Campus research resources to help you

January 16, 2014 – 3-4pm
Welcome

- **Doug Gage**, Internal Grants (gage@msu.edu)
- **Jon Harrison**, The Funding Center (harris23@msu.edu)
- **Kathy Walsh**, Research Facilitation and Dissemination (walshka@msu.edu)
  - Sobha Ramanand ramanand@msu.edu
  - Anne E. Plovanich-Jones hrvatska@msu.edu
- **Katie Cook**, Office of Sponsored Programs FARRKAT1@OSP.MSU.EDU
- **Evonne Pedawi**, Contract and Grant Administration (PEDAWI@CGA.MSU.EDU)
- **Nick Beckloff**, Research Technology Support Facility (beckloff@msu.edu)
- **Benjamin Ong**, Institute for Cyber-Enabled Research (iCER) (ongbw@msu.edu)
- **Hailey Mooney**, Data Management Services (mooneyh@msu.edu)
Doug Gage

- internal grants [http://vprgs.msu.edu/internal-grants](http://vprgs.msu.edu/internal-grants)
- institutionally limited proposals [http://vprgs.msu.edu/ilp](http://vprgs.msu.edu/ilp)
- MSU research centers and institutes [http://vprgs.msu.edu/msu-research-centers-and-institutes](http://vprgs.msu.edu/msu-research-centers-and-institutes)
- MSU Bioeconomy Network [http://bioeconomy.msu.edu/node/6](http://bioeconomy.msu.edu/node/6)
- liaison with Great Lakes Bioenergy Research Center [http://glbrc.msu.edu/](http://glbrc.msu.edu/)
Jon Harrison

- Librarian [http://lib.msu.edu/contact/subjectlibrarian/](http://lib.msu.edu/contact/subjectlibrarian/)
- The Funding Center
  [http://staff.lib.msu.edu/harris23/grants/0fdncoll.htm](http://staff.lib.msu.edu/harris23/grants/0fdncoll.htm)
- Grants and Related Resources
  [http://staff.lib.msu.edu/harris23/grants/](http://staff.lib.msu.edu/harris23/grants/) and blog
- Grant-writing workshops
  [http://staff.lib.msu.edu/harris23/grants/workshop.htm](http://staff.lib.msu.edu/harris23/grants/workshop.htm)
- One of the curators of Spartan Ideas blogsite
  [http://spartanideas.msu.edu/](http://spartanideas.msu.edu/)
Office of Research Facilitation and Dissemination

1. Provides information regarding open grant competitions and RFPs (please send an email to research@msu.edu to be added to our mailing list)
   
   • **SciVal Funding**: licensed software product to help researchers find new funding opportunities (*access on computer linked to MSU internet*) [http://www.funding.scival.com/home#b](http://www.funding.scival.com/home#b)
   
   • **VPRGS website** ([http://vprgs.msu.edu/find-funding](http://vprgs.msu.edu/find-funding))
   
   
   • **Other information sources**: [http://grants.gov/](http://grants.gov/)
Office of Research Facilitation and Dissemination

2. Assigns **grant writing** support personnel to help with approved cross-disciplinary, all-university, or multi-department proposals.

3. Provides **support for visits to federal** and other grant officers for discussion of possible projects (generally matched by college or department).
Office of Research Facilitation and Dissemination

4. Offers direct training – and subventions for third-party training
   • Write Winning Grant Proposals
   • MSU/FBI Academic Alliance Conference
   • Coffee Breaks

5. Communicates internally about the MSU research news (websites, email faculty announcements)

Loraine Hudson, director, 432-4499, ljh@msu.edu
Websites

**https://vprgs.msu.edu/**
- portal to MSU research support (funding, collaboration, compliance, commercialization, policies, training)

**http://spartanidease.comsu.edu/**
- Spartan Ideas (blog aggregator curated by MSU Libraries)

**http://vprgs.msu.edu/form/research-seminars-email-list**
Sponsored Programs Administration
Office of Sponsored Programs
Contract & Grant Administration
https://cga.msu.edu/Default.aspx
Sponsored Programs Administration
(Preaward and Postaward Administration)

Dr. Stephen Hau
Vice President for Research and Graduate Studies

Twila Fisher Reighley
Assistant Vice President for Research and Graduate Studies
Sponsored Programs Administration

Mark Hans
Vice President for Finance and Treasurer

Tracy Halloran
Administrative Assistant

Office of Sponsored Programs
(Preaward)

Doreen Woodward
Associate Director

Contract & Grant Administration
(Postaward)

*D Sally Becker
(Plus .25 FTE)
Front Office

Dan Evon
Director

* Heather Stadden
Sponsored Program Administrator & Financial & Data Analyst

* (asterisk) represent staff engaged in shared activities supporting OSP and/or CGA

* Hima Pasapula
Information Technology

2 Vacancies:
1 existing
1 new

* Kenneth Jansen
Information Technologist II

* Vacant (IT II)

* Steven Kaatz
Training Coordinator
(SPA, OSP, CGA)

* Vacant (IT Prof.)
Office of Sponsored Programs (OSP)
MSU’s Preaward Office

**Mission:** The Office of Sponsored Programs (OSP) is a unit under the Vice President for Research and Graduate Studies with an organizational affiliation to the Vice President of Finance. Our mission is to provide superior pre-award support to faculty, staff, and the Contract & Grant Administration.

**What does OSP do?**
- Reviews & approves proposals
- Negotiates agreements & accepts awards
- Advises faculty & staff about external funding agencies
- Liaison with funding agency prior to award/contract
- MSU’s Authorized Representative for sponsored projects
Mission Statement: is a unit dedicated to superior post-award administration. Our mission is to support MSU's research and creative endeavors by providing timely, accurate, and courteous assistance to faculty and support staff with the financial and contractual administration of their grants, cooperative agreements, and contracts.

What does CGA do?

- CGA monitors the award from account set up through close out/audit.
- CGA is the post award/compliance office.
- Advises faculty & staff about external agency regulations
- The liaison with the Sponsor for post award transactions including amendments, prior approval requirements, progress reports, and other inquiries
Big Tools for Big Science

http://rtsf.msu.edu/index.html
Flow Cytometry Core

Flow cytometry is a laser-based technique that analyzes cell populations in suspension. Flow cytometry analyses can simultaneously detect several biochemical parameters at rates up to thousands of cells per second.

http://rtsfctest.bch.msu.edu/flowcytometry.html
Mass Spectrometry Core

The RTSF Mass Spectrometry Core is an ‘open access’ resource where MSU researchers and facility staff perform chemical analyses for small molecules and intact macromolecules. The facility features 12 autosampler-equipped mass spectrometers which collectively provide GC-MS, LC-MS/MS, and MALDI-TOF capabilities. Analyses performed here typically involve compound identification, quantitation, and statistical analysis. Facility staff are available to provide expert consultation regarding method development and data interpretation. Students and other researchers are encouraged to become certified users of the instruments; training includes discussions of theory and operation of the facility instrumentation; following training, users are provided 24/7 access to the instruments. Methods currently running include high-throughput profiling of amino acids, phytohormones, signaling oxytins, structural lipids, and organic acid metabolites. Recently, capabilities for MALDI-TOF tissue and surface imaging have also been developed. The facility performs analyses of samples from more than 100 institutions from across North America.

http://rtsftest.bch.msu.edu/massspec.html
Proteomics Core

The MSU Proteomics Facility provides resources to assist researchers in the identification and characterization of proteins and peptides. Experiments from simple protein discovery to complex differential proteome profiling and post-translational modification mapping can be performed using our state-of-the-art instrumentation and software.

http://rtsftest.bch.msu.edu/proteomics.html
Big Science Requires Big Tools

The Research Technology Support Facility (RTSF) is a collection of five analytical facilities which provide the fundamental tools for modern life science research.

The complexities and costs of the tools involved in 21st century science require a full-time staff focused on the understanding and maintaining the instruments. These research tools are part of a hub of facilities connecting research in diverse areas of science.

http://rtsf.msu.edu/index.html
Computational Resources @ MSU

Benjamin Ong
ongbw@msu.edu

Institute for Cyber-Enabled Research
Michigan State University

Biomedical and Physical Science Building
Room 1440

January 16, 2014
Three Pillars of Science

source: http://energy.gov
MSU Cyber-Resources

Computer Store

Personal computer

Department systems

University systems

National systems

iCER

XSEDE
Goal of iCER

- KFlops/second: how fast can we compute something
- KScience/second: how much interesting science can we do, i.e. how quickly can you publish your paper/graduate
iCER: Institute for Cyber-Enabled Research

iCER is funded by the VPRGS (Vice President for Research & Graduate Studies) Office + some MSU Colleges

This allows us to provide to the MSU community (for free):

- Access to high performance cyber-infrastructure, advanced compute and storage hardware.
- Access to hundreds of installed and configured software titles/libraries.
- Training to use the super-computer: Training workshops; one-on-one consulting for computational research.
Hailey Mooney
Data Management
http://www.lib.msu.edu/about/diginfo/ldmp/

Also be sure to attend the workshop on 
This and other research-related presentations available at...

http://resfacil.msu.edu/presentations
Questions?

Email Research@msu.edu