

# Responsible Conduct of Research

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# Responsible Conduct of Research

- Purpose
  - The purpose of the Graduate School RCR program in association with the Office of Vice President of Research is to:
    - promote and sustain an environment of academic honesty and research integrity by cultivating and maintaining a Responsible Conduct of Research environment for all graduate students, staff, and faculty, at Purdue University.

# Responsible Conduct of Research topics

- Roles and Responsibilities (mentor/trainee)
- Research Misconduct/Integrity
- Data Collection and Management
- Authorship, Publications
- Intellectual Property
- Conflict of Interest and commitment
- **Compliance Requirements (OVPR office)**

## Compliance Requirements

- Protecting Human Research Subjects
- <http://www.irb.purdue.edu/>
- Animal Care and Use
- <http://www.purdue.edu/Research/vpr/compliance/animals/index.shtml>
- Bio-hazards and rDNA
- <http://www.purdue.edu/Research/vpr/compliance/rDNA/index.html>
- Radiation or Lasers
- <http://www.purdue.edu/Research/vpr/compliance/radiationorlasers/index.html>

## Compliance Requirements

- Freedom of Inquiry
- <http://www.purdue.edu/Research/vpr/compliance/inquiry/index.html>
- Export Control regulations
- <http://www.purdue.edu/Research/vpr/compliance/exportregulations.html>

## Responsible Conduct of research

- What does it mean?
- It simply means that one is honest in his/her academic and research endeavors and continually strives to do the right thing.
- It means that you maintain the best and highest standards while engaging in research
- Responsible Conduct of Research does not end with graduate study at Purdue University - this frame of mind and method for action should carry on all along one's career and life.

## Why is RCR important?

- Obvious Reasons:
  - For Scientist's reputation and success
  - For Department's and University's reputation
  - For Graduate student retention and successful graduation
  - For Funding
  - For Avoiding Emotional stress

## Consequences of Misconduct

- Example : Revoking dissertations (Ohio University case)
- <http://www.ohio.edu/outlook/05-06/May/533n-056.cfm>
- Reputation and success is impaired
- Costly process for everybody involved
- Education and Prevention is better

## **RCR web site**

**[www.gradschool.purdue.edu/rcr/](http://www.gradschool.purdue.edu/rcr/)**

- **Policies**
- **Resources**
- **NSF RCR training module**
- **CITI-RCR training module – coming soon!**

## CITI-RCR online training

- Will be available soon
- <https://www.citiprogram.org/References.asp?intReferenceID=27167>
- Advantages:
  - Updated regularly
  - Can print a course completion report (this can be sent to Instructors/Funding Agencies/Schools etc., directly)
  - In addition to the six general RCR topics, it will have special modules for:
    1. **Physical Sciences and Engineering**
    2. **Biomedical Sciences**
    3. **Social and Behavioral sciences**
    4. **Arts and Humanities**