








Introduction

- ORA (est. 2002) is part of the overall effort of WSU to ensure responsible conduct of research.
- We work collaboratively with researchers to stay in compliance with applicable internal and external policies and regulations.
- By staying in compliance we avoid funding delays, funding denials, unpublished research, and - in some cases fines - jail.



Asking The Right Questions

Our philosophy is centered on **customer service** and helping PI's and departments navigate the labyrinth of laws and policies that affect research at WSU.

<http://ora.wsu.edu/>

Institutional Animal Care and Use Committee (IACUC)

Who Oversees Animal Welfare?

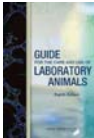


<https://iacuc.wsu.edu/>

Institutional Animal Care and Use Committee (IACUC)

The IACUC provides **oversight of animals and animal care personnel** involved in research, teaching, and clinical education by ensuring that animal use is well-justified, designed to minimize discomfort or pain in animals, and is guided by scientific and educational relevance to human or animal health. To accomplish these goals, the IACUC...

- ensures animal welfare;
- provides training requirements - Principles of Animal Care & Occupational Health Training with Animals;
- is accredited by the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC); and
- strictly follows the Guide for the Care and Use of Laboratory Animals.



**Replacement
Reduction
Refinement**

<https://iacuc.wsu.edu/>

Institutional Biosafety Committee (IBC)

Who Oversees Research With Biological Materials?

<http://www.bio-safety.wsu.edu/>

Institutional Biosafety Committee (IBC)

The IBC Reviews procedures for working with potentially hazardous biological materials including used in research:

- Genetically Modified Organisms (GMOs)
- Infectious Agents and Pathogens
 - Human
 - Animal
 - Plants
 - Environment
- Human Tissue and Cells

The IBC verifies containment practices & facilities

- Biosafety levels (BSL-1, -2, -3)

<http://www.bio-safety.wsu.edu/>

Institutional Review Board (IRB)

Who Oversees Human Subjects Research?

<http://www.irb.wsu.edu/>

Institutional Review Board (IRB)

The Institutional Review Board (IRB) is responsible for the review and approval of all research activities involving human subjects.

The IRB protects the rights and welfare of human subjects to ensure that all are treated in such a way as to minimize risk and avoid harm.

The guiding principles of the IRB are:



*Respect for Persons
Beneficence
Justice*

<http://www.irb.wsu.edu/>

Radiation Safety Committee (RSC)

Who Oversees Radiation Safety?



WSU Radiation Safety Officer

<http://www.rso.wsu.edu/>

Radiation Safety Committee (RSC)

The WSU Radiation Safety Office team and Radiation Safety Committee ensures the **safe use of radioactive materials and radiation machines.**



ALARA
As Low As Reasonably Achievable

<http://www.rso.wsu.edu/>

Export Controls

Who Oversees Exports?






These complex regulations govern:

1. The release of technology, technical data, & software to foreign nationals
2. The furnishing of defense services to foreign persons
3. The shipment or other transmission of items or defense articles outside the U.S.
4. The ability to transact with certain individuals, countries, & entities.

<http://www.ora.wsu.edu/ExportControls/>

Export Controls

Most research activities at WSU are **exempted** from the E.C. regulations through the **Fundamental Research Exemption**.

Responsibilities of PIs:
It is ultimately each individuals obligation to comply with Export Control laws. Review research in advance for potential Export Control restrictions.

- If a license is needed, apply **BEFORE** the project begins—license approvals take 3-6 months or longer.
 - In general, delivery of services to an embargoed country such as (Cuba, Iran, North Korea, Sudan, or Syria) is not allowed without a license.



<http://www.ora.wsu.edu/ExportControls/>

Hazardous Materials Shipping (HMS)

Who Oversees the shipment of hazardous materials?




Is my shipment (potentially) hazardous?




<http://www.ora.wsu.edu/Shipping/>

Hazardous Materials Shipping (HMS)

Is my shipment (potentially) hazardous?

- Dry Ice
- Laboratory Chemicals (including preservatives)
- Pathogens
- Animal or Human specimens
- Compressed gas cylinders
- Lithium Batteries (in & out of equipment)
- GMO's
- Radioactive materials

If your material is hazardous or you are not sure please call:

ORA Hazmat Shipping 509-432-3869

<http://www.ora.wsu.edu/Shipping/>

Hazardous Materials Shipping (HMS)

WSU Hazmat shipping procedure:

- 1) ORA will process and ship all WSU hazmat shipments
- 2) Contact the hazmat shipping coordinator at (509) 432-3869
- 3) We will come directly to your location and collect your shipment
- 4) You will need to supply a completed Request for Shipment of Merchandise Form along with your shipment
- 5) ORA will generate a shipping label & verify that the contents are packaged and labeled according to the shipping regulations

All Hazmat shippers **must** be trained and certified per 49CFR Part 172

*If an individual knowingly or willfully violates a hazardous material shipping regulation this is considered to be a criminal violation.




<http://www.ora.wsu.edu/Shipping/>

Conflict of Interest (COI)




dreamstime.com

 **COI**

Who Oversees Conflict of Interest?


- **PHS** U.S. Public Health Service
- **NSF** National Science Foundation
- **FDA** U.S. Food and Drug Administration
- Other funding agencies & professional organizations
- **WSU COI** is administered by the Office of Research Support & Operations (ORSO)

 **COI**

The Conflict Of Interest Committee will...

- Increase accountability
- Add transparency
- Enhance regulatory compliance and effective administrative management of PI's financial conflicts of interest.

We want to manage conflicts and potential conflicts in order to support entrepreneurship while protecting the reputation of WSU and its PI's.

 **COI Committee**

Reviews all pertinent documentation, including the COI application & management plan, relating to potential or actual Conflict of Interests.

The COI Committee has the responsibility to:

- assess whether a potential conflict exists
- assess the extent of the conflict and
- manage, reduce, or eliminate the conflict before approval

Responsible Conduct of Research (RCR)



22

RCR

RCR training is available on MyResearch for Faculty, staff, & students.
Retraining is required every 5 years. Anyone who is credited on a grant must be current on training.

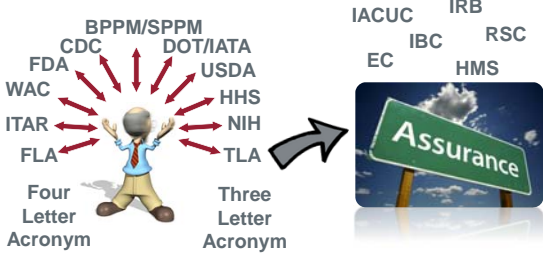
- 1) Data Acquisition, Management, Sharing and Ownership
- 2) Use of Humans
- 3) Conflict of Interest and Commitment
- 4) Use of Animals
- 5) Research Misconduct
- 6) Publishing Practices and Authorship
- 7) Mentor/Trainee Relationships and Responsibilities
- 8) Peer Review
- 9) Collaborations



www.myresearch.wsu.edu

23

Office of Research Assurances



Four Letter Acronym: BPPM/SPPM, CDC, WAC, ITAR, FLA

Three Letter Acronym: DOT/IATA, USDA, HHS, NIH, TLA

Other acronyms: IACUC, IRB, EC, IBC, RSC, HMS

<http://ora.wsu.edu/>

Office of Research Assurances
ora.wsu.edu

<p>Mike Kluzik Director 335-9553 mkluzik@wsu.edu</p> <p>Aaron Atencio IRB Program Assistant 335-2995 aaron.atencio@wsu.edu</p> <p>Patrick Conner IRB & IBC Program Coordinator 335-7183 patrick_conner@wsu.edu</p> <p>Doug Cuellar HMS & EC Specialist 335-0039 dcuellar@wsu.edu</p> <p>Scott Finch Radiation Safety Technician III 335-4221 sfinch@wsu.edu</p> <p>Malathi Jandhyala Human Subjects Protection Manager / IRB 335-3668 mjandhyala@wsu.edu</p> <p>Kreta Johnson Health Physicist 335-7058 kretaj@wsu.edu</p> <p>Sonja Fenimore Radiation Safety Technician III 335-8175 sfenime4@wsu.edu</p> <p>Rey McGhee Coordinator (Assistant Radiation Safety Officer) 335-6763 rmcghee@wsu.edu</p>	<p>Rani Muthukrishnan IACUC Program Specialist 335-7951 rani_m@wsu.edu</p> <p>Jennifer Neelon Compliance Analyst 335-1213 jennifer.neelon@wsu.edu</p> <p>Levi O'Loughlin Biosafety Officer 335-1585 levi.oloughlin@wsu.edu</p> <p>Ryan Schwager Assistant Biosafety Officer & Hazmat Shipping 335-4462 rschwager@wsu.edu</p> <p>Jennifer Serne Assistant Director & Radiation Safety Officer 335-1763 jennifer.serne@wsu.edu</p> <p>Ashley Williams IACUC Program Assistant 335-5353 a.williams@wsu.edu</p> <p>Elizabeth Willits Human Subjects Review Coordinator 335-7646 elle.willits@wsu.edu</p> <p>Patti Wilson Administrative Assistant 335-1179 pwilson@wsu.edu</p>
--	---



This has been a
**WSU Training
Videoconference**

If you attended this live training session and wish to have your attendance documented in your training history, please notify Human Resource Services within 24 hours of today's date:

hrstraining@wsu.edu
