

## 2018 NISBRE WORKSHOP INFORMATION

### **Name, title, institution, and email address of each facilitator**

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**Session theme or topic:** Research Integrity - Avoiding Misconduct in Research

**Session format (lecture, facilitated discussion, panel discussion, Q&A):**

Lecture and discussion

### **Session title**

Scientific and Career Skills Workshops

### **Provide 3 anticipated participant learning outcomes:**

1. Interpersonal, institutional and professional responsibilities in ethical conduct of research
2. Consequences of research misconduct and why integrity in research is absolutely essential
3. ORI tools to identify types of data falsifications, ORI's support and oversight on research misconduct investigations

**Intended audience (INBRE, COBRE, CTR, students, faculty, PI's):**

All scientists and administrators

### **Abstract (200 Words):**

Research integrity relies on fundamental ethical principles in research, including proper research design, recording, management and analysis of data, appropriate authorship, mentoring, and right conduct relating to human subjects and animals in research. While there is a rise in the number of misconduct allegations and retractions of publications in recent years, all unethical research

practices do not constitute “research misconduct”, questionable research practices are far more common than outright misconduct. The cost of misconduct is immeasurable affecting individuals, institutions, society and science in general.

Research misconduct in the Federal regulations means fabrication, falsification, or plagiarism (FFP) in proposing, performing, or reviewing research, or in reporting research results (42 C.F.R § 93.103). The workshop session will discuss basics of responsible conduct in research (RCR) with special emphasis on laboratory practices to avoid data fabrication/falsification leading to misconduct investigations. Examples of different types of falsified/fabricated data from closed ORI cases and forensic tools used by ORI to detect FFP will be presented. Negative consequences of research misconduct will be discussed. Information on educational and investigative resources at ORI will be provided. Discussion will focus on best laboratory practices and personal responsibilities to avoid misconduct in research.

**Additional Materials, Web Information or Additional Information:**

Visit ORI website for case summaries, educational resources, forensic droplets, newsletter and more:

<http://ori.hhs.gov/>