

Responsible Conduct of Research, Scholarship and Creative Activities

Topics for 2019-20 Face-to-Face RCRSCA Workshops

Interactive discussions will be based around a main presentation given by Dr. Greg M. Swain or other key individuals from MSU administrative units, such as the Office of Regulatory Affairs and the Research Integrity Officer. RCRSCA education is essential for the preparation of future professionals. The program seeks to foster a culture of high ethical standards for research and creative output. An understanding of how to properly conduct research and pursue scholarly activity has become critically important in today's landscape. It is MSU's responsibility to be graduating students with a comprehensive working knowledge of research and scholarly integrity, proper research and scholarly publication practices, and strategies to avoid misconduct. The workshops provide education in nine core areas: mentoring, authorship, peer review, collaborations, data management, human subjects, animal use, research misconduct and conflicts of interest. Each workshop topic is paralleled by a CITI module such that a student can pair an online lesson followed by a face-to-face discussion.

The required CITI Modules can be accessed (MSU NET ID login information needed) through:

<https://ora.msu.edu/train/programs/citi.html>

All RCRSA workshops will be held in [Erickson Hall](#), 620 Farm Lane, Kiva, East Lansing, MI 48824

Check-In - 5:15 – 5:50 p.m. Workshop Programs - 6:00 – 7:30 p.m.

Registration links for the workshops found at: <https://grad.msu.edu/rcr>. (ABILITY tracked)

Completion of CITI modules and the RCRSCA workshops will be tracked using ABILITY at:

<https://ora.msu.edu/train/>

Fall Semester 2019

Responsible Conduct of Research and Importance of Mentoring September 17, 2019

Safeguarding the integrity of research and creative activities is fundamental to the mission of Michigan State University. We owe no less to the public which sustains institutions like

ours and to the governmental agencies and private entities that sponsor the research enterprise. All members of MSU share responsibility to assure that misconduct or fraud in research and creative activity is dealt with effectively and that MSU's high standards for scholarly integrity are preserved. This workshop will review types of misconduct (fabrication, falsification or plagiarism) that occur in proposing, performing, or reviewing research and scholarly activities, and best practices to avoid these. The session will also cover proper behavior in mentor-mentee relationships.

Registration is required.

Workshop Slides from 09/17/19 (PDF) (will upload at time of workshop)

Authorship and Plagiarism

October 8, 2019

Publication of a scholarly work makes you an author - and that's both exciting and a responsibility. This session will be dedicated to understanding the definitions and disagreements about what constitutes an author, how conflicts are resolved, how to avoid such conflicts, and where/to whom to go for help about authorship issues.

Plagiarism - stealing the work of another - is an increasing problem in the scholarly community. At MSU, this ranks as the #1 allegation of research misconduct. This session will also aim to help you understand what plagiarism is, how to test for it within your own work, how to discuss plagiarism, and where to go for advice on plagiarism.

Registration is required.

Workshop Slides from 10/8/19 (PDF) (will upload at time of workshop)

Conflict of Interest, Peer Review and Collaboration

November 12, 2019

Research is an increasingly complex endeavor, and one rarely works in isolation. This session will help you understand and appreciate what a 'conflict of interest' is, that they occur in many situations and are manageable. Strategies to avoid conflicts of interest will be presented. Conflicts within the context of peer review will be discussed - an important duty for all members of the scholarly community.

The term "collaboration" in academic research is usually thought to mean an equal partnership between at least two academic faculty members who are pursuing mutually interesting and beneficial research or scholarly activities. Today, however, many collaborations involve researchers of differing stature, funding status, and types of organizations. In this workshop, rules for successful research collaboration will be discussed.

Registration is required.

Workshop Slide from 11/12/19 (PDF) (will upload at time of workshop)

Data and Data Management

December 3, 2019

At the heart of what you do as a scholar is to produce data and or other creative products. The gathering, use of and ownership of data and creative products are critical to understand. This session will discuss the diversity of what data can be, and who controls, owns and can share such data. We will also discuss practical means to protect your data and creative products.

Registration is required.

Workshop Slides from 12/03/19 (PDF) (will upload at time of workshop)

Spring Semester 2020

Use of Human Subjects and IRBs

January 21, 2020

As part of research, it may be necessary to use human subjects. This workshop will help you understand the requirements – both at the level of MSU and the federal government – that must be adhered to be able to use human subjects in research. Key compliance issues will be discussed as will ethical issues associated with their use. Finally, the Institutional Review Board for Protection of Human Subjects in Research (IRB) and the IRB application process will be reviewed.

Registration is required.

Workshop Slides from 01/21/20 (PDF) (will upload at time of workshop)

Use of Animal Subjects and Animal Protocols

February 18, 2020

As part of research, it may be necessary to use test animals. This workshop will help you understand the requirements – both at the level of MSU and the federal government – that must be adhered to be able to use animals in research. Key compliance issues will be discussed as will ethical issues associated with their use. Finally, application procedures will be discussed as all research, teaching, and extension/outreach activities using animals must have an approved use protocol from the Institutional Animal Care and Use Committee (IACUC).

Registration is required.

Workshop Slides from 02/18/20 (PDF) (will upload at time of workshop)

Rigor and Reproducibility

March 17, 2020

NIH and other funding agencies are requiring comprehensive strategies for proper research methods and procedures, and the presentation of research data. These include applying rigor, minimizing bias, and maximizing reproducibility in all efforts. This workshop will discuss means by which to address these within research. The primary principles covered within this session are rigor and reproducibility.

Registration is required.

Workshop Slides from 04/14/20 (PDF) (will be uploaded at time of workshop)

Research Misconduct, Investigations and Review

April 14, 2020

Conduct in research runs a spectrum, from that performed with integrity to true research misconduct. Accusations of misconduct are incredibly serious, and the consequences grave. This session will help you understand the spectrum of behaviors that can arise while performing research and scholarly activities. Specific examples of misconduct will be presented. There will be discussions about best practices to follow in order to avoid research and scholarly activity misconduct, and to whom one should go if you have concerns about your own or other's research or activities. The session will review the processes of reporting, investigating and reviewing alleged misconduct.

Registration is required.

Workshop Slides from 03/17/20 (PDF) (will be uploaded at time of workshop)