ORDA Weekly Update

Office of Research Development and Administration

2016

ORDA Weekly Update, 2016 12 12

Office of Research Development and Administration
Eastern Michigan University

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ORDA Weekly Update, December 12, 2016
1 message

Director Office of Research Development and Administration <emu_research@emich.edu>

Mon, Dec 12, 2016 at 9:56 AM

Reply-To: Director Office of Research Development and Administration <emu_research@emich.edu>
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Office of Research Development and Administration

Events & Deadlines

December 12, 2016

Center Stage

Steven Backues (Associate 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

ORDA "On The Road"

ORDA staff will be holding office hours at various locations across campus to make it easier for faculty to connect with the pre- and post-award officers who serve them.

217 Pray Harrold, from 11am-1pm:

Friday, December 16

310A Porter Building from 8:30am-noon:

Monday, December 19

Webinars

National Science Foundation, Improving Undergraduate STEM Education (IUSE)

The Improving Undergraduate STEM Education (IUSE: EHR) program invites proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. 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 learning scholars to advance our understanding of effective teaching and learning.

Register here: http://ehrweb01.aaas.org/stem-iwbw/iuse-webinars/

Tuesday, December 13, 2016; 2:00-4:00pm EST

Thursday, December 15, 2016; 2:00-4:00pm EST

National Science Foundation, Software Infrastructure for Sustained Innovations Program

Software Infrastructure for Sustained Innovation (SI^2) 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.

Register here: https://www.nsf.gov/events/event

Tuesday, December 13, 2016; 3:00-4:00pm EST

Deadlines

National Endowment for the Humanities, Public Scholar Program

The Public Scholar Program supports well-researched books in the humanities intended to reach a broad readership. Although humanities scholarship can be specialized, the humanities also strive to engage broad audiences in exploring subjects of general interest. They seek to deepen our understanding of the human condition as well as current conditions and contemporary problems. The Public Scholar Program aims to encourage scholarship that will be of broad interest and have lasting impact. Such scholarship might present a narrative history, tell the stories of important individuals, analyze significant texts, provide a synthesis of ideas, revive interest in a neglected subject, or examine the latest thinking on a topic. Books supported by this program must be grounded in humanities research and scholarship. They must address significant humanities themes likely to be of broad interest and must be written in a readily accessible style. Making use of primary and/or secondary sources, they should open up important and appealing subjects for a wide audience. The challenge is to make sense of a significant topic in a way that will appeal to general readers. Applications to write books directed primarily to scholars are not appropriate for this program.

https://www.neh.gov/grants/research/public-scholar-program

Next Deadline: February 1. 2017

National Institutes of Health, National Institute of Nursing Research, Promoting Caregiver Health Using Self-Management

Notice seeking applications stimulating clinical research in promoting caregiver health using self-management. Research must focus on informal caregivers, or unpaid individuals (spouses, partners, family members, friends, or neighbors) involved in assisting others with activities of daily living and/or medical tasks. Focus areas include efforts to: Design culturally-tailored interventions to help caregivers leverage supports, manage burdens, stress, and other negative outcomes to maximize healthy behaviors and quality of life using self-management; Develop culturally-sensitive tools using self-management and technology to improve caregivers' skills, knowledge, and access to resources, services, and social support to promote caregiver health; Identify biomarkers to help predict when caregivers are at high risk for poor health that can be addressed through self-management; Identify self-management interventions at different transitions in the caregiving that address the challenges, barriers, and unique situations related to caregiver's age, gender, or socioeconomic status and promote caregiver health; Identify what interventions are efficacious and effective for self-management of care-givers across chronic conditions; and Identify mechanism of action of self-management interventions that work to affect caregiver health outcomes.

http://grants.nih.gov/grants/guide/pa-files/PA-17-062.html

Next Deadline: February 5, 2017

National Science Foundation, Computer Science for All

This program aims to provide *all* U.S. students the opportunity to participate in computer science (CS) and computational thinking (CT) education in their schools at the K-12 levels. With this solicitation, the National Science Foundation (NSF) focuses on researcher-practitioner partnerships (RPPs) that foster the research and development needed to bring CS/CT to all schools. Specifically, this solicitation aims to provide high school teachers with the preparation, professional development (PD) and ongoing support that they need to teach rigorous computer science courses, and K-8 teachers with the instructional materials and preparation they need to integrate CS/CT into their teaching.

https://www.nsf.gov/pubs/2017/nsf17525

Next Deadline: February 28, 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 (SI^2) 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

Caryn Charter, Director

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