**2017 Responsibilities and Ethics**

**In the Conduct of Research Workshop**

**Monday, January 16, 2017**

The Graduate School’s Ethics and Responsible Conduct of Research workshop engages graduate students with real world ethical dilemmas and practical advice, and offers them the opportunity to hold more theoretical discussions about the nature of ethical and socially conscious research. The workshop is comprised of wide-ranging panels covering mentor relationships, ethical research practices, research misconduct and data falsification, as well as the larger social significance of research. This day-long workshop inquires philosophically after the intersections between our personal, professional, and public obligations.

This workshop fulfills the federally-mandated, 8-hour responsible conduct in research training requirement for all PhD students supported by federal funding, as well as the Graduate School 3-hour ethics training requirement. *(Questions about federal funding? Check with your DGS.)*

**7:30 – 8:00: Registration (DeBartolo 101)**

**8:00 – 8:15: Welcoming Remarks; Recognizing and approaching ethical problems (DeBartolo 101)**

John Lubker, Associate Dean For Academic Affairs

**8:15 – 9:45: Research Misconduct and “The Lab” (DeBartolo 101)**

Cindy Bergeman, Associate Vice-President for Research; Professor of Psychology

This session asks students to navigate a hypothetical case of research misconduct as the main characters of an interactive video. Though set in a research laboratory, the video encourages students of all disciplines to engage with larger questions of ethical research and data management practices, responsible mentoring relationships, and even navigating work-life balance. Participants will gain practical advice for thinking through ethical decision-making processes—in any field—as they explore the moving pieces and possible consequences of research misconduct.

**9:45 – 10:30: Mentoring Discussion (DeBartolo 101)**

Jessica Collett, Associate Professor, Sociology

Tom Fuja, Professor and Department Chair, Electrical Engineering

Laura Carlson, Professor of Psychology; Dean, The Graduate School, Vice-President and Associate Provost

 Dani Brake, Post Doctoral Scholar, Applied and Computational Math and Statistics

This session addresses broader issues in forming and maintaining professional mentor/mentee relationships. Participants will learn what to consider when selecting an advisor, what they can expect from professional working relationships, and how to build peer mentor networks. This session will offer participants the ability to anonymously submit their own questions for the panel to discuss.

**10:30 – 10:45: Break**

**10:45 – 12:00: Diversity and Inclusion (DeBartolo 101)**

Pamela Nolan Young, Director of Diversity and Inclusion, Office of the Provost

**12:00 – 1:15: Lunch in the Morris Inn (Smith Ballroom)**

**1:15 – 2:30: Human Subjects, Animal Subjects (DeBartolo 101)**

Cindy Bergeman, Associate Vice-President for Research; Professor of Psychology

TBD

This session focuses on the historical context of research with human and animal subjects. Participants will gain a deeper understanding of the roles and responsibilities of the researcher, the Institutional Review Board (IRB) and the University in the ethical treatment of individuals who participate in research projects, and will be introduced to the Institutional Animal Care and Use Committee (IACUC), which is responsible for reviewing all protocols involving live vertebrate animals, ensuring compliance with federal regulations, inspecting animal facilities and laboratories and overseeing training and educational programs.

**2:45-3:45: Breakout 1**

**Big Data (DeBartolo TBD)**

Jared Nabrzyski, Director, Center for Research Computing

Kate Mueller, Managing Director, Center for Social Research

This breakout will involve discussions of the shifting ethical parameters of big data’s use in academic research. Participants will learn how to assess the legal and ethical limitations of big data, particularly where they complicate how researchers conceive of informed consent and privacy rights.

**Social Responsibility (DeBartolo TBD)**

Mark Bourgeois, National Science Foundation on Ethics Education in Science and Engineering Postdoctoral Fellow, Reilly Center

This session will address the ethical and social responsibilities scientific researchers may have beyond conducting research with integrity.  These broader responsibilities are rooted in an awareness of the social context and the ramifications their research may have there – ramifications which are increasingly critical as science and technology research progresses.  Students will receive an overview of the skills necessary for socially-engaged research, and take part in a discussion of issues and questions relevant to them.

**4:00-5:00: Breakout 2**

**Taking Responsibility for Social Impacts: The Example of 'The Atomic Scientists' Movement**

**(DeBartolo TBD)**

Don Howard, Professor of Philosophy; Fellow of the Reilly Center for Science, Technology, and Values

Does technical expertise entail an obligation to engage in public debate about the impact of one's science or engineering work? Many of the scientists and engineers who worked on the Manhattan Project definitely believed that. We will look, briefly, at the many things they did to shape the public about the post-war use of atomic energy, and the roll they played in making possible the 1963 limited test ban treaty. This will serve as an example for a wide-ranging discussion of similar challenges today.

**Tech Transfer/Intellectual Property** (**DeBartolo TBD)**

Timothy Flannigan, Associate General Counsel

Richard Cox, Director, Office of Technology Transfer

Elliott Visconsi, Associate Professor of English, Chief Academic Digital Officer

This session focuses on intellectual property, potential for conflict of interest, and the technology transfer process. Participants will gain deeper understanding of the multifaceted legal and ethical issues involved in technology transfer and learn how to best navigate its grey areas in order to make ethical decisions with their intellectual property.

 **Peer Review (DeBartolo TBD)**

 TBD

A Q&A panel discussion, with ample time for questions from participants.  This session offers practical advice drawn from situations the panel participants encountered in their own graduate careers.  The session will engage participants in interactive discussion with the panelists.