

2016

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Office of Research Development and Administration
Eastern Michigan University

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Office of Research Development and Administration

Events & Deadlines

December 19, 2016

Center Stage

Steven Backues (Assistant Professor, Chemistry) has received NSF funding for his project: "Scaffold or Assembly Line: How Does Atg11 Organize its Binding Partners for the Initiation of Selective Autophagy?"

Congratulations Dr. Backues!

<http://www.emich.edu/research/publications/center-stage.php>

Deadlines

National Institutes of Health, Innovative Programs to Enhance Research Training (IPERT)

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 NIGMS Innovative Programs to Enhance Research Training (IPERT) R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. This program is intended to support types of research education activities that cannot be supported by other NIGMS programs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on:

- **Courses for Skills Development:** Support for short courses designed to develop scientific research skills. Support for academic development and enrichment activities designed to improve critical thinking and problem solving skills, communication skills and skills appropriate to lead effective research programs. Support for short courses in the application of emerging technologies or areas of science relevant to biomedical research. These courses could be in-person or provided electronically. Applications will not be accepted for courses that are or would become part of the standard/required curriculum of an academic degree program or institution or are from for-profit entities. The courses must be open to the biomedical community and not restricted to trainees from a single program, department or institution.
- **Mentoring Activities:** Activities designed to provide not only technical expertise, but also professional development, biomedical research career planning advice and insight to students, postdoctorates or early-career faculty. Activities to prepare participants with a working knowledge of the challenges and opportunities for a career in various biomedical research-related sectors or settings and to improve their skills to meet these challenges and opportunities.
- **Outreach:** Activities such as contemporary, research-based science/health education or dissemination of biomedical research findings to individuals, including those from underrepresented groups, in preparation for careers in research. Outreach could include courses for skills development, mentoring activities or both approaches. An example would be short courses or computer-based educational tools for developing scientists at any academic level, including faculty. Outreach activities could include support for travel awards to enable students and faculty to participate in conferences, symposia and workshops, provided training activities are included as part of the award;; and information dissemination.

<https://grants.nih.gov/grants/guide/pa-files/PAR-17-070.html>

Next Deadline: February 7, 2017

National Science Foundation, Cyber-Physical Systems

Cyber-physical systems (CPS) are engineered systems that are built from, and depend upon, the seamless integration of computational algorithms and physical components. Advances in CPS will enable capability, adaptability, scalability, resiliency, safety, security, and usability that will far exceed the simple embedded systems of today. CPS technology will transform the way people interact with engineered systems -- just as the Internet has transformed the way people interact with information. New smart CPS will drive innovation and competition in sectors such as agriculture, energy, transportation, building design and automation, healthcare, and manufacturing. The goal of the CPS program is to develop the core system science needed to engineer complex cyber-physical systems that people can use or interact with and depend upon.

<https://www.nsf.gov/pubs/2017/nsf17529>

Next Deadline: March 6, 2017

National Science Foundation, Software Infrastructure for Sustained Innovations Program

Software Infrastructure for Sustained Innovation (SI²) is a bold and long-term investment that maintains a sustained focus on realizing the Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21, https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10015), which envisions a highly reusable and interoperable cyberinfrastructure architecture that integrates large-scale computing, high-speed networks, massive data archives, instruments and major facilities, observatories, experiments, and embedded sensors and actuators, across the nation and the world, to help make great strides towards revolutionizing virtually every science and engineering discipline.

<https://www.nsf.gov/pubs/2017/nsf17526>

Next Deadline: March 7, 2017

Centers for Disease Control and Prevention, Research Grants for Preventing Violence and Violence Related Injury

The Centers for Disease Control and Prevention's National Center for Injury Prevention and Control (NCIPC) is soliciting investigator-initiated research that will help expand and advance our understanding about what works to prevent violence by rigorously evaluating primary prevention strategies, programs, and policies to address specific gaps in the prevention of teen dating violence, intimate partner violence, sexual violence, and youth violence. This initiative is intended to support primary prevention strategies, programs or policies that target universal or selected high-risk populations (i.e., populations that have one or more risk factors that place them at heightened risk for initial perpetration of violence).

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=287832>

Next Deadline: March 10, 2017

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