

# Responsible Conduct of Research

FY18 Seminar Series | Onstead Auditorium (S3.8012) | 12:00 – 1:00pm

*FALL / WINTER 2017*

**9/13/17**                      **Conflict of Interest and Commitment**

**Tyron C. Hoover, MD, JD**

A discussion of how to identify and handle situations in which financial or other personal considerations have the potential to compromise or bias professional judgment and objectivity, which may ultimately undermine the public trust in science.

**10/11/17**                      **Data Acquisition, Management, Sharing and Ownership**

**Rebecca Modisette, PhD**

The accepted practices and procedures for acquiring, storing, documenting, analyzing, sharing and maintaining data, including definitions for what constitutes data, procedures for maintaining the confidentiality and integrity of data, proper methods for keeping records and processing/ analyzing data; and guidelines for who ‘owns’ data.

**11/8/17**                      **Human Subjects**

**Colleen Gallagher, PhD**

An overview and discussion of the challenges and ethical considerations specific to the scientific community re: studying people, their tissues and their data, including responsibility for the safety and privacy of study participants.

**12/13/17**                      **Research Misconduct and Policies for Handling Misconduct**

**Shine Chang, PhD**

A discussion of the basic components of research misconduct in the course of research activities -- falsification, fabrication and plagiarism; questionable research practices; the various agency definitions of misconduct; how to report occurrences; and the roles and responsibilities of the whistleblower.

**1/10/18**                      **Communication and Difficult Conversations**

**Bill Brock, PhD**

A discussion of how postdocs can use communication and diplomatic skills to navigate some aspects of the research environment, particularly when conversations between postdocs and their mentors/supervisors turn towards difficult or sensitive topics.

**2/14/18**                      **Peer Review**

**Jason Robinson, PhD**

The definition and process of peer review, the variety of activities that utilize peer review from publication to proposal submissions, the role and responsibilities of reviewers and understanding impartiality and confidentiality.

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*SPRING/SUMMER 2018*

**3/14/18**                      **Collaborative Science**  
**Gordon Mills, MD, PhD**

The aspects of developing and maintaining research collaborations, including communicating and establishing the parameters of the collaboration (e.g. authorship determinations and sharing of data and materials) as well as collaboration between researchers from academia and industry.

**4/11/18**                      **Animal Welfare**  
**Lori Hill, DVM**

An overview of the established guidelines for the proper care and treatment of animals used in research, as well as ethical considerations surrounding research involving animals.

**5/9/18**                      **Publication Practices and Responsible Authorship**  
**Carrie Cameron, PhD**

The procedures for assigning credit and authorship; the responsibilities of each author; accepted practices for detailing methods, analyses and results -- including appropriate citations; and publication “pitfalls”.

**6/13/18**                      **Ethical Issues in Biomedical Research**  
**Colleen Gallagher, PhD**

A discussion of the ethical standards for research, including the principles of respect, beneficence and justice.

**7/11/18**                      **Rigor and Reproducibility**  
**Geoffrey Bartholomeusz, PhD**

Rigor and reproducibility is increasingly emphasized as important for research. This seminar includes the robust and unbiased experimental design, methodology, analysis, interpretation, reporting and validation of the results by multiple scientists.

**8/8/18**                      **Mentee & Mentor Responsibilities**  
**Victoria McDonnell, DrPH | Location: Faculty Center FC1.2002**

Opening with a brief highlight of the importance of mentors in academic medicine and an outline of the tacit skills needed for effective mentoring relationships, this session will identify and review resources, tools and strategies for selecting a mentor, mapping out the extent of collaboration between mentor and mentee and constructive procedures for mitigating abuses and resolving grievances.