



COLUMBIA UNIVERSITY

GRADUATE SCHOOL OF ARTS & SCIENCES

Institutional Approaches to Research and Scholarly Integrity

Columbia University

Graduate School of Arts and Sciences

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This project is supported with generous funding and assistance from:

The Council of Graduate Schools, Debra W. Stewart, President; Daniel Denecke, Program Director; and Julia Kent, Program Manager

Office of Research Integrity, U. S. Department of Health and Human Services, Loc Nguyen-Khoa, Program Officer and Director of Online Education and Communication



Columbia's RCR/PSI research climate survey and activities focus on:

- 3,486 Ph.D. Students in 60 Programs
- 6,187 Master's Students in 104 Programs
- 783 Post-Doctoral Fellows
- 1,812 Faculty, Research Staff, and Officers



We used a multi-level model....

University-wide

- GSAS-sponsored workshops
- Web site
- Advisory Board
- The Academic Ethicist column

Departments/programs

- RFA to fund departmental conferences

Faculty

- RFA to fund course with a focus on RCR (develop new or modify existing course)

Students

- Research Ethics Fellows



RCR and SI Content at Columbia

- Data acquisition, management, sharing, and ownership
- Conflict of interest and commitment
- Research on human subjects
- Animal welfare
- Avoidance of research misconduct
- Publication practices and responsible authorship (including avoiding plagiarism)
- Mentor/trainee responsibilities
- Peer review
- Collaborative science
- Communicating research and scholarship to popular press and non-academic audiences
- Managing grant and contract budgets
- Academic integrity
- Responsible conduct in teaching



GSAS RCR/PSI Training Workshops, 2009-2010

- Ethical and Legal Issues in Teaching
- Authorship, Credit, and Collaborative Scholarship and Research: Ethical Pitfalls to Avoid
- Intellectual and Other Conflicts of Interest: Your Rights and Responsibilities
- Intellectual Property Rights, Copyright, and Fair Use in Teaching and Research
- Data Integrity and Management: Avoiding Problems and Pitfalls
- On Being an Expert: Using Your Research in Consulting and Courtrooms
- Ethical Issues in Access and Use of Scholarly Materials
- Avoiding Research Misconduct with Images and Statistical Reporting
- The Art, Science, and Ethics of Negotiations
- Informed Consent with Special Populations
- Doing the Right Thing: What Every Graduate Student Should Know about Research Misconduct

Certificate of Participation

GSAS Certificate of Participation: Responsible Conduct of Research and Scholarly Integrity

On Being an Expert: Using Your Research in Consulting and Courtrooms

April 28, 2010, 301 Philosophy Hall

Thank you for attending our event today. If you would like your participation to be counted toward your total hours to receive a Certificate in Responsible Conduct of Research and Scholarly Integrity, please complete this page and return it at the end of today's session

Name

Department/Program

Are you: Master's student? PhD Student? Post-Doc? Other? _____

1. What were the three most helpful things you learned in today's session (or most surprising or most important)?
2. What did you learn in today's session that you will begin to put into practice?
3. What did you learn in today's session that you have questions about or would like more information about?
4. What other topics or issues should we address in future events or with print or web resources about scholarly integrity or responsible conduct of research?
5. Is there anything else you want us to know? Feel free to use the back of this form or e-mail ja2310@columbia.edu.



Department/Program Activities

- Anthropology Speaker Series: Ethical Issues in the Treatment of Human Remains
- Biological Sciences Speaker: *The Immortal Life of Henrietta Lacks* (Rebecca Skloot, Author)
- English Department Conference: Responsible Research and Scholarship in Disability Studies



Faculty Activities

Course Revisions in Departments of

- English
- Middle East, South Asian, and African Studies
- Pathology and Cell Biology

Student Initiated Projects in RCR and SI at Columbia

- Applied Math and Applied Physics (*“Preventing Cheating”*)
- Biological Sciences (*“Ethics in Communicating Science to Non-Academic Audiences”* and *“Roles and Responsibilities of Advisors, Supervisors, and Mentors”*)
- Biomedical Informatics (*“Organizing Your Mentor for Effective Survival Skills Training”*)
- Cellular, Molecular, Structural, and Genetic Studies (*“Intellectual Conflict of Interest in Peer Review”*)
- Chemical Engineering (*“Communication and Conflict in Mentoring Relationships”*)

Student Initiated Projects in RCR and SI at Columbia

- English (*“Research and Publishing Practices”*)
- French (*“Mentoring”*)
- Genetics and Development (*“Data Management and Ownership”*)
- Philosophy (*“Publishing Practices”*)
- Political Science (*“Supervision and Mentoring”*)
- Slavic (*“Authorship and Collaborative Scholarship”*)
- Sociology (*“Advising, Supervising, and Mentoring Relationships”*)



RCR Partnerships

New collaborations with

- The Office of Research
- Columbia Libraries
- Center for New Media, Technology, and Learning
- Teaching Center



What the Deans Learned...

- Students report mentoring as the overarching ethical issue.
- Students value engagement with their graduate deans in RCR conversations.
- Students long for conversations with their own faculty.
- Students fear questioning their advisor.
- Students recognize the need for RCR information and guidance.



We thank our fellow Project Directors:

- ❖ Emory University
 - Lisa Tedesco, Dean
- ❖ Michigan State University
 - Karen Klomparens, Dean
- ❖ The Pennsylvania State University
 - Eva Pell, Dean, and Henry Foley, Dean
- ❖ University of Wisconsin-Madison
 - Martin Cadwallader, Dean
- ❖ University of Alabama at Birmingham
 - Bryan Noe, Dean
- ❖ University of Arizona
 - Andrew Comrie, Dean



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<http://www.columbia.edu/cu/gsas/sub/project/research/main/>

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Project for Scholarly Integrity and Responsible Conduct of Research

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Project for Scholarly Integrity and Responsible Conduct of Research



The Project for Scholarly Integrity and Responsible Conduct of Research in the Graduate School of Arts and Sciences, Columbia University, has been developed with funding from the [Council of Graduate Schools](#) and the [Office of Research Integrity](#) (U.S. Department of Health and Human Services). PSI and RCR activities, including workshops, research, and funding opportunities for graduate students, post-doctoral fellows, faculty, and graduate programs, are listed here. Please send questions and requests for more information to PSI@columbia.edu.

Funding/Requests for Proposals

[RFPs for graduate students and post-docs](#)

[RFPs faculty](#)

[RFPs for departments](#)

Research Ethics Fellows

Congratulations to these GSAS students and Columbia Post-doctoral Fellows who have been appointed with funding as Research Ethics Fellows for 2009-2010.

- Kathryn Abele, Biological Sciences
- Justine Barry, Biological Sciences
- Nicholas Hoell, Applied Physics and Applied Mathematics
- Patrice Howard, Political Science
- Alex Kushnir, Cellular, Molecular, and Biophysical Studies
- Christopher Lynch, Biological Sciences
- Nili Ostrov, Chemistry

Columbia's approach to developing more comprehensive and integrated Responsible Conduct of Research (RCR) and Scholarly Integrity (SI) training

