

IRES Fellows Handbook

The IRES Fellows Program offers graduate students and postdoctoral researchers an exceptional opportunity to develop leadership, teamwork, and facilitation skills by: (a) becoming a departmental resource for issues related to research ethics; (b) teaching and leading a small group discussion to your peers; and (c) designing, implementing, and assessing one research ethics event for your department and one for campus.

IRES Fellows Learning Outcomes

1. Critically evaluate issues that relate to research ethics that arise in research/scholarship.
2. Analyze case studies to communicate your understanding of the responsible conduct of research/scholarship.
3. Apply effective pedagogies in implementing research ethics events.
4. Explain policies at the institutional, state, and federal levels that relate to the responsible conduct of research/scholarship.
5. Apply professional codes of conduct and ethical principles to frame ethical questions, problems, and decisions that arise in research/scholarship.
6. View yourself as an advocate for research/scholarly integrity.

Overall Expectations:

- Meet weekly during the fall
- Attend brown bags
- Talk with department chair to determine event topic
- Survey fellow graduate students to narrow down topic choice
- Co-present a brown bag
- Upload presentation materials
- Read presentation materials
- Work with other fellows to plan and implement two events for campus
- Attend retreat

Evaluate another fellows event

All fellows are required to:

Fall Semester:

- Meet weekly from 8:30-9:30 a.m. Tuesday, September 17 -Tuesday, December 10. You must attend all sessions and come prepared for discussion by reading required material before each session.
- In the fall semester, co-present one brown bag on one of the areas of responsible conduct of research. (Please see page 3).
- All brown bag materials must be uploaded and posted on Learn@UW the Friday before your presentation. Please include a bibliography and all presentation materials.
- Read all presentation materials in Learn@UW prior to attending the Tuesday session. Post your discussion questions in the appropriate Learn@UW discussion thread.
- Work with other fellows to plan, implement, and assess a campus event. Two groups will plan an event for fall and two groups will plan an event for spring.
- Work in a team to develop a lesson plan for the campus event.
- Talk with faculty members and the department chair to determine what topic would be the most beneficial for your colleagues to discuss.
- Meet with the appropriate person in your department to determine when to schedule your event.
- Survey graduate students and postdocs in your department to determine what topic is of greatest interest to your colleagues.

Spring:

- Attend half-full day retreat (January 24, 2014)
- Design, develop, implement, and evaluate an event integrated into a standing departmental event based on one of the areas of responsible conduct of research or on an emerging issue of research ethics for your discipline.
- Attend and evaluate one program event developed and implemented by another fellow.

- Work with other fellows to plan, implement, and assess a campus event. Two groups will plan an event for fall and two groups will plan an event for spring.
- Work in a team to develop a lesson plan for the campus event.

Final presentation materials will be posted on the IRES Fellows page under your profile.

Note: If you are using materials from other courses, please credit the course and yourself.

Required Reading

All required readings are available in Learn@UW.

Fall Activities and Requirements-

Fall Brown bag:

The fall semester brown bag must address one of the responsible conduct of research topics listed below.

- Data Acquisition and Management
- Mentoring and Trainee Responsibilities
- Collaboration between Academia and Private Industry
- Authorship, Publication and Peer Review
- Intellectual Property
- Conflicts of Interest (COI) and Scientific Objectivity
- The Use of Animals in Research
- The Protection of Human Subjects in Research and the Protection of Vulnerable Subjects
- Genetics, Cloning, and Stem Cell Research
- International Research
- Research Misconduct

For your brown bag, you must pick your top three choices and send to Heather. You will be paired with another fellow and will co-present a session on one of the topics listed above. In addition to presenting information from the readings, you must develop discussion questions and

present policies (institutional, state, and federal) as well as resources (academic papers) for the topic. Your presentation materials and a summary list of policies and resources must be posted on the group page in Learn@UW the Friday before your presentation.

Please note, your colleagues will have read the required readings in advance of your presentation. This is not a presentation of what you have learned, but rather an opportunity to for you and your colleagues to think more deeply about the topic through the use of case studies or discussion questions.

You will have 45 minutes for the brown bag and 15 minutes for a discussion on the effectiveness of the materials and pedagogies. Fellows will critique one another and offer constructive feedback for future presentations.

You are required to attend all brown bag presentations by fellow IRES colleagues throughout the fall and spring semesters.

Brown bag seminars are a chance for you to begin to think critically about research ethics and apply this to your discipline and professional norms and standards.

Campus Event:

Fellows will work in teams of four to plan, implement, and evaluate an event for campus about ethical issues in research and scholarship. This event should last an hour to an hour and a half. All events will take place at Union South. Once you have a date and time, please contact Heather to make reservations at the Union. The date should be selected in September.

Once you have a title and description, please send this to Heather for publicity. This should be sent to Heather at least one month in advance of the presentation.

Two groups will work on a fall campus event and two groups will work on a spring semester event. Each group is required to submit a lesson plan containing what they want to attendees to learn by the time they leave and the activity/activities you will use to help achieve the learning objectives.

Lesson Plan

Each IRES Fellow is required to schedule, develop, implement, and evaluate a departmental event focused on one of the areas of responsible conduct of research.

You must develop and submit a preliminary lesson plan for your spring event. A preliminary draft is due December 2, 2013 so we can provide you guidance as you move forward and develop your event. You will also present this during the spring brown bag series to receive feedback from IRES colleagues.

- 1) Develop learning objectives for the event
 - a. What is the topic?
 - b. What do I want my colleagues to learn?
 - c. What are the most important concepts, ideas, or skills I want my colleagues to be able to grasp and apply (this needs to address the principles of research integrity)?
 - d. Why are these important?
 - e. What are the ethical issues?
 - f. Why are these important?
 - g. What do I want my colleagues to take away from the event?

- 2) Plan learning activities
 - a. What activities will I do to meet my learning objectives?
 - b. What will I do to accommodate learning styles?
 - c. How will I engage my colleagues in this topic?

- 3) Develop an assessment plan
 - a. How will I gauge what my colleagues know about the topic or what preconceived notions they have before this event?
 - b. How will I assess what my colleagues learned at this event?

- 4) Collect support materials
 - a. What sources on the topic have you consulted?
 - b. What materials (e.g., handouts, PowerPoint, list of discussion questions) will you use at the event?

<http://www.schreyerinstitute.psu.edu/Tools/LearningObj/>

<http://gsi.berkeley.edu/ethics/overview.html>

http://tilt.colostate.edu/certificates/portfolio_LessonPlanExample.pdf (has links on right side for writing lesson plan)

http://www.crlt.umich.edu/gsis/P2_5.php (as well as links for getting feedback on your teaching)

A final lesson plan for your event including the feedback you incorporated from your colleagues is due the day before your presentation.

Spring Activities and Requirements

Spring Retreat:

Each fellow is required to design and implement an event for their department focused on one of the areas of responsible conduct of research. You may also focus on an emerging area of research ethics identified through your conversations with faculty and survey with colleagues. The spring semester retreat is a chance to utilize the activity you will use for your large event for your program and get feedback from your colleagues. You will have 20 minutes to run through the activity in real time with the group.

Campus Event:

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Program Event

Each IRES Fellow is required to schedule, develop, implement, and evaluate an event that is integrated into a standing departmental event and is focused on one of the areas of responsible conduct of research. The topic is identified through surveys and conversations with colleagues and faculty. You may also focus on an emerging area of research ethics. Contact your department chair for approval and sponsorship of this event. We strongly recommend holding your event in March or early April. Spring break runs from March 15-23. Do not schedule your event the week before or after break. Do not hold events after April 18. End of semester schedules make it difficult for people to attend. Please email Heather with the date of your event.

Plan to have an event that runs an hour to an hour and a half. You do not need to know everything about your topic. We hope faculty will also attend this event.

Once you have a date, time, and location, email Heather with this information. You are required to attend and evaluate one program event developed and implemented by another fellow. You must share your evaluation with the fellow who developed the event. In addition, you must also evaluate your own event.

You are required to use an assessment to determine whether or not your event had an impact on your colleagues understanding of the topic.

Web Resources

- 1) Office of Research Integrity (<http://ori.hhs.gov/>)
- 2) Introduction to the Responsible Conduct of Research (by Nicholas Steneck): <http://ori.hhs.gov/documents/rcrintro.pdf>
- 3) Ken Pimple: <http://mypage.iu.edu/~pimple/>
- 4) Resources of Research Ethics Education (RREE): <http://research-ethics.net/discussion-tools/>
- 5) Research Ethics Pedagogies (from RREE): Socratic, didactic, problem solving, case study, current events, misconduct reports, role play, fishbowl, panel discussion, question based lecture, and video followed by discussion.
- 6) Teaching Research Ethics (TRE): <http://poynter.indiana.edu/tre/resources.shtml>
- 7) Retraction Watch: <http://retractionwatch.wordpress.com/>
- 8) Council of Graduate Schools Project for Scholarly Integrity: <http://scholarlyintegrity.org/>

Books/Articles

Beecher, H. (1966). Ethics and clinical research. The New England Journal of Medicine, 274 (24). <http://www.hhs.gov/ohrp/archive/documents/BeecherArticle.pdf>

Belmont Report (1979): <http://www.hhs.gov/ohrp/policy/belmont.html>

Macrina, F. (2005) Scientific integrity: Text cases in responsible conduct of research. Washington D.C.: ASM Press.

Nuremburg Code (1949): <http://www.hhs.gov/ohrp/archive/nurcode.html>

Pimple, K. (2002). Six domains of research ethics: A heuristic framework for the responsible conduct of research. Science and Engineering Ethics, 8 (2), 191-205.

Shamoo, A., & Resnik, D. (2009). Responsible Conduct of Research. Bloomington: New York Oxford Press.

Contact Information

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