Grant Opportunity Alerts: Issue: ORD-GOA-2014-06

Special Webinar on NIH Grant Funding Mechanisms:

Webinars: What You Need to Know About NIH Application Submission and Review
Notice Number: NOT-OD-15-002
Format and Topics:

Webinars Will Each Focus on a Different Type of NIH Grant Application

Webinar Focus	Date
Academic Research Enhancement Awards (R15)	November 4, 2014
Fellowship Awards	November 5, 2014
Small Business Grants (SBIR/STTR)	November 7, 2014
Research Project Grants (R01)	November 10, 2014

All of the Webinars will run from 2:00 to 4:00 p.m. EST, including a 30 minute Q&A period.
Information on Website: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-002.html
Brief Summary: The NIH Center for Scientific Review (CSR) will host four Meet the Experts in NIH Peer Review Webinars in early November 2014 to give new NIH grant applicants and others useful insights into the submission and peer review processes. CSR is the portal for NIH grant applications and their review for scientific and technical merit.

Here is a brief list of recent grant opportunities that may of interest to NJIT faculty.

Keywords and Areas Included:
DoD/ Air Force Defense Research Sciences Program: Human Performance
DoD/ONR: University Research Instrumentation Program; STEM Workforce Program
NSF: STEM Programs
NIH: Neuroscience Center: P30
CIMIT: Point-of-Care Technologies in Primary Care

Department of Defense:

Grant Program: Air Force Defense Research Sciences Program
HUMAN PERFORMANCE SENSING
Agency: DoD: Air Force Research Lab: BAA-RQKHB-2015-0003

RFP Website:
https://www.fbo.gov/index?s=opportunity&mode=form&id=6dccb53be3d0794eb70559b25ea9d074&tab=core&_cview=1

Brief Description: This BAA employs the Sense-Assess-Augment paradigm to accelerate research and development of technologies capable of detecting/assessing human performance. This BAA focuses on identifying, developing, characterizing, and accelerating sensing technologies that can be utilized to assess the physiological, cognitive, and psychological states of human operators. It is also anticipated that these technologies will be implemented into fieldable systems. Research will have an emphasis on developing technologies capable of detecting & sensing physiological, biomarker, and behavioral metrics which are or can be correlated with human state/performance. An emphasis will also be placed upon the development, integration, miniaturization, initial operational test and evaluation, and verification and validation of human-centric multi-sensor suite designs. Research focusing on the manufacturing of nano-biomaterial sensors are of particular interest. Research may also focus on developing and implementing empirically-based models, frameworks, and novel evaluation capabilities, to identify assessment linkages to performance. Initial testing & evaluation and verification and validation of the developed technologies is vital to ensure appropriate and proper performance in laboratory and operational-type settings. Relevant USAF application domains include Air, Special Operations, Intelligence, Surveillance, and Reconnaissance, Remotely Piloted Aircraft, and Cyber Operations, as well as training applications as afforded by Live, Virtual, and Constructive (LVC) environments.
Awards: $150,000 to $2,000,000
Letter of Intent: Not required
Closing Date: October 29, 2018

Grant Program: Science, Technology, Engineering & Mathematics Education, Outreach, and Workforce Program (STEM)
Agency: DOD-ONR; BAA: ONR-15-FOA-0002
RFP Website: http://www.onr.navy.mil/~/media/Files/Funding-Announcements/BAA/2015/15-0002-STEM.ashx
Brief Description: The ONR seeks proposals for developing innovative solutions that directly support the development and maintenance of a robust STEM workforce. The goal of any proposed effort should be to provide "game changing" solutions that will establish and maintain a diverse pipeline of U.S. citizens who are interested in uniformed or civilian DoN (or Navy and Marine Corps) STEM related workforce opportunities. While this announcement is relevant for any stage of the STEM pipeline, for FY15, funding efforts will be targeted primarily towards High School, Post-Secondary education, and outreach designed to enhance the DoN (or Naval) STEM workforce and its mission readiness. Emphasis will be given both to key engineering and scientific areas outlined in the Naval S&T Strategic Plan such as our National Naval Responsibilities (see ONR website), and to identified STEM

related workforce gaps and new strategic goals on the uniformed and civilian side. The FULL ANNOUNCEMENT is available on the Grants.gov website.
Funding Instrument: Standard Grant
Due Date: This announcement will remain open until 30 September, 2015 or until replaced by a successor FOA or BAA, whichever first occurs. It is expected that white paper pre-proposals will be accepted through 28 February, 2015, unless the program schedule is altered by budgetary irregularities or available funding is exhausted. Proposals are considered as they arrive and successful applications are funded on a rolling basis. Therefore, Offerors are encouraged to submit early in the cycle as there is no guarantee of available program funding. Full proposals must be considered under the same FOA as submitted white papers, and therefore, invited full proposals based on white papers submitted by 30 April, 2015 may be accepted until the close of this announcement.

Grant Program: DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM (DURIP) FISCAL YEAR 2015
Agency: DoD, BAA: PA-AFOSR-2014-0001

RFP Website: http://www.onr.navy.mil/Science-Technology/Directorates/office-research-discove Research/University-Research-Initiatives/DURIP.aspx
Brief Description: NAVY SUBMISSION The Department of Defense (DoD) announces the Fiscal Year 2015 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment
Awards: $50,000 to $1,500,000
Letter of Intent: Not required
Proposal Deadline: November 17, 2014

National Science Foundation

Grant Program: Healthy Watersheds Consortium Grant
Agency: NSF: NSF Publication 15-509
RFP Website: http://www.nsf.gov/pubs/2015/nsf15509/nsf15509.htm
Brief Description:
The EHR Core Research (ECR) program of fundamental research in STEM education provides funding in critical research areas that are essential, broad and enduring. EHR seeks proposals that will help synthesize, build and/or expand research foundations in the following focal areas: STEM learning, STEM learning environments, STEM workforce development, and broadening participation in

STEM. The ECR program is distinguished by its emphasis on the accumulation of robust evidence to inform efforts to (a) understand, (b) build theory to explain, and (c) suggest interventions (and innovations) to address persistent challenges in STEM interest, education, learning, and participation. The program supports advances in fundamental research on STEM learning and education by fostering efforts to develop foundational knowledge in STEM learning and learning contexts, both formal and informal, from childhood through adulthood, for all groups, and from the earliest developmental stages of life through participation in the workforce, resulting in increased public understanding of science and engineering. The ECR program will fund fundamental research on: human learning in STEM; learning in STEM learning environments, STEM workforce development, and research on broadening participation in STEM.
Awards: Standard Awards
Deadline:
due by 5 p.m. proposer's local time):
February 03, 2015
September 10, 2015

Grant Program: Science, Technology, and Society
Agency: National Science Foundation **NSF 15-506**
RFP Website: http://www.nsf.gov/pubs/2015/nsf15506/nsf15506.htm
Brief Description: The Science, Technology, and Society (STS) program supports research that uses historical, philosophical, and social scientific methods to investigate the intellectual, material, and social facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of STS topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines, including medical science. The program's review process is approximately six months. It includes appraisal of proposals by ad hoc reviewers selected for their expertise and by an advisory panel that meets twice a year. The deadlines for the submission of proposals are February 2nd for proposals to be funded as early as July, and August 3rd for proposals to be funded in or after January. There is one exception: Doctoral Dissertation Improvement Grant proposals will have only one deadline per year, August 3rd. The Program encourages potential investigators with questions as to whether their proposal fits the goals of the program to contact one of the program officers.
Awards: Standard Awards
Due Date:
(due by 5 p.m. proposer's local time):
February 02, 2015
February 2, Annually Thereafter
August 03, 2015
August 3, Annually Thereafter

National Institutes of Health

Grant Program: NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)
Agency: NIH, PA-14-013; P30 Center Core Grants
RFP Website: http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-013.html
Brief Description: This Funding Opportunity Announcement (FOA) invites applications for Center Core Grants that provide resources and facilities shared by a minimum of six NINDS-supported investigators, and supporting a wider base of neuroscience research. The proposed Centers should offer services and expertise that would be difficult or impractical to support in individual labs. The Centers are expected to capitalize on economies and synergies associated with shared resources, and to foster a collaborative environment among neuroscientists at host institutions.
Program Requirements
To receive a Center Core Grant, an institution or consortium must meet the following program requirements.

- Cores and Core services must be specifically targeted to neuroscience research. Resources that are general to biomedical sciences are not appropriate for this FOA, unless a specific unmet neuroscience research need can be demonstrated.
- Centers must support at least six Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) who hold qualifying NINDS-funded research projects. Qualifying projects include R01 and other awards of similar scale, as specified in Section III.3. Additional Information on Eligibility.
- Support provided by the Cores to the qualifying projects must be for activities within the scope of the projects' funded Specific Aims.
- All of the qualifying investigators must be significant users of the Center, and no more than 25% of the effort from a single Core facility can be devoted to projects directed by any single investigator.
- The qualifying projects are necessary, but must not be the only projects supported by the Cores. It is expected that the Cores will serve a wide base of neuroscience investigators beyond the qualifying projects.
- A Core must provide services that are not available to investigators elsewhere either off-site (e.g., commercially) or via other facilities at the host institution. Exceptions to this requirement may be allowable in infrequent cases, but only if the Core adds substantial and demonstrable value both for potential users and for support of the NINDS mission.
- Core facilities and personnel should be focused on a service mission, with a goal of meeting the needs of a variety of potential users. Awards will not

support independent research that is separate from the goal of service to Center users. Center personnel may receive partial funding from other sources for independent research, but their effort towards Center activities must be documented as described below.
- In infrequent cases, technology development may be appropriate for a given Core, but only insofar as this development enhances the service to Center users. Applicants considering technology development efforts are encouraged to contact NINDS Scientific/Research staff to discuss alternative grant mechanisms.

Awards: Applications may request up to $400,000 per year in direct costs for up to 4 years.
Letter of Intent: November 29, 2014
Submission Deadline: December 29, 2014, 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.

CIMIT

Program: Point of Care Technology Research Center in Primary Care
Agency: CIMIT
RFP Website: http://www.cimit.org/grants-poctrn.html

Brief Description: CIMIT Announces 2015 National Award Competition for the Point-of-Care Technology Research Network (POCTRN) in Primary Care
The Point of Care Technology Research Center in Primary Care seeks collaborative research projects to develop novel Point of Care technologies aimed at improving patient care in primary care settings. Applications must present practical solutions to unmet needs relevant to primary care practice with an ultimate goal of improving healthcare outcomes and efficiency in the delivery of primary care. If successful, projects should be viable candidates for commercial development.
As the number of primary care providers diminishes and the need for primary care increases, the fundamental unmet need is to increase the ability of providers to care for more patients without decreasing the quality of care given and without unduly burdening the providers, patients or their families.
In general, two POC technology-enabled pathways to increase primary care capacity are:
- 1) To introduce point-of-care technologies that eliminate unnecessary steps and re- work to increase the efficiency of operations.
- 2) To offload selected testing and self-monitoring capabilities to the home or community settings for patient self-management.

Seeking collaborative research projects aimed at improving patient care, devices, procedures, diagnosis, and the delivery of healthcare in primary care settings through the development of point-of-care technologies

- Pre-Proposals: Pre-proposals must be submitted through the CIMIT on-line system at https://cimitconnect.induct.no and are due no later than **11:59pm EST on Monday, February 16, 2015.** See" How to Apply for Point-of-Care Technology Award-Pre-Proposals" http://www.cimit.org/grants-poctrn.html

Full Proposals: Invited full proposals must be received by 11:59pm EST **Monday, April 27th, 2015**.
Contact: Steve Schachter, MD, Chief Academic Officer
Email: CIMITGrants@partners.org