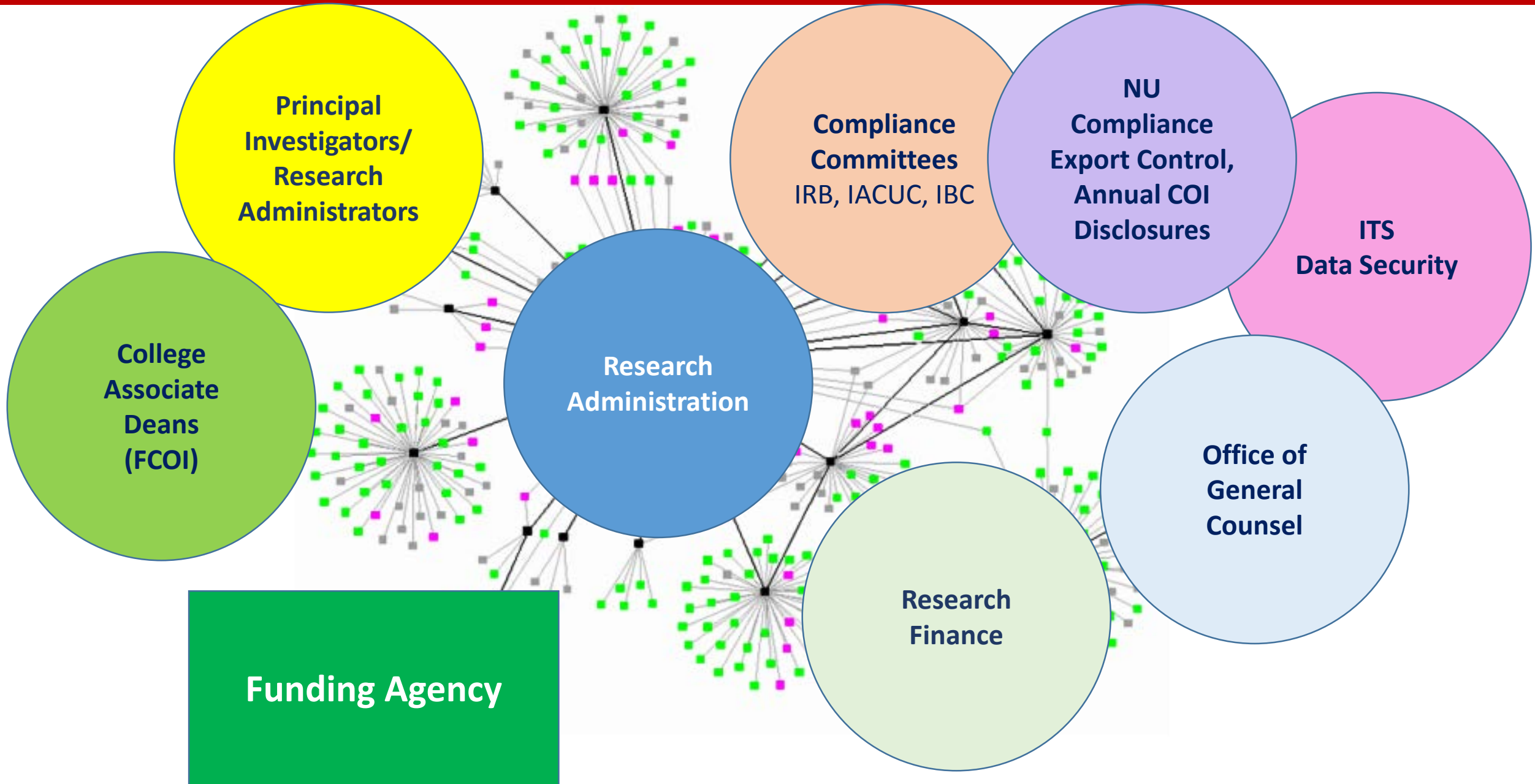


**Learn More: Award  
Acceptance and  
Responsible Conduct of  
Research**

## Learning Objectives

- **Understand Research Administration's role in verifying that investigators and Northeastern University have complied with the awarding agency's requirements related to the Responsible Conduct of Research.**
- **Understand the process used by RA to verify RCR requirements once the award has been acceptance; and**
- **How you can help facilitate the process.**

# Northeastern University



## Institutional Certifications and Assurances

- **Northeastern University, as a grantee, provides at the time of proposal submission and throughout the life-cycle of an award certification and assurances that it is in full compliance with all relevant laws, rules and regulations.**
- **How each grantee implements its research management responsibilities varies but all grantees should include documented practices that address specific regulatory requirements.**
- **Some regulations required that the grantee monitor the covered activity; monitoring involves verification and tracking of compliance with a specific term or condition of the award.**

## RESPONSIBLE CONDUCT OF RESEARCH

Funding Agencies require that Institutions (grantees) receiving awards have in place policies and procedures to safeguard the integrity of scientific research.

NSF and NIH's implementation of the 2007 America COMPETES Act mandates RCR training.

RCR training is designed to promote ethical research, encourage best practices and increase an investigator's understanding of the regulatory standards applicable to research.

## RCR PRINCIPLES

- ✓ Integrity
- ✓ Honesty
- ✓ Accuracy
- ✓ Efficiency
- ✓ Objectivity



## RESPONSIBLE CONDUCT OF RESEARCH

A researcher's responsibilities are complex; guidance can be found in professional codes, governmental regulations, and Northeastern University's policies.

NU's RCR Policy: <http://www.northeastern.edu/research/responsible-conduct-of-research/nsf-rcr-policy/>

RCR Plan: <http://www.northeastern.edu/research/responsible-conduct-of-research/rcr-training-plan/>

CITI RCR Training: <https://www.citiprogram.org/>

## RCR Requirements

|                        | NSF  | NIH  |
|------------------------|--|--|
| Applicable to:         | Research Awards (not academic awards) support students and p | NRSA, Career Development, Dissertation, Research & Education Awards<br><br><a href="http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-122.html">http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-122.html</a> |
| RCR Plan               | Yes, prepared at time of proposal.                           | Yes, included in the grant application; IDPs   |
| RCR Training Completed | w/I 60 days of receiving support on an NSF award             |  |
| Refresher Courses      |  | Every 4 years  |
|                        |  |  |



# RESPONSIBLE CONDUCT OF RESEARCH

RCR training includes 9 foundational courses:

1. Mentor/Trainee Responsibilities
2. Research Ethics/Research Misconduct
3. Human Subjects
4. Animal Subjects
5. Conflicts of Interest & Commitment
6. Collaborative Science
7. Data Acquisition, Management
8. Authorship
9. Peer Review

Field-specific RCR training will vary

## Mentor/Trainee

The goal of research training is to produce the next generation of productive, independent investigators.

PIs are responsible for preparing RCR training plans and individual development plans (IDPs).

## Sample RCR/Mentoring Plans

- [CSU Postdoctoral Researcher Mentoring Plan](#) (NSF)
- [Harvard Postdoctoral Research Mentoring Plan](#) (NSF)
- [FASEB](#) (NSF)
- [CSU Fellowship](#) (NIH)
- [Stanford University Fellowship](#) (NIH)
- [Washington University Fellowship](#) (NIH)

# CITI Training – RCR Training Course

**NU's RCR Training is via CITI**

<https://www.citiprogram.org/>



## CITI Training – RCR Training Course

- **Biomedical RCR**
- **Social and Behavioral RCR**
- **Physical Science RCR**
- **Humanities RCR**
- **RCR for Engineers**



# CITI Training – RCR Training Courses



The screenshot shows the CITI Program website interface. A large red arrow points from the left towards the 'Register' button in the 'Create an account' section. Below the arrow, there are three main navigation buttons: 'COURSES', 'CMEs/CEUs', and 'LEARN MORE'. At the bottom, there are two links: 'CITI PROGRAM ANNOUNCEMENTS' and 'HELP & SUPPORT'.

**Step #1: Register**

Log in through my institution  
Log in via SSO

Create an account  
Register

Access requires registration as an affiliate of a subscribing CITI institution or as an unaffiliated learner.

**COURSES**

**CMEs/CEUs**

**LEARN MORE**

**CITI PROGRAM ANNOUNCEMENTS**  
Special pricing on Protocol Builder® for our Institutional Subscribers

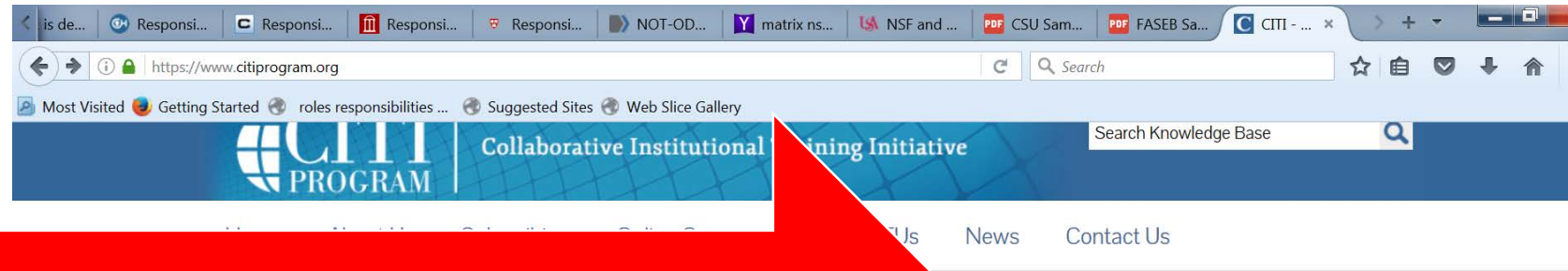
**HELP & SUPPORT**  
How do I register?

# CITI Training – RCR Training Courses



**Step #2: Watch for email Confirmation**

# CITI Training – RCR Training Courses



**Step #3: Log in CITI**



Over 9 million CITI Program courses have been completed since 2000





## CITI Training – RCR Training Courses

**Step #4:  
Add a Course**

The screenshot shows the CITI Program website interface. At the top, there is a navigation bar with the CITI PROGRAM logo and the text 'Collaborative Institutional Training Initiative'. Below this is a search bar and a main menu with links for 'Main Menu', 'My Profiles', 'My CEUs', 'My Reports', and 'Support'. The user's name 'Dana Carroll' and ID '5835709' are displayed in the top right corner. The main content area features a table of courses under the heading 'Northeastern University Courses'. The table has columns for 'Course', 'Status', 'Completion Report', and 'Survey'. A row is visible for 'Conflict of Interest' with a status of 'Passed 09/18/2016' and options for 'View/Print' and 'Share'. Below the table is a section titled 'My Learner Tools for Northeastern University' which contains a list of actions: 'Add a Course', 'Remove a Course', 'View Previously Completed Coursework', 'Update Institution Profile', 'View Instructions page', and 'Remove Affiliation'. At the bottom, there are two buttons: 'Click here to affiliate with another institution' and 'Affiliate as an Independent Learner'.

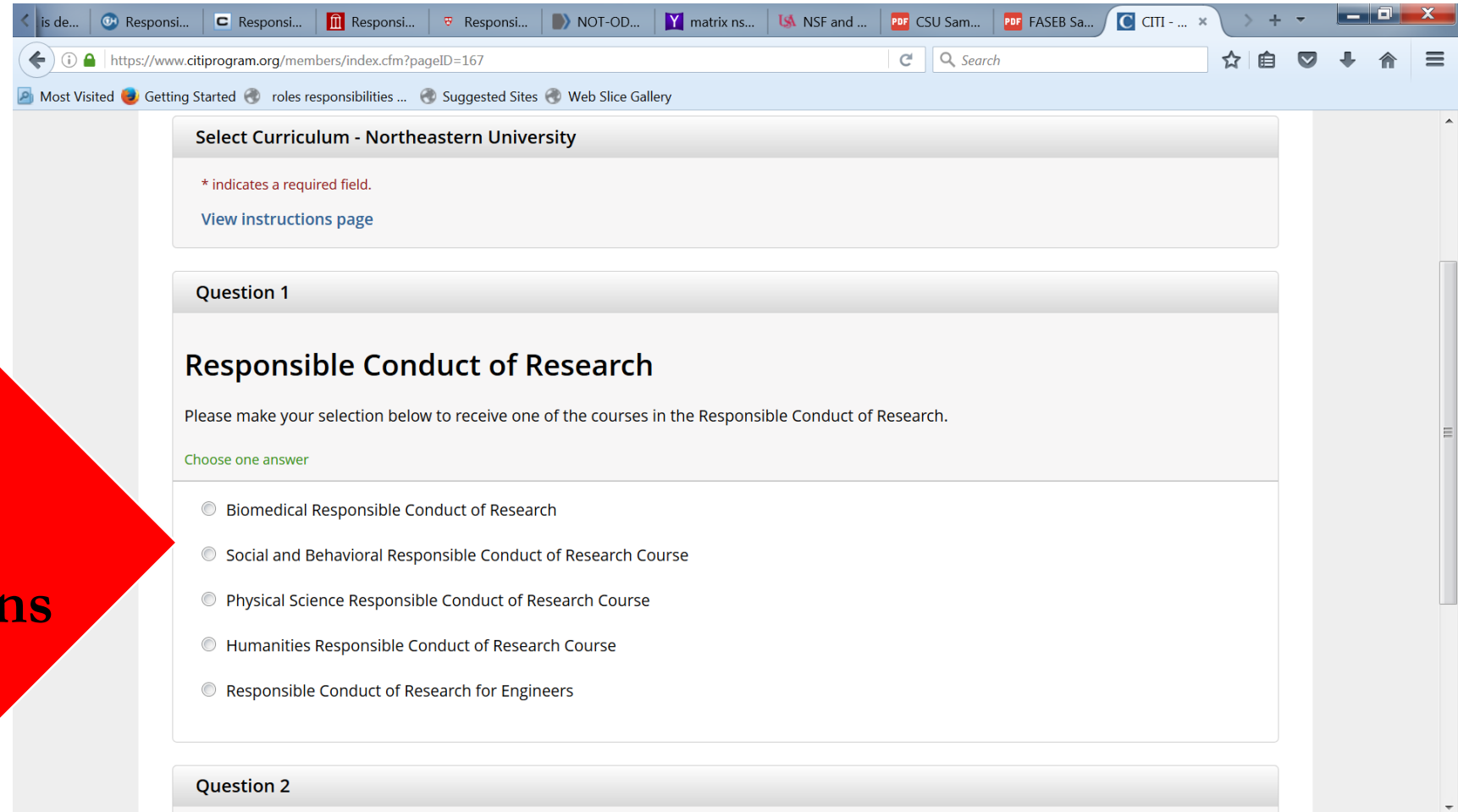
| Course               | Status               | Completion Report   | Survey                 |
|----------------------|----------------------|---------------------|------------------------|
| Conflict of Interest | Passed<br>09/18/2016 | View/Print<br>Share | Post-course evaluation |

- My Learner Tools for Northeastern University
  - Add a Course
  - Remove a Course
  - View Previously Completed Coursework
  - Update Institution Profile
  - View Instructions page
  - Remove Affiliation

Click here to affiliate with another institution

Affiliate as an Independent Learner

# CITI Training – RCR Training Courses



The screenshot shows a web browser window with the URL <https://www.citiprogram.org/members/index.cfm?pageID=167>. The page title is "Select Curriculum - Northeastern University". Below the title, there is a note: "\* indicates a required field." and a link: "View instructions page". The main content area is titled "Question 1" and "Responsible Conduct of Research". It asks the user to "Please make your selection below to receive one of the courses in the Responsible Conduct of Research." and provides the instruction "Choose one answer". There are five radio button options listed:

- Biomedical Responsible Conduct of Research
- Social and Behavioral Responsible Conduct of Research Course
- Physical Science Responsible Conduct of Research Course
- Humanities Responsible Conduct of Research Course
- Responsible Conduct of Research for Engineers

Below this section is the start of "Question 2".



# CITI Training – RCR Training Courses

Complete the Integrity Assurance Statement before beginning the course

| Elective Modules  | Date Completed | Score    |
|---|----------------|----------|
| Research Misconduct (RCR-Basic) (ID: 16604)   | Incomplete     | 0/0 (0%) |
| Authorship (RCR-Basic) (ID: 16597)  | Incomplete     | 0/0 (0%) |
| Peer Review (RCR-Basic) (ID: 16603)   | Incomplete     | 0/0 (0%) |
| Conflicts of Interest (RCR-Basic) (ID: 16599)   | Incomplete     | 0/0 (0%) |
| Environmental and Social Dimensions of Engineering Research (RCR-Engineering) (ID: 12835) | Incomplete     | 0/0 (0%) |
| Mentoring (RCR-Basic) (ID: 16602)   | Incomplete     | 0/0 (0%) |
| Data Management (RCR-Basic) (ID: 16600)   | Incomplete     | 0/0 (0%) |
| Collaborative Research (RCR-Basic) (ID: 16598)  | Incomplete     | 0/0 (0%) |
| Using Animal Subjects in Research (RCR-Basic) (ID: 13301)                                 | Incomplete     | 0/0 (0%) |
| Research Involving Human Subjects (RCR-Basic) (ID: 13566)                                 | Incomplete     | 0/0 (0%) |
| Northeastern University (ID: 13880)   | Incomplete     | 0/0 (0%) |

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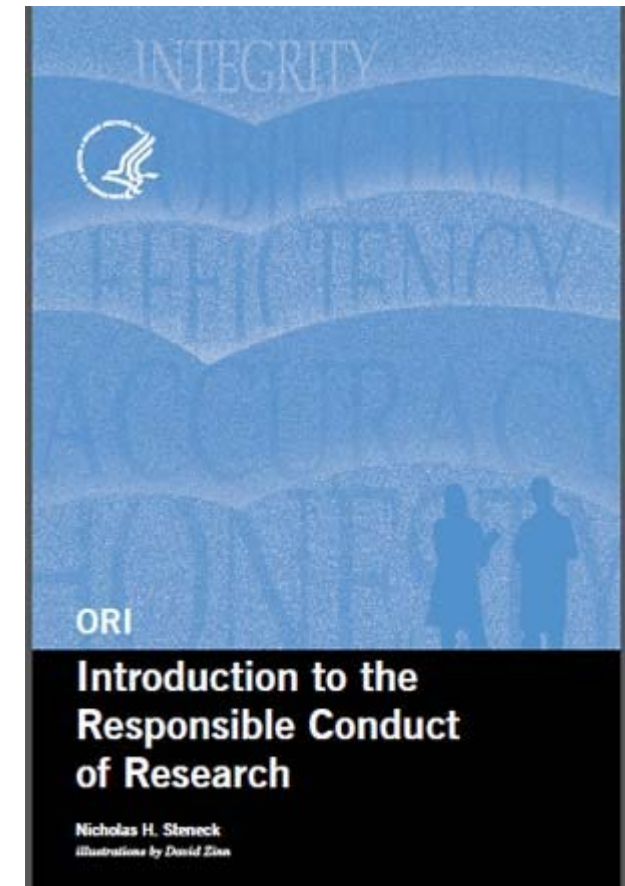
## RESEARCH ADMINISTRATION

- ✓ Review each FOA to determine if RCR requirements apply;
- ✓ At time of award acceptance advise PI of RCR requirements; and
- ✓ Throughout the award verify and track RCR compliance.

## Additional Resources

*"On Being a Scientist,"* which is available online at [http://books.nap.edu/catalog.php?record\\_id=12192](http://books.nap.edu/catalog.php?record_id=12192).

*"Introduction to the Responsible Conduct of Research"* which is available online at <http://ori.hhs.gov/sites/default/files/rcrintro.pdf>



For more information please contact Research Administration via [ORAF@northeastern.edu](mailto:ORAF@northeastern.edu) or 617-373-5600.

**Thank you.**