Research Ethics Program

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Research Ethics Program Priorities

Research Ethics Program

- Education
- Research
- Service
What is Research Ethics?

Research Planning
- Human Subjects
- Animal Subjects
- Conflict of Interest

Research Conduct
- Mentor Responsibility
- Data Management
- Collaboration

Research Reporting
- Authorship
- Peer Review
- Publication
Questionable Research Practices (QRPs) vs Research Misconduct
# Research Misconduct

“Research misconduct means FFP in proposing, performing, or reviewing research or in reporting research results.

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<th>Fabrication</th>
<th>Falsification</th>
<th>Plagiarism</th>
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<tbody>
<tr>
<td>Fabrication is making up data or results and recording or reporting them.</td>
<td>Falsification is manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.</td>
<td>Plagiarism is the appropriation of another person’s ideas, processes, results, or words without giving appropriate credit.</td>
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# Impact of Un-Ethical Behaviors

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<tr>
<th>Wasted Resources</th>
<th>Funding</th>
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<td>Time and effort</td>
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<th>Decreased public confidence</th>
<th>↑ regulation</th>
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<td></td>
<td>↓ funding</td>
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<th>Decreased trust among scientists</th>
<th>↑ barriers to collaboration</th>
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<td></td>
<td>↓ recruits</td>
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<th>Research Record</th>
<th>Corrupt</th>
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<td>Implications</td>
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What causes research misconduct?
Etiology of Research Misconduct

- Prevalence elusive as are causes
- Case analyses point to
  - mentoring
  - personal stress
  - ignorance
  - inadequate training
  - productivity metrics
  - oversight failures and
  - conflicts in the research setting

- (Davis et al., 2007; DuBois, 2013; Redman, 2013).
Multi-level System Interaction

- Public Policy
  - Funders, Journals

- Community
  - (Professional Associations, Codes of Conduct)

- Organizational
  - (Department/School Norms/Ethos)

- Interpersonal
  - (Lab Environment)

- Individual
  - (Knowledge, Attitude, Skills)
Federal RCR Training Mandates

NIH

“Institutional programs are encouraged to provide instruction in responsible conduct of research for all individuals associated with the program of training regardless of their source of support.”

NSF

“NSF anticipates that institutions will develop their RCR training programs in a manner that helps prepare the next generation of researchers, ...”
Organizational Responsibility

The regulation not only addresses misconduct, but requires that...

“institutions to foster a research environment that discourages misconduct in all research and deals forthrightly with possible misconduct associated with research”
• **Knowledge.** Increased awareness and understanding of rules, standards and conventions to enhance research integrity.

• **Purpose and Value.** Opportunities to practice skills that may foster responsible and ethical research practices.

• **Positive Disposition.** Time to consider and reflect upon the ethical dimensions of planning, conducting and reporting research.
How might we foster a *healthy* research environment at UC San Diego?
Contact Us!

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Join our Research Ethics Program Network:
PLEASE COMPLETE THE SURF EVALUATION

We want to hear from you!