase NSF INCLUDES visibility and communicate impact, while also serving as a repository for funding opportunities, research and knowledge generated by the NSF INCLUDES National Network and stakeholders.

Awards: Cooperative Agreement; **Anticipated Funding Amount:** $10,500,000
Letter of Intent: Not Required
Limit on Number of Proposals per Organization: An organization may serve as the lead institution on only one NSF INCLUDES Coordination Hub proposal, although it may serve as a collaborating partner on other proposals.
Internal Pre-Proposal Review and Selection: Please send an email with a copy of the pre-proposal with project summary, collaborators, intellectual merit and broader impact sections to the Office of Research at dhawan@njit.edu by October 1, 2017 for internal review and selection.
Proposal Submission Due Date: November 27, 2017
Contacts: General inquiries may be addressed to:, telephone: (703) 292-7303, email: nsfincludes@nsf.gov

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Grant Program: Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)
Agency: National Science Foundation NSF 17-590
RFP Website: https://www.nsf.gov/pubs/2017/nsf17590/nsf17590.htm
Brief Description: The fields of science, technology, engineering, and mathematics (STEM) hold much promise as sectors of the economy where we can expect to see continuous vigorous growth in the coming decades. STEM job creation is expected to outpace non-STEM job creation significantly, according to the Commerce Department, reflecting the importance of STEM knowledge to the US economy.
The National Science Foundation (NSF) plays a leadership role in development and implementation of efforts to enhance and improve STEM education in the United States. Through the NSF *Improving Undergraduate STEM Education* (IUSE) initiative, the agency continues to make a substantial commitment to the highest caliber undergraduate STEM education through a Foundation-wide framework of investments. The IUSE: EHR program is a core NSF undergraduate STEM education program that seeks to improve the effectiveness of undergraduate STEM education for both majors and non-majors. The program is open to application from all institutions of higher education and associated organizations. NSF places high value on educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace. In pursuit of this goal, IUSE: EHR supports projects that have the potential to improve student learning in STEM through development of new curricular materials and methods of instruction,

and development of new assessment tools to measure student learning. In addition to innovative work at the frontier of STEM education, this program also encourages replications of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings.

IUSE: EHR also seeks to support projects that have high potential for broader societal impacts, including improved diversity of students and instructors participating in STEM education, professional development for instructors to ensure adoption of new and effective pedagogical techniques that meet the changing needs of students, and projects that promote institutional partnerships for collaborative research and development. IUSE: EHR especially welcomes proposals that will pair well with the efforts of NSF INCLUDES (https://www.nsf.gov/news/special_reports/nsfincludes/index.jsp) to develop STEM talent from all sectors and groups in our society. Collaborations are encouraged between IUSE proposals and existing INCLUDES projects, provided the collaboration strengthens both projects.

For all the above objectives, the National Science Foundation invests primarily in evidence-based and evidence-generating approaches to understand and improve STEM learning and learning environments, improve the diversity of STEM students and majors, and prepare STEM majors for the workforce. In addition to contributing to STEM education in the host institution(s), proposals should have the promise of adding more broadly to our understanding of effective teaching and learning practices.

The IUSE: EHR program recognizes and respects the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science scholars to advance our understanding of effective teaching and learning.

Toward these ends the program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and Design and (ii) Development and Implementation.

	Exploration and Design	*Development an Implementation*
Engaged Student Learning	Up to $300K, for up to 3 years	Level 1: Up to $600K, for up t 3 years Level 2: $601K-$2M, for up t 5 years
Institutional and Communit Transformation	Up to $300K, for up to 3 years	Up to $3M, for up to 5 years

Awards: Standard Grant; **Anticipated Funding Amount:** $73,000,000

Letter of Intent: Not Required

Proposal Submission Due Date:

December 12, 2017

Development and Implementation Tier for Engaged Student Learning & Institution and Community Transformation

December 11, 2018

Development and Implementation Tier for Engaged Student Learning & Institution and Community Transformation

Contacts: Myles G. Boylan, telephone: (703) 292-4617, email: mboylan@nsf.gov

- Ellen Carpenter, telephone: (703) 292-5104, email: elcarpen@nsf.gov

- Abiodun Ilumoka, telephone: (703) 292-2703, email: ailumoka@nsf.gov

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National Institutes of Health

Grant Program: NIDDK Partnerships with Professional Societies to Enhance Scientific Workforce Diversity and Promote Scientific Leadership (R25)
Agency: National Institutes of Health RFA-DK-17-015
RFP Website: https://grants.nih.gov/grants/guide/rfa-files/RFA-DK-17-015.html
Brief Description: The NIH Research Education Program (R25) supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs; (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications.
The over-arching goal of this NIDDK R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. In particular, this R25 program focuses on the role that professional societies can play in enhancing the research workforce. Ultimately, it is hoped that by fostering the diversity of the overall research workforce, the diversity of professional societies, including at the level of the committee and organizational leadership, will be enhanced as well.
To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on:

- ***Courses for Skills Development:*** For example, leadership courses for early and mid-career diverse faculty. Other courses may also include for example grant writing or lab management which may contribute to career success.
- ***Mentoring Activities:*** For example, dedicated efforts at providing not only technical expertise, but advice, insight, and professional career skills to diverse fellows and postdoctorates and/or early and mid-career faculty. The mentoring activities should be performed on an individual level and may also include network activities. Activities should address mentor, mentee, and mentor-mentee activities and provide leadership training.

Awards: Although the size of award may vary with the scope of the research education program application, the total direct costs are limited to $135,000 annually.
Letter of Intent: November 5, 2017
Deadline: December 5, 2017), by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.
Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Grant Program: Understanding and Modifying Temporal Dynamics of Coordinated Neural Activity (R21) and (R01)
Agency: National Institutes of Health
PAR-17-463, R21 **Exploratory/Developmental Grant**
PAR-17-466, R01 **Research Project Grant**
RFP Website: https://grants.nih.gov/grants/guide/pa-files/PAR-17-463.html

Brief Description: Cognition appears to emerge at the level of populations of neurons, with information represented and organized as action potentials and network events that are temporally coordinated across brain areas. For example, there have been notable advances in our basic understanding of the role of local field potential (LFP) oscillations and large-scale coordination of neural networks in learning and memory. In rodents, particular patterns of temporal dynamics have been shown to proportionally improve or worsen working memory, and particular LFP oscillatory bands predict episodic/relational learning. Theta phase precession is another well-known precise temporal code that might be required for optimal cognition, and the precise reactivation of neural activity during hippocampal sharp wave ripples is also a temporally coordinated representation that might be necessary for memory consolidation or decision making.

From a disease standpoint, electrophysiological aberrations exist in many brain disorders, and recent findings suggest that modulating electrophysiological patterns could potentially have therapeutic benefit. In schizophrenia, findings have suggested that systems-level electrophysiological endophenotypes are modifiable and that such modifications have the potential to improve cognition. In autism, the modest amounts of electrophysiological data that exist in patients and model organisms suggest that this disorder also has disruptions in temporal coordination of neural signals, and that electrophysiological patterns at the level of neural populations might represent an intermediate, modifiable phenotype. Furthermore, rationally-developed pharmacological interventions are being tested for autism spectrum disorders, whose effect on temporal dynamics of electrophysiological patterns might be instructive to examine, especially if the treatments are directed at the cognitive impairments that lead to significant functional deficits for some patients.

These basic and translational findings should be expanded to better understand the brain algorithms that implement learning, memory consolidation, attention, reasoning, affect regulation, and social interactions. The patterns of neural coordination can also be brought to bear on areas of translation such as pre-clinical target validation studies in animals or, in humans, as treatment effectiveness biomarkers or as stratification variables. Work in non-human primates is also highly encouraged, as it would provide a bridge between rodent and human work with regard to neuroanatomy and cognitive capabilities.

The underlying premise of this funding opportunity is that cognitive, affective, and social dysfunction may result in part from compromised systems-level electrophysiological patterns; that these patterns are necessary for normal brain function; and therefore, treatments whose goal is to improve these domains of function might be more effective if they improve the underlying aberrant electrophysiological patterns.

Awards: The combined budget for direct costs for the two year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

Letter of Intent: Not Required

Deadline: November 8. 2017, Standard dates apply , by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Grant Program: BRAIN Initiative: Tools to Facilitate High-Throughput Microconnectivity Analysis (R01)

Agency: National Institutes of Health RFA-MH-18-505

RFP Website: https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-18-505.html

Brief Description: This funding opportunity announcement (FOA) is designed to support development and validation of novel tools to facilitate the detailed analysis of brain microconnectivity. The primary goal is to provide techniques and resources for understanding and delineating the structure of complex circuits at the level of synaptic connections, alone or in combination with methods for identifying important cellular and circuit features, for example, for classifying or characterizing cellular or synaptic phenotypes. Understanding and delineating complex circuits will provide insight into important cellular interactions that underlie brain function and ultimately complex behaviors. Defining cellular and circuit-level function is dependent on detailed knowledge about the components and structure of the circuit. Such knowledge, in turn, is fundamental to understanding how these features underlie cognition and behavior, which should aid in the development of targeted cell-type and circuit-specific therapeutics to treat brain disorders. This initiative is focused on developing and optimizing tools and resources to characterize the cells and connections within neuronal circuits.

Recent advances in electron microscopy (EM) and alternative techniques for nanoscale imaging have enabled major gains in the rate and quality of morphological and connectivity analysis of neurons and their embedded circuits. Some of these gains have come from ongoing EM efforts outside of NIH, including the HHMI Janelia Farm FlyEM project, the IARPA MICrONS project, and major efforts from the Max Planck Institute in Germany. In addition, newer techniques such as expansion microscopy and array tomography, and emerging methods for barcode-based tagging of synaptic connections, have advanced to the point they may be considered for the purposes of mapping brain connectivity with synapse resolution.

Despite these ongoing projects and the progress they have made, addressing the dramatic scale of mapping circuits at the level of the trillions of synapses in the brain, and the scope of the analytic challenges for interpreting their connectivity, requires concerted technical development towards true high-throughput microconnectomics. The goal of this proposed effort is to produce the necessary tools, including novel or refined techniques and new datasets, to bring microconnectivity analysis into routine use for interrogating healthy and diseased brains, in model organisms and humans. More broadly, the intention is to put within reach the ultimate challenge of understanding the circuit level substrates of brain activity.

Development of novel tools that will delineate anatomical connections between cells and expand our knowledge of circuit architecture and function is an area well poised for additional investment. Several efforts are currently underway to study large-scale, long-range connections, such as the NIH Human Connectome Project, as well as large scale rodent connectional studies. This FOA solicits applications to develop next-generation, innovative technologies for the analysis of the microconnectome. Traditional EM studies have provided our best understanding to date of synaptic connections but breakthroughs in additional imaging modalities hold promise for alternative approaches that can be implemented to deliver high quality connectional information at high throughput.

Tools/technologies relevant for this initiative are expected to be transformative, either through the development of novel tools that may be high-risk or through major advances in current approaches that break through technical barriers and will significantly improve current capabilities. While an emphasis of the BRAIN initiative is the development of novel tools to study the brain, here we highlight the need for innovative approaches to bridge experimental scales. Studies that are able to explore molecular and cellular mechanisms of neural activity permitting improved precision and sensitivity in the analysis of micro-and macro-circuits are strongly encouraged. Plans for validating the utility of the tool/technology will be an essential feature of a successful application.

Awards: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Letter of Intent: 30 days prior to the application due date
Deadline: December 7, 2017 and November 13, 2018, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
No late applications will be accepted for the Funding Opportunity Announcement.
Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Department of Defense/US Army/DARPA/ONR

Grant Program: DoD Psychological Health/ Traumatic Brain Injury Research Program, Complex Traumatic Brain Injury Rehabilitation Research Clinical Research Award
Agency: Department of Defense Dept. of the Army -- USAMRAA
W81XWH-17-CTRR-CRA
Website: http://cdmrp.army.mil/funding/pa/FY17-PHTBI-CTRR-CTA.pdf
Brief Description: The PH/TBIRP and JPC-8/CRMRP seek innovative rehabilitation research that has the potential to make a significant impact on improving the health and well-being of military Service members, Veterans, and other individuals with TBI. The programs challenge the clinical and scientific communities to design innovative research that will foster new directions for, and address neglected issues in, the field of TBI rehabilitation research. Applications from investigators within the military Services, and applications involving multidisciplinary collaborations among academia, industry, the military Services, the U.S. Department of Veterans Affairs (VA), and other Federal Government agencies are highly encouraged.

The FY17/18 PH/TBIRP CTRR–CTA seeks research focused on potential interventions relevant to the mission of the JPC-8/CRMRP. To meet the intent of the award mechanism, applications must be responsive to one or both of the following two FY17/18 PH/TBIRP CTRR–CTA Focus Areas:
1. Cognitive Rehabilitation: Cognitive rehabilitation-focused clinical trials should generate new knowledge to confirm whether novel or standard-of-care rehabilitation interventions are effective in remediating cognitive impairments (e.g., memory, processing speed, executive functioning) and functional limitations after TBI. Applications specifically addressing barriers to participation in Service members with TBI are strongly encouraged.
2. Vestibular Rehabilitation and Mechanisms of Recovery: Vestibular rehabilitationfocused clinical trials should generate new knowledge to remediate symptoms (e.g., dizziness, vertigo, motion intolerance), impairments (e.g., gaze, postural and dynamic instability), functional limitations, and barriers to participation (e.g., readiness to return to duty) associated with post-traumatic dizziness and/or vestibular pathology in patients with TBI. Applications should include a plan to collect data across a broad range of functional outcomes including standard-of-care DoD outcome measures. Applications are encouraged to include one or more aims that objectively characterize neurologic mechanisms of recovery associated with novel and/or standard-of-care vestibular rehabilitation interventions; include data obtained in a sample of active duty military personnel, and advance understanding of rehabilitation prescription (to include frequency, intensity, time, and type of therapeutic exercise).
Awards: The anticipated total costs budgeted for the entire period of performance for an FY17/18 PH/TBIRP CTRR–CTA will not exceed $2.5 Million (M) for awards responding to the

Vestibular Rehabilitation and Mechanisms of Recovery Focus Area or $4.0M for awards responding to the Cognitive Rehabilitation Focus Area.

Proposal Deadline:

Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), October 11, 2017

• Invitation to Submit an Application: November 10, 2017

• Application Submission Deadline: 11:59 p.m. ET, December 27, 2017

Contact Information: CDMRP Help Desk: 301-682-5507 Email: help@eBRAP.org

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Grant Program: Young Faculty Award (YFA)

Agency: Department of Defense DARPA DARPA-RA-17-01

Website: https://www.darpa.mil/news-events/2017-09-07

Brief Description: The YFA program aims to identify and engage rising stars in junior faculty positions in academia as well as equivalent positions at non-profit research institutions and expose them to national security challenges and needs. The 2018 solicitation will provide high-impact funding to elite researchers early in their careers to develop innovative research directions that enable transformative Department of Defense (DoD) capabilities. The long-term goal of YFA is to develop the next generation of scientists and engineers who will focus a significant portion of their future careers on DoD and national security issues.

Eligibility: Participation in the YFA program is limited to any current tenure-track Assistant or Associate Professors and to tenured Assistant or Associate Professors within three (3) years of their tenure appointment at a U.S. institution of higher education or equivalent at a U.S. non-profit science and technology research institutions. Proposals are not being sought from foreign organizations. Previous YFA recipients are not eligible to apply to this or any future YFA program.

Focus Areas: The 26 YFA topic areas for 2018 are listed below. For detailed descriptions of teach topic see Para. I. E., "Topic Areas (TAs)" on P. 6 of the YFA Research Announcement (DARPA-RA-17-01) available here: https://go.usa.gov/xRFCZ

1. Designing Ungameably Complex Games
2. Topological Photonics
3. Artificial Intelligence for Materials Discovery
4. Transformative Radiation Sensing
5. Engineered Interactions with the Energy of the Vacuum
6. Novel Methods for Nonsurgical Brain Interfaces
7. Self-forming Chronic Central Nervous System (CNS) Neural Interfaces
8. The Minimal Plant: Engineering Plants for Easy Biosynthetic Pathway Design with High Modularity
9. Antifouling Solutions for Large, Nonplanar Optical Surfaces
10. Replicating Cell-Cell Information Transfer
11. Programmable DNA Repair for Improved Genome Editing Outcomes
12. Efficient Integrated Nanophotonics
13. Adversarial Artificial Intelligence (AI)
14. Developing Intelligent Sensors for Fentanyl and Related Toxins
15. High Quality Atomic Traps and Waveguides
16. Wideband Efficiency in Millimeter Wave Power Amplifiers
17. Materials and Actuator Innovation for Small Scale Mobility and Manipulation
18. Reducing Software Attack Surface through Compiler-Rewriter Cooperation
19. Computational Models of the Spread of False or Misleading Information

20. Big Data Summarization
21. Decentralized Control of Networked Unmanned Autonomous Systems
22. REsilience through COmposable Logistics (RECOiL)
23. Wide Area Sensing Using the Internet of Things
24. Tactical Terrain Analysis
25. Thermostructural Sensitivity to Uncertainties
26. Swarm Intent Understanding

Awards: The Research Announcement (RA) solicitation seeks grant proposals for research activity consisting of a 24-month base period. Each 12-month interval of the base period should not exceed $250,000. Proposals should also include a 12-month option period with a maximum funding level of $500,000. The 12-month option period, referred to as the "Director's Fellowship," will be reserved for a limited number of awardees who demonstrate exceptional YFA project performance over the 24-month base period. A target start date of July 2018 may be assumed for planning purposes.

Proposal Deadline: Executive summaries are due Oct. 2, 2017, at 4 p.m. Eastern Time, and full proposals are due Dec. 4, 2017, at 4 p.m. Eastern Time..

Contact Information: For all submission details, including eligibility, please refer to the RA here: https://go.usa.gov/xRFCZ

Grant Program: DoD Orthotics and Prosthetics Outcomes Research Award
Agency: Department of Defense Dept. of the Army -- USAMRAA
W81XWH-17-OPORP-OPORA

Website: https://www.scholarshipandgrants.com/business-grants/dod-orthotics-and-prosthetics-outcomes-research-award/

Brief Description: The FY17 OPORP Orthotics and Prosthetics Outcomes Research Award (OPORA) challenges the scientific community to address which orthotic and prosthetic devices generate the best patient outcomes. Outcomes focused research is used to support evidence-based practice which guides providers in the optimization of care to Service members and Veterans with limb loss and/or limb impairment. It is expected that any research findings will also provide benefit to the general population. Applications involving multidisciplinary collaborations among academia, industry, the military Services, the Department of Veterans Affairs (VA), and other Federal Government agencies are highly encouraged. The FY17 OPORP OPORA is intended to support research that evaluates the comparative effectiveness of orthotic and prosthetic devices using patient-centric outcomes for Service members and Veterans who have undergone limb amputation. The FY17 OPORP OPORA is focused on outcomes-based best practices through analysis of the merits of prosthetic and orthotic device options currently available, not on the development of new, or the improvement of existing, technology. The intent of the award is to generate clinically useful evidence that will enhance and optimize patient outcomes. The FY17 OPORP OPORA offers funding for two Funding Levels. The following are generalized descriptions of the scope of research appropriate for each Funding Level: Funding Level 1/New Investigator: This level is for new investigators only, and may support pilot research without preliminary data or research that is already supported by preliminary data and has the potential to make significant advancements toward clinical translation. Specific eligibility details are provided in Section II.C, Eligibility Information. Funding Level 2: Research that is supported by preliminary data and has the potential to make significant advancements toward clinical translation.

Awards: Standard Grants; Available Funding: $10,000,000

Proposal Deadline: January 18, 2018
Contact Information: CDMRP Help Desk: 301-682-5507 Email: help@eBRAP.org

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Grant Program: Breast Cancer Research Program Innovator Award
Agency: Department of Defense Congressionally Directed Medical Research Programs
W81XWH-17-BCRP-INNOV2
Website: http://cdmrp.army.mil/funding/pa/FY17-BCRP-IA.pdf
Brief Description: The BCRP has prepared a brief overview, The Breast Cancer Landscape, that describes what is currently known about the most pertinent topics that are consistent with the BCRP's vision of ending breast cancer. Applicants are strongly urged to read and consider The Breast Cancer Landscape before preparing their applications. The Landscape may be found at http://cdmrp.army.mil/bcrp/pdfs/bc_landscape.pdf

The Innovator Award supports visionary individuals who have demonstrated exceptional creativity, innovative work, and paradigm-shifting leadership in any field including, but not limited to, breast cancer. The Innovator Award will provide these individuals with the funding and freedom to pursue their most novel, visionary, high-risk ideas that could accelerate progress to ending breast cancer. Because the intent of the Innovator Award mechanism is to recognize these remarkably creative and innovative visionary individuals, rather than projects, the central feature of the award is the innovative contribution that the Principal Investigator (PI) can make toward ending breast cancer. The PI should have a record of challenging the status quo, shifting paradigms by changing a field of research or approach to patient care, exhibiting high levels of creativity, and demonstrating promise for continued innovation in future work. These rare individuals will be able to articulate a vision for ending breast cancer that challenges current dogma and demonstrates an ability to look beyond tradition and convention. The PI is also expected to be established in his/her field and have demonstrated success at forming and leading effective partnerships and collaborations. To further the development of innovative individuals and spark the generation of novel ideas, applications are required to incorporate the mentoring of promising junior investigators. Experience in breast cancer research is not required; however, the application must focus on breast cancer, and the PI must maintain a 50% dedication of his/her full-time professional effort during the award period to breast cancer research. This professional effort in breast cancer research can be through a combination of this award and other current support. Individuals from other disciplines who will apply novel concepts to breast cancer are encouraged to submit. The PI is expected to assemble a research team that will provide the necessary expertise and collaborative efforts toward accomplishing the research goals. The PI's research team must include two or more breast cancer consumer advocates. As lay representatives, the consumer advocates must be individuals who have been diagnosed with breast cancer and are actively involved in a breast cancer advocacy organization. Their role should be independent of their employment, and they cannot be employees of any of the organizations participating in the application. The consumer advocates should have a high level of knowledge of current breast cancer issues and the necessary background or training in breast cancer research to contribute to the project. Their role should be focused on providing objective input on the research and its potential impact for individuals with, or at risk for, breast cancer.
Awards: Standard Grants
Proposal Deadline:
Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), September 29, 2017
Invitation to Submit an Application: November 1, 2017
Application Submission Deadline: 11:59 p.m. ET, December 21, 2017

Confidential Letters of Recommendation Submission Deadline: 5:00 p.m. ET, December 27, 2017
Contact Information: CDMRP Help Desk: 301-682-5507 Email: help@eBRAP.org

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Department of Energy

Grant Program: RFI: Solar Energy Technology Analysis & Data Needs
Agency: Department of Energy DE-FOA-0001818
Website: https://eere-exchange.energy.gov/#FoaId2f31dbc5-6e1c-469a-a85b-dd174b90e0c2
Brief Description: The Solar Energy Technologies Office (SETO), in the Office of Energy Efficiency and Renewable Energy (EERE) of the U.S. Department of Energy (DOE), is requesting input on integrated data and analysis needs across the solar value chain to inform near to mid-term plans for the development of information based network planning, real time optimization, and bankability tools in the context of the SunShot 2030 goals. SETO aims to better understand the information-related problems and questions that exist for key stakeholders, including manufacturers, project developers, financiers, engineering procurement and construction businesses, state and local jurisdictions, researchers, analysts, and others supporting the technological advancement and wide scale adoption of solar technology.
RFI: Responses to this RFI must be submitted electronically to solaranalysis@ee.doe.gov no later than 5:00pm (ET) on October 6, 2017. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Messages that are over 25MB, even after compression, will not be delivered. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.
Deadline: October 06, 2017
Contact Information: EERE-ExchangeSupport@Hq.Doe.Gov

Grant Program: Advanced Power Electronics Design for Solar Applications
Agency: Department of Energy DE-FOA-0001740
Website: https://eere-exchange.energy.gov/Default.aspx#FoaId53bdf98a-0c8e-4bc1-9a5c-81810df79f69
Brief Description: This Funding Opportunity Announcement (FOA) will fund research that can enable significant reductions in the lifetime costs of power electronics (PE) for solar photovoltaic (PV) energy that align with meeting the SunShot 2030 goals, and likewise enable versatile control functionalities to support grid integration of solar PV for enhanced grid services. Power electronics technology is fundamental for renewable energy systems, and especially for solar PV as the critical link between solar PV arrays and the electric grid.
In comparison to the state of the art, the SunShot Initiative seeks to fund early-stage solar PE research projects to enable the following objectives:
1) Lower the lifetime cost of residential, commercial, and utility-scale solar PV inverter/converter solutions;
2) Develop innovative modular, multi-purpose solar PV power electronics designs that offer enhanced services for improved lifetime value and lower grid integration costs.
The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined

submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators will assist the Applicant in resolving all issues. Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or EERE eXCHANGE System Administrators will assist the Applicant in resolving all issues (including finalizing the submission on behalf of and with the Applicant's concurrence). DOE will only accept late applications when theApplicant has a) encountered technical difficulties beyond their control; b) has contacted the helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

An Informational Webinar will be held on Thursday, September 21st. To register for the webinar, please follow this link: https://doe.webex.com/doe/j.php?MTID=mee0e52f24b9aca5193609c1f50b05714

Award: Up to $500,000; Available Funding: $24,000,000.

Letter of Intent: Concept Paper Submission Deadline: 10/12/2017 5:00 PM ET

Proposal Deadline: Full Application Submission Deadline: 12/15/2017 5:00 PM ET

Contact Information: EERE-ExchangeSupport@Hq.Doe.Gov

Grant Program: High-Energy-Density Laboratory Plasma Science

Agency: Department of Energy DE-FOA-0001801

Website: https://science.energy.gov/~/media/grants/pdf/foas/2017/SC_FOA_0001801.pdf

Brief Description: The Fusion Energy Sciences (FES) program of the Office of Science (SC) and the Defense

Program (DP) of the National Nuclear Security Administration (NNSA), both of the U.S. Department of Energy (DOE), jointly announce their interests in receiving grant applications for new awards and grant renewals for research in the SC-NNSA Joint Program in High-Energy Density (HED) laboratory plasmas. All individuals or groups planning to submit applications for new or renewal funding in Fiscal Year 2018 should submit in response to this Funding Opportunity Announcement (FOA). The specific areas of interest are:

1. HED Hydrodynamics
2. Radiation-Dominated Dynamics and Material Properties
3. Magnetized HED Plasma Physics
4. Nonlinear Optics of Plasmas and Laser-Plasma Interactions
5. Relativistic HED Plasmas and Intense Beam Physics
6. Warm Dense Matter
7. High-Z, Multiply Ionized HED Atomic Physics
8. Diagnostics for HED Laboratory Plasmas.

Award: Up to $500,000; Available Funding: $24,000,000.

Letter of Intent: Required; Deadline: October 1, 2017

Proposal Deadline: November 15, 2017

Contact Information: Dr. Kramer U. Akli, Office of Science 301-903-2943; Kramer.Akli@science.doe.gov

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Grant Program: Fossil Fuel Large-Scale Pilots
Agency: Department of Energy DE-FOA-0001788
Website:
https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx
Brief Description: This FOA seeks applications for projects to design, construct, and operate large-scale pilots of transformational coal technologies aimed at enabling step change improvements in coal powered system performance, efficiency, and cost of electricity. The FOA will be carried out in three phases, with a down-select between phases. Phase I, Feasibility, will be aimed at supporting recipients' efforts to secure team commitments, including host sites and recipient cost share for Phase II, update the preliminary cost estimate and schedule for design, construction, and operation, and complete an environmental information volume. Projects selected for Phase II, Design, will complete a Front End Engineering Design study, secure construction-operation cost share funding, and complete the National Environmental Policy Act process. Finally, at least two projects will be selected for Phase III, Construction-Operation, which will support construction and operation of the large-scale pilot facilities. Any recipients proceeding to Phase III will be required to utilize domestic coal and/or domestic coal-derived fuels in the operation period. Applicants to Phase I who plan to primarily use other fuel sources during operations will be judged non-responsive. While only detailed Phase I applications are being solicited at this time, information relating to preliminary plans to carry out Phases II and III will be required to assess the potential viability of the overall project.
Award: EERE expects to make approximately $2,500,000 of Federal funding available for new awards under this FOA, subject to the availability of appropriated funds. EERE anticipates making approximately 1-2 awards under this FOA. EERE may issue one, multiple, or no awards. Individual awards may vary between $1,250,000 and $2,500,000.
Proposal Deadline: October 19, 2017
Contact Information: Raelynn Honkus Raelynn.Honkus@netl.doe.gov

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NASA

Grant Program: Use of the NASA Physical Sciences Informatics System - Appendix D
Agency: NASA NNH17ZTT001N-17PSI-D
Website:
https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=a3086df0e6b38ec720476107b522fd90
Brief Description: This National Aeronautics and Space Administration (NASA) Research Announcement (NRA) solicits ground-based research proposals from established researchers and graduate students to generate new scientific insights by utilizing experimental data residing in NASA's Physical Sciences Informatics (PSI) system (http://psi.nasa.gov), an online database of completed physical science reduced-gravity flight experiments conducted on the International Space Station (ISS), Space Shuttle flights, and Free-flyers, or from related ground-based studies. The solicitation (NNH17ZTT001N-17PSI-D), entitled "Use of the NASA Physical Sciences

Informatics System - Appendix D," will be available on or about September 15, 2017. Upon release, the solicitation will be found via the following steps: 1. Open the NSPIRES homepage at http://nspires.nasaprs.com/ 2. Select "Solicitations" 3. Select "Open Solicitations" 4. Select "Use of the NASA Physical Sciences Informatics System NNH17ZTT001N" 5. Select List of Open Program Elements 6. Select "Use of the NASA Physical Sciences Informatics System - Appendix D" 7. Select "Appendix D NNH17ZTT001N-17PSI-D" under Announcement Documents. NASA plans to host a proposers' conference via WebEx shortly after the release of the Appendix to provide more information and to answer questions about the NRA and the PSI system. NASA's Physical Sciences Research Program conducts fundamental and applied physical sciences research, with the objective of enabling exploration and pioneering scientific discovery. NASA's experiments in the various disciplines of physical science reveal how physical systems respond to the near absence of gravity. They also reveal how other phenomena which have a small influence on physical systems in earth's gravity, can dominate system behavior in space. The PSI system (http://psi.nasa.gov) is an online, publicly accessible database of completed physical science reduced-gravity flight experiments conducted on the ISS, Space Shuttle flights, or Free Flyers and related ground-based studies. It is a tool designed for researchers to data mine information from reduced-gravity physical sciences experiments and use it to further science in accordance with the open science approach, while also meeting the requirements of the nation's Open Data Policy. This NRA solicits ground-based research proposals that present a compelling case on how the experimental data from the PSI system will be used to promote the advancement of further research. Proposers must show a clear path from the scientific data obtained from the PSI system to the proposed investigation. In addition, the project must address an important problem in the proposed area of research and advance scientific knowledge or technology. This NRA will remain open for five years. There will be annual call for proposals through a series of appendices which are planned to be released yearly. In general, the NRA solicits research in the following six research areas: 1) Biophysics, 2) Combustion Science, 3) Complex Fluids, 4) Fluid Physics, 5) Fundamental Physics, and 6) Materials Science. This announcement includes Appendix D, which will solicit proposals in several research areas identified above. See the full Appendix D for the list of the research areas solicited and eligible PSI investigations. Proposals for Appendix D are due on or about December 15, 2017. This solicitation is applicable to researchers in all categories of U.S. and non-U.S. organizations, including educational institutions, industry, nonprofit organizations, NASA Centers and other U.S. Government agencies. This NRA is soliciting proposals from two types of investigators: 1) established researchers, including postdoctoral scholars; 2) graduate students (with academic advisors) from accredited U.S. postsecondary institutions and programs. Proposals from graduate students must be submitted by their advisor. Principal Investigators (PIs) may collaborate with investigators from universities, Federal Government laboratories, the private sector, state and local government laboratories, and other countries. Proposals including international participation are eligible, provided NASA policies regarding the conduct of research with non-U.S. organizations are met. Proposals must be submitted by an authorized official of the proposing organization. Proposals must be submitted electronically. Proposers may use either NSPIRES (http://nspires.nasaprs.com/) or Grants.gov (http://www.grants.gov) for proposal submission. Every organization that intends to submit a proposal in response to this NRA must be registered with NSPIRES, and such registration must identify the authorized organization representative(s) who will submit the electronic proposal. Instructions on how to register in NSPIRES are provided in the NRA. Each electronic proposal system places requirements on the registration of principal investigators and other participants (e.g., co-investigators). Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) to familiarize themselves with its structure and enter the requested

information. Questions with regard to responding to this NRA may be addressed to the contacts referenced in the full solicitation document. This is a broad agency announcement as specified in FAR 6.102 (d)(2). Notwithstanding the posting of this opportunity at FedBizOpps.gov, nspires.nasaprs.com, or Grants.gov, NASA reserves the right to determine the appropriate award instrument for each proposal selected pursuant to this announcement.
Awards: TBA
Response Deadline: December 15, 2017
Contact: Dr. Francis Chiaramonte,
Program Scientist for Physical Sciences
francis.p.chiaramonte@nasa.gov
Phone: 202-358-0693

National Endowment of Humanities

Grant Program: Summer Awards
Agency: National Endowment of Humanities
Website: https://www.neh.gov/grants/research/summer-stipends
Brief Description: Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Eligible projects usually result in articles, monographs, books, digital materials and publications, archaeological site reports, translations, or editions. Projects must not result solely in the collection of data; instead they must also incorporate analysis and interpretation.

Summer Stipends support continuous full-time work on a humanities project for a period of two consecutive months. Summer Stipends support projects at any stage of development.
Awards: $6,000 stipend.
Proposal Deadline: September 27, 2017 *for Projects Beginning May 2018*
Contact: Contact NEH's Division of Research Programs at 202-606-8200 or stipends@neh.gov

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Spencer Foundation

Grant Program: Small Research Grants Program
Agency: Spencer Foundation
Website: http://www.spencer.org/small-research-grants-program-statement
Brief Description: The Small Research Grants program is intended to support education research projects with budgets of $50,000 or less. In keeping with the Spencer Foundation's mission, this program aims to fund academic work that will contribute to the improvement of education, broadly conceived.
Historically, the work we have funded through these grants has spanned, a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and they employ a wide range of research methods. The following examples of recently funded small grants illustrate the diversity of what we support:

- an experimental study of how college students use visual representations in solving math problems
- a study exploring the process of racial and rural identity formation among African American high-school students who attend de facto segregated schools in the rural South

- a mixed-methods study focusing on the different types of knowledge novice and experienced teachers draw on in teaching for reading comprehension

Awards: Up to $50,000
Proposal Deadline: November 1, 2017
Contact: For more information, please also contact Eric Blitz, Associate Director for Development Corporate and Foundation Relations, eric.blitz@njit.edu

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Bright Focus Foundation

Grant Program: Research Grants and Fellowships
Agency: Bright Focus Foundation
Website: https://www.brightfocus.org/grants/types-grants
Brief Description:
Alzheimer's Disease Research Program: The ADR program offers two types of awards:

Standard Awards
The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but are often required to demonstrate additional, significant progress before they can apply to governmental or industrial funding agencies.

- Award Amount: $300,000
- Duration: 3 years

Postdoctoral Fellowship Awards
Postdoctoral fellowship awards are intended for young researchers in their final stages of mentored training. These awards fund projects in an established laboratory that will serve as the basis for the applicant's own independent research career.

- Award Amount: $150,000
- Duration: 2 years

Macular Degeneration Research Program

Standard Awards
The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but are often required to demonstrate additional, significant progress before they can apply to governmental or industrial funding agencies.

- Maximum award value: $160,000
- Maximum duration: 2 years

National Glaucoma Research Program

Standard Awards
The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but are often required to demonstrate additional, significant progress before they can apply to governmental or industrial funding agencies.

- Award Amount: $150,000
- Maximum Duration: 2 years

Proposal Deadline:
Application deadlines for BrightFocus research grants vary by program. You can sign up to receive notifications of new request for proposal (RFP) announcements and application deadlines.

Deadline: Alzheimer's Disease Research Grants
Due date: October 18, 2017
Due to the large volume of proposals received, we no longer accept proposals that are mailed or emailed to the foundation. You must apply online.
Deadline: Macular Degeneration Research Grants

- Letter of Intent FY18: Due July 11, 2017
- Full applications FY18 (by invitation only): Due November 1, 2017

Note: All deadlines are 11:59 p.m. EST (Washington, D.C.) on the day of the deadline.
Contact: For more information, please also contact Eric Blitz, Associate Director for Development Corporate and Foundation Relations, eric.blitz@njit.edu
If you are considering a research opportunity that falls outside of the mechanisms listed below, BrightFocus invites you to schedule a time to discuss your ideas with the Scientific Affairs staff

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Whitehall Foundation

Grant Program: Whitehall Foundation Research Grants in Neurobiology
Agency: Whitehall Foundation
Website: http://www.whitehall.org/about/
Brief Description: The Whitehall Foundation, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the Foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. In order to respond to the changing environment, the Whitehall Foundation periodically reassesses the need for financial support by the various fields of biological research.

The Foundation emphasizes the support of young scientists at the beginning of their careers and productive senior scientists who wish to move into new fields of interest. Consideration is given, however, to applicants of all ages. The chief criteria for support are the quality and creativity of the research as well as the commitment of the Principal Investigator (a minimum time allocation of 20% is required). The principal investigator *must hold* no less than the position of assistant professor, or the equivalent, in order to participate in the application process. The applicant need not be in a tenure track position but must be an independent researcher and have Principal Investigator status at his/her institution, usually construed as having lab space independent of another Principal Investigator.

The Foundation does not award funds to investigators who have substantial existing or potential support, even if it is for an unrelated purpose. Applications may be held in abeyance until the results of other funding decisions are determined. While it is difficult to assign a specific dollar amount to this policy and each case is unique, the Foundation currently defines "substantial" as *approximately* $200,000 per year (including both direct and indirect expense but excluding the Principal Investigator's salary).

The Foundation is currently interested in basic research in neurobiology, defined as follows: *Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.*

The Foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

Awards: Research grants normally range from $30,000 to $75,000 per year.
The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant's continued productivity. Grants-in-Aid are awarded for a one-year period and do not exceed $30,000.
Application Process: http://www.whitehall.org/applying/
Proposal Deadline:

	Summer Session	**Fall Session**	**Spring Session**
Letter of Intent deadline	January 15	April 15	October 1
Issuance of Application materials	April 1	July 1	December 15
Application deadline	June 1	September 1	February 15
Notification of Grant awards	August 15	December 1	May 15

Contact: For more information, please also contact Eric Blitz, Associate Director for Development Corporate and Foundation Relations, eric.blitz@njit.edu

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American Association for Cancer Research

Grant Program: AACR NextGen Grants for Transformative Cancer Research
Agency: American Association for Cancer Research
Website: http://www.aacr.org/Funding/Pages/Funding-Detail.aspx?ItemID=48#.Waye8xPyv-a
Brief Description: The AACR NextGen Grants for Transformative Cancer Research represent the AACR's flagship funding initiative to stimulate highly innovative research from young investigators. This grant mechanism is intended to promote and support creative, paradigm-shifting cancer research that may not be funded through conventional channels. It is expected that these grants will catalyze significant scientific discoveries and help talented young investigators gain scientific independence.

The proposed research must represent a highly innovative approach to a major contemporary challenge in cancer research. The funded projects must have the potential to lead to groundbreaking discoveries in the field, and transform our understanding of the tumorigenesis process and/or our ability to treat, detect, or prevent cancer. The research can be in any area of basic, translational, or clinical science.

The grants provide $450,000 over three years for expenses related to the research project, which may include salary and benefits of the grant recipient, postdoctoral or clinical research fellows, graduate students (including tuition costs), and research assistants, research/laboratory supplies, equipment, travel applicable to the research project, publication charges for manuscripts that pertain directly to the funded project, other research expenses, and indirect costs.
Awards: $450,000 for 3 years; 3 awards
Letter of Intent: Required; Deadline: September 22, 2017
Proposal Deadline: January 8, 2018

Contact: For more information, please also contact Eric Blitz, Associate Director for Development Corporate and Foundation Relations, eric.blitz@njit.edu

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Streamlyne Update

It has been very exciting to introduce Streamlyne as the new tool for Grant Management. Streamlyne is simplifying the pre-award proposal submission processes promoting shared information technology (IT), and improving the timeliness of grant close out.

FY 17 was a clear testimony of what the NJIT community can achieve working as a team. In FY17, 515 proposals were submitted to external funding agencies. Since the pilot phase rolled out in October 2017, 315 proposals were submitted through Streamlyne. Although there were some issues at the beginning with the System to System (S2S) submissions, today we are able to submit 99% S2S with no errors due to system. Currently we have customized the system in the following areas:

- Able to download the package with all forms – there are still some exceptions to this as the federal government continues to change some of the standard forms.
- Validation error prior to submission – this allows to review the package for errors
- Work Flow approval transparent to all users
- Budget forms customized to NSF and/or S2S
- Sub-award budgets easily download – this will allow better management of the award

New "How to Do" videos have been posted on the research website http://www5.njit.edu/research/streamlyne/. These videos show step-by-step process on the following tasks:

- How to Begin Proposal Submission in Streamlyne
- How to Input Proposal Budget
- How to Process Approvals
- How to Upload Proposal Attachments

The following videos are being posted on the website:

- How to search for a proposal that is in route
- Difference in between "Prime Sponsor Code" and "Sponsor Code"
- How to select an RR Budget, RR Sub-award or Modular Budget
- How to add a student/summary
- Participant support categories
- Supplies specific category materials
- How to create a Modular Budget

In addition, most Frequently Asked Question (FAQs) from PIs are posted with answers on the same website as Streamlyne FAQs

Faculty and staff having any questions on proposal submission, may contact their college representatives, and also follow up with **Justin Samolewicz, Associate Director (Pre Award)** 973-596-3145; justin.m.samolewicz@njit.edu; and **Eric Hetherington,** Director, Sponsored Research Programs Administration 973-596-3631; eric.d.hetherington@njit.edu. The college representatives to help PIs on proposal submissions are

John McCarthy, NCE Director of Research
(973) 596-3247; john.p.mccarthy@njit.edu
Cristo Leon, CSLA Director of Research
(973) 596-6426; cristo.e.yanezleon@njit.edu
Nancy Henderson, CCS Project Manager
973-596-5687; nancy.henderson@njit.edu
Iris Pantoja, CoAD and SOM Project Manager
973-596-4483; irp3@njit.edu
