RCR Education: Resources

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Resources

1. Books
2. Websites
3. Courses
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5. Organizations
6. Money
Books

- National Academies of Science, 1995
- Barnbaum and Byron, 2001
- Shamoo and Resnik, 2002
- Bulger et al., 2002
- Steneck, 2004
- Macrina, 2005
Books

National Academies of Science (1995): On Being a Scientist: Responsible Conduct in Research

- Social Foundations of Science
- Values in Science
- Data Management
- Conflicts of Interest
- Publication
- Authorship and Credit
- Error and Negligence
- Misconduct
- Social Responsibility
Books


- Overview
- Ethical theories and principles
- Ethics and study design
- Use of human and animal research subjects
- Data management
- Conflicts of interest
- Research misconduct
Books


- Research ethics
- Use of animal and human subjects
- Data management
- Conflicts of interest
- Collaboration and authorship
- Publication and peer review
- Genetics
- Research misconduct
- Science and society
Books


- Ethics and integrity
- Responsible conduct of research
- Use of human and animal subjects
- Data management
- Authorship and publication
- Collaboration
- Science and society
Books

Steneck NH (2004): ORI *Introduction to the Responsible Conduct of Research*.

- Shared values
- Use of human and animal subjects
- Data management
- Conflicts of interest
- Authorship and publication
- Peer review
- Collaboration
- Mentoring
- Research misconduct
Books


- Responsible conduct of research
- Ethical theories and reasoning
- Use of animal and human subjects
- Data ownership and recordkeeping
- Conflicts of interest
- Authorship and peer review
- Collaboration
- Mentoring
- Genetics
Websites

- ORI
- NIH
- RCREC
- bioethics.net
- CWRU
- UCSD
Websites

ORI

- http://ori.hhs.gov

RCR Education Products

- General Subject Areas
- Human Subjects
- Animal Subjects
- Data Management
- Conflicts of Interest
- Authorship and Publication
- Peer Review
- Collaboration
- Mentoring
- Research Misconduct

Points for Discussion
Websites

NIH - Bioethics


- “The listed resources provide background information and various positions on issues in bioethics”
  - Bioethics and the NIH
  - Other Federal Resources
  - General Resources
Websites

RCREC: RCR Education Resources

http://rcrec.org/r
Websites

bioethics.net

- http://bioethics.net
- Home of the American Journal of Bioethics
- Bioethics Resources
  - News stories
  - Introductory material on bioethics
  - Conduct of research
  - Selected topics in bioethics
Websites

Case Western Reserve University

http://onlineethics.org
Websites

UC San Diego - Research Ethics Program

http://ethics.ucsd.edu
Publications

- Science and Engineering Ethics
- Accountability in Research
- Hastings Center Report
- American Journal of Bioethics
- The Journal of Research Administration
Publications

Science and Engineering Ethics

http://www.opragen.co.uk

“A multi-disciplinary quarterly journal, launched in 1995, exploring ethical issues confronting scientists and engineers.”
Publications

Accountability in Research

http://www.tandf.co.uk/journals/titles/08989621.asp

“The journal publishes original empirical, methodological, policy and theoretical papers, cases studies, conference reports and book reviews that address issues of integrity and accountability in research.”
Publications

Hastings Center Report

- [http://www.thehastingscenter.org](http://www.thehastingscenter.org)

- “Promoting thoughtful, balanced reflection on the ethical and social issues of medicine and medical science.”
Publications

American Journal of Bioethics

- [http://www.bioethics.net/journal](http://www.bioethics.net/journal)

- “Each issue of AJOB includes Target Articles that zero in on a pressing problem in healthcare or biomedical science, followed by Open Peer Commentary articles written about the Target Article by scholars in many disciplines.”
Publications

The Journal of Research Administration

- [http://www.srainternational.org/newweb/publications/journal](http://www.srainternational.org/newweb/publications/journal)

- The Journal “serves to provide articles covering the changing research environment worldwide, and to highlight quality and innovation in research administration.”
Publications

Journal of Empirical Research on Human Research Ethics

- [http://www.csueastbay.edu/JERHRE](http://www.csueastbay.edu/JERHRE)

- The Journal “publishes empirical research and reviews of empirical literature on human research ethics…In addition, JERHRE seeks to create collaboration among institutions and researchers concerned about the responsible conduct of research.”
Courses

- RCREC Course
- Columbia Tutorial
- CITI
Courses

RCREC Internet Course

- [http://rcrec.org/resources](http://rcrec.org/resources)

*Responsible Conduct of Research Internet Instruction*

- Animal Subjects
- Human Subjects
- Data Management
- Conflicts of Interest
- Authorship
- Publication and Peer Review
- Collaboration and Mentoring
- Research Misconduct
Courses

Columbia Internet Tutorials


Web-based RCR Tutorials

- Data Management
- Conflicts of Interest
- Authorship and Peer Review
- Collaboration
- Mentoring
- Research Misconduct
Courses

CITI: Collaborative Institutional Training Initiative

- [http://www.citiprogram.org](http://www.citiprogram.org)
- RCR Course to be released soon
Courses for Instructors

- Poynter Center
- University of Pittsburgh
- RCR Education Committee
Courses for Instructors

Kenneth Pimple, Poynter Center, Indiana University

Teaching Research Ethics

http://poynter.indiana.edu/tre

4 days
Courses for Instructors

Beth Fischer and Michael Zigmond, University of Pittsburgh

- Teaching Survival Skills and Ethics
  - [http://www.survival.pitt.edu/events/trainer.asp](http://www.survival.pitt.edu/events/trainer.asp)
- 5 days
Courses for Instructors

Francis Macrina, Michael Kalichman, RCREC

- Train-the-trainers
- [http://rcrec.org](http://rcrec.org)
- Custom programs
Organizations

- PRIM&R
- ASBH
- RCREC
- APPE
Organizations

Public Responsibility in Medicine & Research (PRIM&R)

- [http://www.primr.org](http://www.primr.org)
- PRIM&R “conferences, educational programs, and training resources” serve “the full array of individuals and organizations involved in biomedical and social science/behavioral/educational research”
American Society for Bioethics and Humanities (ASBH)

- [http://www.asbh.org](http://www.asbh.org)

ASBH “promotes the exchange of ideas and fosters multidisciplinary, interdisciplinary, and inter-professional scholarship, research, teaching, policy development, professional development, and collegiality among people engaged in clinical and academic bioethics and the medical humanities.”
Organizations

Responsible Conduct of Research Education Committee (RCREC)

- [http://rcrec.org](http://rcrec.org)

The RCREC, a standing committee of APPE, provides “leadership to the research community in identifying, developing, and promoting programs of education in the responsible conduct of research. This is accomplished by collaborations among institutions, organizations, and federal agencies that have roles and interests in the responsible conduct of research.”
Organizations

Association for Practical and Professional Ethics (APPE)

- http://www.indiana.edu/~appe

“The Association for Practical and Professional Ethics was founded … to encourage interdisciplinary scholarship and teaching of high quality in practical and professional ethics by educators and practitioners who appreciate the practical-theoretical aspects of their subjects.”
Money

- ORI
- NIH
- NSF
- Your institution
Money

ORI

- Resource Development Program: http://ori.hhs.gov/education/rdp.shtml
- RCR Program for Academic Societies: http://ori.hhs.gov/education/pas.shtml
NIH: Research On Ethical Issues In Human Subjects Research

3 Programs: R03, R21, R01


…/PA-06-368.html

…/PA-06-369.html
Money

NIH: Ethical, Legal and Social Implications (ELSI) Regular Research (R01) and Small Grant (R03) Programs


…/PA-04-051.html
NIH (with ORI): Research on Research Integrity

Money

NSF: Ethics Education in Science and Engineering (EESE)


EESE “considers proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports.”
Money

NSF: Science and Society (S&S)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5324

“S&S considers proposals that examine questions that arise in the interactions of engineering, science, technology, and society.” including Ethics and Values in Science, Engineering and Technology (EVS).
Money

[Your institution’s name here]

- How much could it cost?
- What’s it worth to your institution?
- How can you make the case?
For more information or a copy of this talk:

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