

HOMEWORK ASSIGNMENT:

Download, read and think about your own situation. Discuss the case studies with colleagues. Bring up ethical issues that concern you (in confidence) as they come up in the course of your career.

On Being A Scientist: Third Edition, 2009 Committee on Science, Engineering and Public Policy, National Academies

This free PDF was downloaded from: http://www.nap.edu/catalog/12192.html



HARVARD

School of Engineering and Applied Sciences



Responsible Conduct of Research

"The scientific enterprise is built on a foundation of **trust**. Society trusts that scientific research results are an honest and accurate reflection of a researcher's work. Researchers equally trust that their colleagues have gathered data carefully, have used appropriate analytic and statistical techniques, have reported their results accurately, and have treated the work of other researchers with respect."



Researchers' Obligations

- To other researchers: Honor the trust their colleagues place in them
- To oneself: Adhere to professional standards – build personal integrity
- To the public: Act in ways that serve the public



Definitions

Scientific Misconduct

Fabrication, falsification or plagiarism in proposing, performing, or reviewing research or in reporting research results

Questionable Research Practices

Violation of standards other than fabrication falsification or plagiarism { discipline specific e.g. openness in sharing research materials, fairness in reviewing, honesty and respect for colleagues }



Definitions

Scientific Misconduct

Fabrication, falsification or plagiarism in proposing, performing, or reviewing research or in reporting research results — a significant departure from accepted practices, committed intentionally, knowingly or recklessly; proven by a preponderance of the evidence

NOT a difference of opinion



Responsible Conduct of Research

- Advising and Mentoring
- Treatment of Data
- Mistakes and Negligence
- Research Misconduct
- Responding to Suspected Violations of Professional Standards
- Human Participants and Animal Subjects



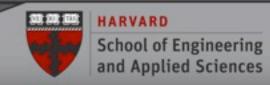
Responsible Conduct of Research

- Laboratory Safety in Research
- Sharing of Research Results
- Authorship and the Allocation of Credit
- Intellectual Property
- Competing Interests, Commitments and Values
- The Researcher in Society



Research Policies at Harvard

- http://www.provost.harvard.edu/ policies_guidelines/
- http://www.fas.harvard.edu/~research/policy/ index.html



Harvard GSAS resources



http://www.gsas.harvard.edu/ current_students/ what_to_do_if_you_need_help.php

http://www.gsas.harvard.edu/current_students/scholarly_pursuits_2.php

