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 – 101 DeBartolo Hall

8:00 – 8:15: Welcoming Remarks; Recognizing and approaching ethical problems – 101 DeBartolo Hall
John Lubker, Associate Dean For Academic Affairs

8:15 – 9:45: Research Misconduct and “The Lab” – 101 DeBartolo Hall
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.

10:00 – 10:45: Diversity and Inclusion – 101 DeBartolo Hall
Eric Love, Director of Diversity and Inclusion, Human Resources

This interactive presentation fosters both broad understanding of what diversity means and active, positive engagement with diversity. Participants will learn how to navigate cultural misunderstandings with patience, and gain the skills and knowledge to better inform their ethical decision-making.

10:45 – 12:15: Mentoring and Unconscious Bias – 101 DeBartolo Hall
Theater Delta

This year's keynote presenters are Theater Delta, an interactive theater company led by Ben Saypol, who holds a PhD in Theater from the University of Colorado at Boulder and has worked/taught at the University of Notre Carolina, Chapel Hill and Loyola University, New Orleans. Theater Delta presents an interactive performance promoting dialogue about fostering professional mentor relationships, managing time responsibly, and working with constructive criticism.

12:15 – 1:30: Lunch in the Morris Inn

1:30 – 2:30: Mentoring Discussion – 101 DeBartolo Hall
Building upon the plenary, 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.

(continued)
2:45-3:45: Breakout 1
Human Subjects – 155 Debatolo Hall
Cindy Bergeman, Associate Vice-President for Research; Professor of Psychology
This breakout session focuses on the historical context of research with human 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.

Animal Research – 102 Debatolo Hall
Kay Stewart RVT, RLATG, CMAR, Assoc. Director Friemann Life Sciences Center
Satish Adusumilli, Ph.D., Director of the Friemann Life Sciences Center; University Attending Veterinarian
This breakout session covers the humane treatment of animals. Participants 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.

Big Data – 101 Debatolo Hall
Randal Harrison, Ph.D., Emerging Technologies Librarian, Hesburgh Libraries
Kate Mueller, JD., 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.

4:00-5:00: Breakout 2
Postdoc panel – 101 Debatolo Hall
A Q&A panel discussion between 4 Notre Dame postdoctoral scholars, 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 postdoc panelists, using Poll Everywhere’s anonymous Q&A technology.

Social Responsibility – 141 Debatolo Hall
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.

Taking Responsibility for Social Impacts: The Example of 'The Atomic Scientists' Movement – 102 Debatolo Hall
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 – 155 Debatolo Hall
Timothy Flannigan, Associate General Counsel
Patrick Flynn, Duda Family Professor, Department of Computer Science and Engineering
Richard Cox, Director, Office of Technology Transfer
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.