

**Welcome to Michigan State University Research**

**World-Class University,  
World-Class Scholarship**

*Office of the Vice President for  
Research and Graduate Studies*

**New Faculty Research Orientation  
August 17, 2017**



# Research: Why We Do It

- Dynamic research programs—based on a forward-thinking research agenda—address the problems of today and form the solutions of tomorrow
- University research is often the basis of corporate R&D – economic benefits
- Furthering research – advancing knowledge – gives MSU international prominence
- Research is the basis for education and outreach and draw top students and faculty



# Faculty-Researcher Expectations

- **Faculty** shape the reputation of MSU and are the drivers to expand research.
- We strive to hire better faculty; you should strive to be more successful than those before you.
  - Maintain a commitment to research excellence, compliance, and integrity.
  - Publish cited research in top-tier journals.
  - Pursue a larger share of federal research funds.
  - Advance your career through conferences, boards, external awards, etc.
  - OVPRGS provides services to help with all of this.



# Academics and Research

- Research and scholarly activity is strongly linked to graduate, undergraduate education.
- A top research program draws top students.
- Faculty are expected to involve students at all levels in research.
  - Undergraduates <http://www.urca.msu.edu/>
  - Graduate Students <http://grad.msu.edu/>
  - Postdocs <http://grad.msu.edu/postdocs/>
- Faculty should know guidelines for graduate student and post-doc mentoring.



# Research Expectations

- Faculty in areas where external support is available must compete successfully for it.
- Faculty who have established their individual research programs may advance their careers by pursuing large multi-investigator and interdisciplinary proposals. (Panel discussions on this today)
- Expand corporate research activity, develop intellectual property, and build successful spin-out companies
  - MSU Business-CONNECT
  - MSU Technologies
  - MSU Spartan Innovations

**MSU Innovation  
Center**



# Scholarship & Creative Activity

- Scholarly activity includes arts and humanities.
- Competitive, university-wide, peer-reviewed internal grants programs support scholarly activities and provide seed funding for future proposals.
- See <http://vpgrgs.msu.edu/internal-funding>
  - **Humanities and Arts Research Program (HARP)**
  - **Strategic Partnership Grants**
  - **New initiative: Research in Autism, Intellectual and Neurodevelopmental Disabilities (RAIND)**



# External Funding Sources

- **SciVal® Funding** <http://www.funding.scival.com/home#b>  
Extensive subscription database available to the MSU research community; includes funding announcements from federal, private, and foundation sources
- **VPRGS website** (<http://vprgs.msu.edu/find-funding>)  
External funding sources and internal programs
- **MSU Libraries “Grants and Related Resources”** at <http://libguides.lib.msu.edu/grants>
- **Other information sources:** <http://grants.gov/>  
Federal funding opportunities



# Proposal Development Assistance

- When in doubt – ask!
- Office of Research Facilitation and Dissemination
  - Offers **writing support** on large, multi-author proposals. Call 432-4499 or visit [vprgs.msu.edu](http://vprgs.msu.edu)
  - Presents **seminars and workshops**, including monthly coffee break discussions. Check <http://vprgs.msu.edu/calendar> for details.
  - Note: Your college or department may also offer proposal assistance.





# What You Can Expect

- Clearly stated **performance expectations** from chair/director
- Thorough **annual evaluation** of performance
- Support of and guidance from **research associate dean, department chair, senior faculty**
- **Participation of OVPRGS** in the promotion and tenure process
- **Strong mentoring** programs
  - Internal to the department
  - External to the department
    - Research integrity – RIO and RCR
    - Faculty conflict of interest



# Compliance

- Everyone involved in scholarly activity is expected to comply with regulations:
  - Export control and trade sanctions
  - Laboratory safety
  - Human subjects protection
  - Animal care
  - Conflict of interest
  - Responsible Conduct of Research



## Remember:

- We WANT you to be successful.
- Today is about providing resources and contact information for you to refer back to.
- Keep your folder; call when you need help.

[vprgs.msu.edu](http://vprgs.msu.edu)



# Export Control – Technology

1. The U.S. government controls “deemed” exports of certain technology inside the U.S., as well as exports abroad.
2. “Fundamental research” on a US university campus is excluded from export controls under ITAR (military) and EAR (dual use) provisions. Publication is key.
3. The “Fundamental Research Exclusion” is lost for:
  - a. Encryption;
  - b. If **publication or citizenship restrictions** apply;
  - c. If in-bound controlled data or equipment;
  - d. For contracted prototypes or defense services.
4. ITAR controlled technology is restricted to U.S. citizens and permanent residents. EAR tech varies by specific citizenship.



# Export Control – The Entity List

05.03.2013

## University Charged with Export Violations

BY: THOMAS B. MCVEY & JAHNA M. HARTWIG

<http://www.williamsmullen.com/news/university-charged-export-violations>

The **University of Massachusetts at Lowell** was charged by the Bureau of Industry and Security (“BIS”) for violating export control laws in connection with the export of an atmospheric testing device and related equipment. Specifically, the University was charged with...**exporting items classified as EAR99 to a party on the BIS Entity List**. This case reinforces the important point that even universities engaged in fundamental research are required to comply with export control laws. It also reinforces the importance of prohibited party list screening as a mandatory part of export compliance...



# Trade Sanctions

**E.g., U.S. Treasury’s “Specially Designated Nationals” list and Trade Sanctions imply:**

- **MSU Dubai – avoid Bank Melli (Iran gov’t link).**
- **MSU Alumni Association – participants must be careful during upcoming Cuba tourism.**
- **MSU USAID researchers – participants must be careful in Myanmar (Burma) project.**

**For EC&TS assistance: Jamie Haberichter 432-4499**



# Issue Escalation

\* When in doubt, ask – any time, day or night – even at home in a crisis. OVPRGS staff can help.

(517) 432-4499

\* Failure to escalate some issues can be a “career crash landing.”

- \* Health and safety concerns

- \* Criminality, discrimination, harassment

- \* Research or fiscal misconduct

- \* Regulatory compliance

\* Your line administrators can assist you in involving MSU legal staff.



# Export Controls & Trade Sanctions

Questions?

<https://exportcontrols.msu.edu/>





# Office of Regulatory Affairs

## Who are we?

- Human Research Protection Program
- Animal Care Program
- Environmental Health and Safety
- Institutional Stem Cell Research Committee
- Conflict of Interest



# The Committees

**Institutional Animal Care & Use Committee - Sue Barman, Chair**

**Sally Light, IACUC Administrator**

Phone: 517-432-3154

E-mail: [barman@msu.edu](mailto:barman@msu.edu)

**Biological Safety Office – John Gerlach, Chair**

**Jamie Willard, Biological Safety Officer**

Phone: 517-353-1877

E-mail: [cherryme@msu.edu](mailto:cherryme@msu.edu)

**Radiation Safety Office – Chris Waters, Chair**

**Bryan Harris, Radiation Safety Officer**

Phone: 517-884-3309

E-mail: [harris@ehs.msu.edu](mailto:harris@ehs.msu.edu)

**Chemical Safety Office – Karen Chou, Chair**

**Genevieve Cottrell, Chemical Safety Officer**

Phone: 517-432-8715

E-mail: [cottre36@ehs.msu.edu](mailto:cottre36@ehs.msu.edu)

**Campus Animal Resources**

**Claire Hankenson, University Attending Veterinarian**

Phone: 517-353-5064

E-mail: [fclaire@msu.edu](mailto:fclaire@msu.edu)

**Faculty Conflict of Interest Office**

**Brian Mattes, Director**

Phone: 517-884-7000

Email: [mattesbr@msu.edu](mailto:mattesbr@msu.edu)

**Human Research Protection Program (HRPP)**

**Kristen Burt, Director**

**Ashir Kumar, Chair BIRB - Harry McGee, Chair SIRB**

Phone: 517-884-6020

E-mail: [irb@msu.edu](mailto:irb@msu.edu)

**Stem Cell Oversight – Katheryn Meek, Chair**

**Kristen Burt, Director**

Phone: 517-884-6020

E-mail: [burtkris@msu.edu](mailto:burtkris@msu.edu)



# What do we do?

- Facilitate research
  - Transfer ongoing work – all work requires a protocol
  - Help with COI disclosures
- Protect the research subject and the investigator
- Maintain compliance with state and federal laws, regulations and policies
- Training
- Accreditation



# How can we help investigators?

- Assist faculty in working through protocol approval process
- Help stay in compliance through post-approval monitoring
- Provide online and hands-on training
- Work with your faculty to ensure a safe work environment



# Coming Soon

## New Compliance Management Suite

- New web-based system for:
  - Institutional Review Board (IRB) – December 2017
  - Institutional Animal Care and Use Committee (IACUC) – Spring 2018
  - Environmental Health and Safety (EHS) – Fall 2018
- Some anticipated benefits:
  - Streamline the creation, submission, and review of applications and protocols for researchers and reviewers
  - Improved security and transparency for compliance processes
  - Allow researchers to better track approved documents
- More information about the deployment of the new system will be available on the Research Administration Project website ([ra-project.vprgs.msu.edu](http://ra-project.vprgs.msu.edu)) and the ORA website ([ora.msu.edu/](http://ora.msu.edu/))



# Questions

[www.ora.msu.edu](http://www.ora.msu.edu)

**It is always best to directly contact the regulatory  
office with questions!**



# What New Faculty Should Know About Research Misconduct

**James M. Pivarnik, PhD**  
**Research Integrity Officer (RIO)**  
**Michigan State University**

[www.rio.msu.edu](http://www.rio.msu.edu)

**RIO@msu.edu**

**107 Olds Hall**

**432-6698**



## What the RIO does

- The RIO is responsible for seeing to it that the MSU Procedures Concerning Allegations of Misconduct in Research and Creative Activities are carried out in an unbiased, confidential, and professional manner.
- Required for any institution seeking and accepting federal funding (42 CFR 93)





## The role of the RIO

- The RIO shall coordinate implementation of these Procedures and shall be responsible for their fair and impartial administration. The RIO shall not be an advocate for the Complainant or the Respondent.



## Research Misconduct is:

Fabrication, Falsification, Plagiarism, or any other practice, that **Seriously Deviates** from practices commonly accepted in the discipline or in the academic and research communities generally in proposing, performing, reviewing, or reporting Research and Creative Activities. *Misconduct does not include appropriative practices in the Creative Arts insofar as they accord with accepted standards in the relevant discipline.* Misconduct does not include honest error or honest differences in the interpretation or judgment of Research data.



# Standard of Determination for Research Misconduct

- There be a significant departure from accepted practices of the relevant research community; and
- The misconduct was committed intentionally, knowingly, or recklessly; and
- The allegation be proven by a preponderance of the evidence



- “Unacceptable Research Practices” means practices that do not constitute Misconduct but that violate applicable laws, regulations, or other governmental requirements, or University rules or policies, of which the Respondent had received notice or of which the Respondent reasonably should have been aware, for proposing, performing, reviewing, or reporting Research or Creative Activities.



**What about individuals who are  
always on the edge?**



- “Questionable Research Practices” means practices that do not constitute Misconduct or Unacceptable Research Practices but that require attention because they could erode confidence in the integrity of Research or Creative Activities.



## Question

- What percentage of potential allegations coming to our office is associated with some sort of previous conflict between/among the parties involved?
- ~ 90%!!



# Is Research Misconduct an Issue at MSU?

**91% True**

**99% False**

**?**





# What about prevention?

- We encourage students, faculty and administrators to ask us about any research issues
- Advice



# What about prevention?

- Dispute resolution
- We encourage students and faculty to seek our help with settling disputes



# Please do one thing for me

- If you SEE something, SAY something
- You can report anonymously



# Questions?



# MSU Libraries: Resources for Researchers

Terri Miller, Asst. Director for Public Services  
New Faculty Research Orientation 8/17/2017



# Librarian Liaisons-- Partners in Research

- Each College has a designated librarian as a liaison <http://www.lib.msu.edu/contact/subjectlibrarian/>
- Librarians can help you get not only books and journals, but datasets, media and streaming resources. We are often co-P.I.s on digital scholarship grants.
- Research Data Management Services to help with data plans required in many research grants <http://www.lib.msu.edu/rdmg/>
- Library Office of Copyright consults on a broad range of copyright issues, from course materials and streaming rights to permissions for large-scale digitization projects <https://copyright.lib.msu.edu/>
- Resources for finding grants <http://libguides.lib.msu.edu/grants>



# Digital Scholarship @MSULibraries

- Digital Scholarship and Curation Services work with researchers on all phases of digital scholarship, from proposal to long-term storage options. We have expertise in text-mining, data visualization, metadata creation, coding and web development. <https://www.lib.msu.edu/dc/services/>
- Extensive series of workshops held throughout the semester and during breaks on a wide variety of topics: using QGIS, Experimental design, Survey123, data storage and retrieval, book design, 3D printing basics  
<http://bookings.lib.msu.edu/calendar/events/?cid=3079&t=d&d=0000-00-00&cal%5b%5d=3079>



# Digital Scholarship Lab @MSU Libraries

- Coming in Spring 2018
- Will include an Immersive Visualization Suite, open to classes or for research projects
- Also includes Virtual Reality headsets for use by researchers or students
- Workshop space for advanced faculty and student projects needing specialized software and high capacity computing
- Project Space for digital scholarship teams/projects





**Thank you!**  
**Questions?**

