

**Resources Guide
For
Responsible Conduct of Research
At
Predominantly Undergraduate Institutions:
A Problem-Solving Workshop**

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Organizations:

Association for the Accreditation of Human Research Programs (AAHRPP) www.aahrpp.org

Association for Practical and Professional Ethics (APPE)
<http://www.indiana.edu/~appe/index.html>

Public Responsibility in Medicine and Research (PRIM&R) www.primr.org

Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC)
www.aaalac.org

Council on Undergraduate Research (CUR) <http://www.cur.org>

Health Care Compliance Association (HCCA) www.hcca-info.org
Offers a Research Compliance Academy, and certification in health care research compliance (CHRC)

The Hastings Center: A non-partisan research institution dedicated to bioethics and the public interest. Journal publications include: *Hastings Center Report* and *IRB – Ethics and Human Research*. Available online for free/or paper by subscription. www.thehastingscenter.org

National Academy for Engineering, Center for Engineering, Ethics, and Society (CEES)
<http://www.nae.edu/nae/enethicscen.nsf?OpenDatabase>. Includes an Online Ethics Center with training materials at: [OEC - Online Ethics Home](http://www.nae.edu/nae/enethicscen.nsf?OpenDatabase)

National Council of University Research Administrators (NCURA), Compliance and Predominantly Undergraduate Institutions (PUIs) Neighborhoods, www.ncura.edu

Poynter Center for the Study of Ethics and American Institutions at Indiana University, Teaching Research Ethics conference, <http://poynter.indiana.edu/tre/>

E-Lists and Newsletters:

Colleges of Liberal Arts – Sponsored Programs (CLASP)
<https://web.middlebury.edu/database/banner/blm/subscriptions/FindMember.aspx?filter=clasp>

IRB Discussion <http://www.irbforum.org/user/mail>

ORI Email List: <http://ori.hhs.gov/StayInformed/email.shtml>

ORI Newsletters: <http://ori.hhs.gov/publications/newsletters.shtml>

Report on Research Compliance, newsletter (paper and online) published by NCURA, NACUBO, and Atlantic Information Services, Inc. (cost: \$368-468))

Research Administrators listserv: <http://www.hrinet.org/>

Books and Handbooks:

ORI Introduction to Responsible Conduct of Research, by Nicholas Steneck, PhD. Downloadable version: <http://ori.hhs.gov/documents/rcrintro.pdf>;

Print version: <http://bookstore.gpo.gov/collections/ori-research.jsp>

National Academy of Sciences et al., *On Being a Scientist: Responsible Conduct in Research*. National Academy Press, third edition, 2009. Free on line at http://www.nap.edu/catalog.php?record_id=12192 , print copies available for purchase. Video to accompany text to be published soon.

ORI Handbook for Institutional Research Integrity Officers:

http://ori.hhs.gov/publications/rio_handbook.shtml

ORI Guidelines for Institutions and Whistleblowers: Responding to Possible Retaliation against Whistleblowers in Extramural Research http://ori.hhs.gov/documents/guidelines_whistle.pdf

Guidelines for the conduct of research within the Public Health Service:

http://ori.hhs.gov/documents/guide_conduct_research.pdf

(This is a nice, succinct statement of the basic principles of research ethics.)

PHS Guide for the Care and Use of Laboratory Animals

http://www.nap.edu/openbook.php?record_id=5140

Joan E. Sieber, *Planning Ethically Responsible Research: A Guide for Students and Internal Review Boards*. Sage Publications, 1992.

Creating an Infrastructure for Training in the Responsible Conduct of Research: The University of Pittsburgh's Experience. *Academic Medicine*, 81(2):119-127, February 2006

<http://www.academicmedicine.org/pt/re/acmed/abstract.00001888-200602000-00004.htm;jsessionid=LHxNyxWQShmYdKM49vIzIG2RDJrpnGQ4bt259Nt3tTjNtnL8Q11!523807009!181195628!8091!-1>

Training Materials:

The Collaborative Institutional Training Initiative (CITI) - www.citiprogram.org

On-line subscriber-based training in.

- Protection of Human Research Subjects Biomedical Focus
- Protection of Human Research Subjects Social and Behavioral Focus.
- Protection of Human Research Subjects Refresher
- Good Clinical Practice
- Health Information Privacy and Security Course (HIPS)
- Laboratory Animal Welfare for investigators and IACUC Members
- Responsible Conduct of Research (RCR) - Free

WebGURU: Guide to Research for Undergraduates, <http://www.webguru.neu.edu/index.php>.

Interactive web site that includes “information on all the technical aspects of undergraduate research including lab safety, record keeping, experimental design, data analysis, technical writing, oral presentations, intellectual property, etc”.

Center on Materials and Devices for Information Technology Research, Interactive Tutorials for Educational Institutions. www.responsible-research.org. Free.

US Dept. HHS, Office of Research Integrity (ORI), Peer Review Quick Guide: Detecting Common Mistakes and Considering Dilemmas in Peer Review.
http://www.ori.hhs.gov/education/products/niu_peerreview/index.htm

Research Conduct and Ethics Instruction Materials for use by the NIH Community
<http://www1.od.nih.gov/oir/sourcebook/ResEthicsCases/cases-toc.htm>
(includes useful case studies and links to reference materials)

Responsible Research <http://www.responsible-research.org/> funded by NSF

American Association for the Advancement of Science, Research Integrity Videos
<http://www.aaas.org/spp/video/>. Series of 5 9-minute video case studies with resource and discussion guides.

U.S. Dept of Health and Human Service Office of Research Integrity and the Center for Ethics and Values in the Sciences, In the Lab: Mentors and Students Behind the Scenes, DVD with Guide and Case studies.

ORI educational resources web page: <http://ori.hhs.gov/education/products/>
Follow the tabs at the top of the page for topical lists of materials.

NIH Office of Extramural Research Tutorial on Financial Conflicts of Interest
<http://grants2.nih.gov/grants/policy/coi/tutorial/fcoi.htm> (New: certificate capability)

PHS Policy on Human Care and Use of Laboratory Animals Tutorial
<http://grants1.nih.gov/grants/olaw/tutorial/index.htm>

Journals:

Accountability in Research – <http://www.tandf.co.uk/journals/titles/08989621.asp>

Ethics and Behavior – <http://www.tandf.co.uk/journals/titles/10508422.asp>

Journal of Empirical Research on Human Research Ethics –
<http://www.ucpressjournals.com/journal.asp?j=jer>

Science and Engineering Ethics –
<http://www.springer.com/philosophy/ethics/journal/11948#8085218705268172855>

ILAR Journal (Institute for Laboratory Animal Research) -
http://dels.nas.edu/ilar_n/ilarjournal/journal.shtml

Government Resources:

US Dept of Health and Human Services, Office for Human Research Protections (OHRP),
<http://www.hhs.gov/ohrp/>

NSF Grant Proposal Guide http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg

Office of NIH History, Timeline of Laws Related to the Protection of Human Subjects
http://history.nih.gov/about/timelines_laws_human.html - Includes links to key documents.

Office of NIH History, Timeline of Laws Related to Animal Subjects
http://history.nih.gov/about/timelines_laws_animal.html - Includes links to key documents.

HHS Office of Research Integrity, About ORI – History, <http://ori.dhhs.gov/about/history.shtml>

NIH Office for Laboratory Animal Welfare (OLAW) <http://grants1.nih.gov/grants/olaw/>

NIH Fact Sheet on the Benefits of Animals in Research
<http://science.education.nih.gov/AnimalResearchFS06.pdf>

USDA Animal Welfare Information Center (AWIC), <http://awic.nal.usda.gov>

NIH: HIPPA Privacy Rule, Information for Researchers <http://privacyruleandresearch.nih.gov>