

2018

# ORDA Weekly Update, 2018 10 15

Office of Research Development and Administration

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## Quick Links

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**Office of Research Development and Administration**

## Events & Deadlines

**October 15, 2018**

### Limited Submission Opportunities

Programs that allow only one or two submissions per institution are listed here. ORDA will conduct an internal competition to determine which proposal should be submitted on behalf EMU. Interested PIs should visit the CompetitionSpace page to apply:

<http://www.emich.edu/research/grant-life-cycle/regulations/submission-proposals.php>

### National Science Foundation, Major Research Instrumentation Program

The Major Research Instrumentation Program (MRI) catalyzes new knowledge and discoveries by empowering the Nation's scientists and engineers with state-of-the-art research instrumentation. The MRI Program enables research-intensive learning environments that promote the development of a diverse workforce and next generation instrumentation, as well as facilitates academic/private sector partnerships.

**Internal Application Deadline: October 15, 2018**

EASTERN  
MICHIGAN UNIVERSITY

EMU  
Research

External Sponsor Application Deadline: January 22, 2019

## Internal Awards

Internal research funding supports faculty research, creative, and scholarly endeavors. Several internal funding programs have deadlines this fall:

### Summer Research/Creative Activity

Deadline: October 31, 2018

### Undergraduate Research Stimulus Program

Deadline: November 2, 2018

More information can be found on ORDA's website:

<http://www.emich.edu/research/development/funding/index.php>

## Workshops

### Tips for Successful Undergraduate Research Stimulus Program Applications

Learn what makes for a successful URSP application in these workshops for faculty or faculty-student teams.

Monday, October 15, 541 Science Complex; 4:00-5:00pm

Thursday, October 18 ; 200 Boone Hall; 2:00-3:00pm

### How to Build a Research Proposal Budget

Wednesday, October 17 OR Thursday, October 18

12:30-1:30pm ; 200 Boone Hall

This brownbag is for faculty who are considering a funding opportunity and are not sure what can be done with the budget allowed by that opportunity. Join ORDA Pre-Award Officer Susan Campbell for an informal and informative session where basic budget items and considerations will be discussed. Bring your lunch and your questions!

### Introduction to SPSS, Part 1

Tuesday, October 23

1:00-2:30pm ; G07C Halle Library

This "hands-on" workshop is for participants who have never used or feel out-of-date with the statistics package SPSS. The menu-driven system of the Windows version of SPSS will be demonstrated for performing common tasks such as: entering data into SPSS, creating

variable and value labels, computer new variable, recording values, running selected statistical procedures, and saving data and output files. The SPSS I Workshop will cover the basics of this package.

### Spin/Smarts/Foundation Directory

Wednesday, October 24

12:00-1:00pm ; 200 Boone Hall

This workshop is held in a computer lab so you can get hands on experience searching several helpful directories of funding sources. Learn how to sign up for alerts so you never miss a good funding opportunity! This is a great follow-up to the Finding Funding Workshop held in October.

### Finding Funding

Thursday October 25

12:00-1:00pm ; 200 Boone Hall

This workshop provides a brief overview of the “whys” and “how-tos” of identifying appropriate funding sources for research. We will also present information regarding some of the services provided by ORDA. A demonstration of a variety of resources, including the various search engines that ORDA subscribes to, will be performed.

### Introduction to R, Part 1

Tuesday October 30

1:00-2:30pm ; 200 Boone Hall

R is a very popular computing and graphing tool for exploring data. It allows users to document their thoughts of the data analysis and make it easier to reproduce or update the analysis. R is free and can be downloaded on any operating system. This workshop will give a hands-on introduction to R. We'll start with the software installation and work through a few examples that demonstrate the use of R for various types of data manipulation, graphical presentation and basic statistical analysis. Handouts will be provided. **Please bring your laptop .**

### Deadlines

National Science Foundation, Understanding the Rules of Life: Building a Synthetic Cell

This solicitation describes an Ideas Lab on “Building a Synthetic Cell.” Ideas Labs are intensive workshops focused on finding innovative solutions to grand challenge problems. The ultimate aim of this Ideas Lab organized by the National Science Foundation is to facilitate the generation and execution of innovative research projects aimed at designing, fabricating, and validating synthetic cells that express specified phenotypes. The aspiration is

that mixing researchers who have diverse scientific backgrounds will engender original thinking and innovative approaches that will transform our understanding of cellular processes, the molecular mechanisms that underscore the building and function of systems that reproduce life traits, the self-assembly of life-like systems, soft condensed matter, and the physics and chemistry of life that are needed to design and build cellular components, cells and multicell systems.

<https://www.nsf.gov/pubs/2018/nsf18599>

Next Deadline: Preproposals (required), December 28, 2018 ; Full Proposal, May 13, 2019

National Science Foundation/National Institutes of Health, Joint DMS/NLM Initiative on Generalizable Data Science Methods for Biomedical Research

The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation (NSF) and the National Library of Medicine (NLM) at the National Institutes of Health (NIH) plan to support the development of innovative and transformative mathematical and statistical approaches to address important data-driven biomedical and health challenges. The rationale for this interagency collaboration is that significant advances may be expected as the result of continued NSF investments in foundational research in mathematics and statistics as well as inter- and multi-disciplinary research and training at the intersection of the quantitative/computational sciences and domain sciences, while NIH benefits from the enhancement of biomedical data science with new approaches that strengthen the reproducibility of biomedical research and support open science.

<https://www.nsf.gov/pubs/2019/nsf19500/nsf19500.htm>

Next Deadline: January 16, 2019

National Science Foundation, Understanding the Rules of Life: Epigenetics

The purpose of the Understanding the Rules of Life: Epigenetics (URoL:Epigenetics) program is to enable innovative research and to promote multidisciplinary education and workforce training in the broad area of epigenetics. The URoL:Epigenetics program is a wide collaboration across Directorates/Offices within the National Science Foundation with a focus on understanding the relationship between epigenetic mechanisms associated with environmental change, the resultant phenotypes of organisms, and how these mechanisms lead to robustness and adaptability of organisms and populations.

<https://www.nsf.gov/pubs/2018/nsf18600>

Next Deadline: February 1, 2019

National Institutes of Health, Addressing Caregiver Symptoms through Technological Tools (R01 or R21, Clinical Trial Optional)

The purpose of the Funding Opportunity announcement is to encourage grant applications

from the scientific community that develop and test tools to address symptoms in caregivers. The key to this announcement is the focus on the caregiver, regardless of patient symptoms or conditions. Research is needed to enhance symptom recognition and assessment in caregivers, and to promote technological strategies to alleviate distress in caregiver symptoms. These studies are needed to advance the science related to caregiver experience of symptoms, caregiving contexts that promote these symptoms, and viable tools to address the symptoms experienced by caregivers.

R01: <https://grants.nih.gov/grants/guide/pa-files/PA-19-023.html>

R21: <https://grants.nih.gov/grants/guide/pa-files/PA-19-024.html>

Next Deadline: February 5, 2019

### **ORDA Request for Information**

ORDA is interested in sharing news about your research, scholarly, and creative activity with the University community, and beyond.

- Are you serving as an editor of a scholarly journal? Let us know!
- Have your students won a poster presentation at a regional conference? Let us know!
- Have you recently created and produced an original performance, or had an exhibition of your work? Let us know!
- Did you recently publish a book or article? Let us know!
- Did you receive a Fulbright-Hays, or other fellowship? Please tell us about it!

The link below will take you to an e-form that provides an easy way to communicate this exciting news. This will help us identify activities that can be promoted both internally and externally.

<https://docs.google.com/forms/>

### **Statistical Consultation**

ORDA welcomes back Dr. Grigoris Argeros (Sociology Anthropology Criminology) and Dr. Kathy Chu (Mathematics) as Faculty Associates for research statistics. Consultation is available for faculty, as well as graduate students working with faculty on independent research projects and theses with the goal of publication of results.

Contact [Orda\\_stats@emich.edu](mailto:Orda_stats@emich.edu) for more information or to schedule an appointment.

### **ORDA on Social Media!**

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