

Scientific Integrity Bibliography and URL list

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Bulger, RE, Heitman, E, Reiser, SJ (eds.), *The Ethical Dimensions of the Biological and Health Sciences* 2nd Edition, Cambridge: Cambridge University Press, 2002,

(Note: Much of the required reading for the module is in this anthology. The volume is referred to below as Bulger et al. (2002).)

Required reading for Section 1

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Pigman, W, Carmichael, EB, 'An Ethical Code for Scientists', in Bulger et al. (2002), pp.97-99.

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University of Ulster Code of Practice for Professional Integrity in the Conduct of Research:

<http://www.ulster.ac.uk/research/rps/policy/integrity.phtml>

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American Physical Society's Guidelines for Professional Conduct

(<http://onlineethics.org/codes/APScore.html>)

Accessed September 2003

Code of Ethics of the American Society for Biochemistry and Molecular Biology :

<http://www.asbmb.org/asbmb/site.nsf/Sub/CodeofEthics?opendocument>

Accessed September 2003

The Chemist's Code of Conduct: <http://onlineethics.org/codes/ACSCode.html>
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BBSRC Statement on Safeguarding Good Scientific Practice:
http://www.bbsrc.ac.uk/funding/overview/good_practice.pdf
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Foot, Philippa (1978), *Virtues and Vices*, Oxford: Blackwell
Benn, Piers (1998), *Ethics* London: UCL Press
Blackburn, Simon (2001), *Being Good* Oxford: Oxford University Press
McNaughton, David (1988), *Moral Vision* Oxford: Blackwell
Thomson, Anne (1999), *Critical Reasoning in Ethics* London: Routledge
Beauchamp, Tom L & Childress, JF (2001), *Principles of biomedical ethics*, 5th ed. - Oxford : Oxford University Press.
Okasha, Samir (2002), *Philosophy of Science. A Very Short Introduction* Oxford: Oxford University Press
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Losee, John (2001), *A Historical Introduction to the Philosophy of Science* 4th ed. Oxford: Oxford University Press
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Chalmers, AF (1999), *What is this thing called science?* 3rd ed. Buckingham: Open University Press

A note on the difference between accuracy and precision:

<http://www.theweatherprediction.com/habyhints/246/>

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<http://www.utm.edu/research/iep/e/ethics.htm#Metaethics> (Internet Encyclopedia of Philosophy entry on ethics)

Accessed September 2003

<http://www.utm.edu/research/iep/s/soc-cont.htm> (Article on social contract theory)

Accessed September 2003

Jonathan Swift: *Gulliver's Travels*, Part III, Chapter V:.

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Required reading for Section 2

Reiser, SJ, 'The Ethics Movement in the Biological and Health Sciences: A New Voyage of Discovery' in Bulger et al. (2002), pp.3-18.

The Nuremberg Code, in Bulger et al. (2002), pp.126-127.

'Summary Statement of the Asilomar conference on Recombinant DNA Molecules' in Bulger et al. 2002, pp.320-326.

Bulger, RE, 'Research with Human Beings', in Bulger et al. (2002), pp.117-125.

'The Belmont Report'. in Bulger et al. (2002), pp.128-138.

'The Belmont Report' also available at

<http://ohrp.osophs.dhhs.gov/humansubjects/guidance/belmont.htm>

(Accessed September 2003) and at

<http://ohsr.od.nih.gov/mpa/belmont.php3> (Accessed September 2003)

Heitman, E, 'Ethical Issues in Epidemiologic Research', in Bulger et al. (2002), pp.155-163.

Declaration of Helsinki, in Bulger et al. (2002), pp.148-151; also available, with an additional footnote, at the World Medical Association site:

<http://www.wma.net/e/policy/b3.htm> (Accessed September 2003)

Appelbaum, PS, et al., 'False Hopes and Best Data: Consent to Research and the Therapeutic Misconception' in Bulger et al. (2002), pp.139-147.

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Reprint of Henry K Beecher (1966), 'Ethics and Clinical Research' *New England Journal of Medicine* (with a short introductory article by Harkness et al.):

<http://www.who.int/docstore/bulletin/pdf/2001/issue4/vol79.no.4.365-372.pdf>

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Chalmers, D, and Pettit, P (1998), 'Towards a consensual culture in the ethical review of research' published on the Internet by *The Medical Journal of Australia*

<http://www.mja.com.au/>

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<http://www.mja.com.au/public/issues/jan19/chalmers/chalmers.html>

Accessed September 2003

Section 9 of Governance arrangements for NHS research ethics committees.

<http://www.doh.gov.uk/research/documents/gafrec.doc>

The University of Ulster's Research Ethical Committee's application form and guidance to applicants: <http://www.ulst.ac.uk/research/rps/policy/ethical.phtml>

The Belmont Report, in Bulger et al. (2002), pp.128-138 and at <http://ohrp.osophs.dhhs.gov/humansubjects/guidance/belmont.htm> and at <http://ohsr.od.nih.gov/mpa/belmont.php3>

Declaration of Helsinki, in Bulger et al. (2002) at pp.148-151 and with an additional footnote at the World Medical Association site: <http://www.wma.net/e/policy/b3.htm>

General information relating to NHS RECs: <http://www.corec.org.uk/index.htm>
(This web page has a link to the Standard NHS REC Application Form. To access the form you need first to download and install a piece of software called Office Forms Filler. Instructions for doing this are on the COREC site.)

Multi-centre Research Ethics Committees General guidance for researchers
<http://www.corec.org.uk/wordDocs/guideNotes.doc>

Directive 2001/20/ec of the European Parliament and of the Council of 4 April 2001:
http://europa.eu.int/eur-lex/pri/en/oj/dat/2001/l_121/l_12120010501en00340044.pdf

Michael K. Paasche-Orlow, M.D., M.P.H., Holly A. Taylor, Ph.D., M.P.H., and Frederick L. Brancati, M.D., M.H.S., (2003), "Readability Standards for Informed-Consent Forms as Compared with Actual Readability" *N Engl J Med* 2003;348:721-6.

2002 international ethical guidelines for biomedical research involving human subjects
<http://www.cioms.ch/>
http://www.cioms.ch/frame_guidelines_nov_2002.htm

Recommended and supplementary reading for Section 2

War Crimes, High altitude experiments
<http://www.ushmm.org/research/doctors/twoa.htm#A>
Accessed September 2003

The Development of Human Subject Research Policy at DHEW
http://tis.eh.doe.gov/ohre/roadmap/achre/chap3_2.html
Accessed September 2003

UK Department of Health document 'Governance arrangements for NHS research ethics committees':
<http://www.doh.gov.uk/research/documents/gafrec.doc>
Accessed September 2003

UK Research Governance Framework for Health and Social Care.
<http://www.doh.gov.uk/research/rd3/nhsrandd/researchgovernance.htm>

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Central Office for Research Ethics Committees, The Role of a Research Ethics Committee

<http://www.corec.org.uk/RoleofRECS.htm>

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<http://bmj.com/cgi/content/full/320/7243/1157>

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The Internet Resources on the Tuskegee Study:

<http://www.dc.peachnet.edu/~shale/humanities/composition/assignments/experiment/tuskegee.html>

Accessed September 2003

The text of President Clinton's apology:

<http://hsc.virginia.edu/hs-library/historical/apology/>

Accessed September 2003

The ACHRE Report

http://tis.eh.doe.gov/ohre/roadmap/achre/chap3_2.html

Accessed September 2003

<http://www.ushmm.org/research/doctors/twoa.htm#A>

Footnote to the Declaration of Helsinki:

<http://www.wma.net/e/policy/b3.html>

Report of World Medical Association workgroup (2003) on part of the Declaration of Helsinki:

http://www.wma.net/e/pdf/wg_doh_sept2003.pdf

The Human Genome Project Website

http://www.ornl.gov/TechResources/Human_Genome/elsi/elsi.html

MRC Policy and Procedure for Inquiring into Allegations of Scientific Misconduct (1997):

http://www.mrc.ac.uk/pdf-mis_con.pdf

Office of Human Research Protection site (US Department of Health and Human Services):

<http://ohrp.osophs.dhhs.gov/index.htm>

Royal Society statement on the use of animals in research

<http://www.royalsoc.ac.uk/files/statfiles/document-164.pdf>

The Animals (Scientific Procedures) Act 1986

<http://www.archive.official-documents.co.uk/document/hoc/321/321-xa.htm>

Guidance on the operation of the Act

<http://www.archive.official-documents.co.uk/document/hoc/321/321.htm>

Appendix on the ethical review process

<http://www.archive.official-documents.co.uk/document/hoc/321/321-xj.htm>

The Animals Procedures Committee:

<http://www.apc.gov.uk/>

Educational resources on animals in research

<http://anzccart.rsnz.govt.nz/index.html>

Australian and New Zealand Council for the Care of Animals in Research and Teaching (ANZCCART)

<http://www.rsnz.govt.nz/advisory/anzccart/index.php>

The Animal Welfare and Bioethics Centre at Massey University in New Zealand.

<http://animalwelfare.massey.ac.nz/>

Fund for the Replacement of Animals in Medical Experiments

<http://www.frame.org.uk/Links/Pro-contra.htm>

(This site gives useful links for arguments both for and against use of animals in research.)

Royal Society statement on the use of animals in research

<http://www.royalsoc.ac.uk/files/statfiles/document-164.pdf>

Russell, WMS, and Burch, RL, *Principles of Humane Experimental Technique* London: Methuen 1959. The text of the book can be found at the Alternatives to animal testing website:

http://altweb.jhsph.edu/publications/humane_exp/het-toc.htm

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Bulger, R.E. The work of the Academic Scientist. Appendix, in Bulger et al. (2002), pp.248-249 and pp.253-254.

University of California at San Francisco Brain Tumour Research Centre. 2000 Guidelines on Research Data and Report. San Francisco, CA: UCSF: 2000 in Bulger et al. (2002), pp.236-243

Neuhauser, D. 1986, Sharing Research Data, *Medical Care* 24 [10] pp879-880, reprinted in Bulger et al. (2002), pp.229-230

Jackson, H.M. Retention of and Access to Research Data in Bulger et al. (2002), pp.231-235

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Huth, E.J. Irresponsible Authorship and Wasteful Publication, in Bulger et al. (2002), pp.105-108

Mills, J.L. Reporting Provocative Results, in Bulger et al. (2002), pp.109-112
Office of Research Integrity, ORI Provides Working Definition of Plagiarism in Bulger et al. (2002), pp.113-114

Beecher, H (1966) Ethics and Clinical Research. *The New England Journal of Medicine* 274 (24) *p365-372 (available here - with 2 page introduction in front of it by Harkness et al.)

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Boyer, E.L. Enlarging the Perspective, *Scholarship Reconsidered: Priorities of the Professorate* Princeton, NJ: Carnegie Foundation, 1990, p15-25, reprinted in Bulger et al. (2002), pp.255-262

Krulwich, T.A. & Friedman, P.J. Integrity in the Education of Researchers, *Academic Medicine*, 1993; 68:S14-S18, reprinted in Bulger et al. (2002), pp.267-273

Bulger, R.E. (1988) The need for an ethical code for teachers of the basic biomedical sciences. *J.Med.Educ.* 63:131-133

Bulger, R.J. & Bulger R.E. [1991] Obstacles to Collegiality in the Academic Health Centre. *Bulletin of the New York Academy of Medicine* 68:304-307, reprinted in Bulger et al. (2002), pp.263-266

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Mishkin, B. (1995) Urgently needed: Policies on access to data by erstwhile collaborators *Science* 270:927-928

Fishbein, E.A. (1991) Ownership of research data. *Acad Med* 66:129-133

Stevens, A.R. (1997) Ownership and Retention of Data. The National Association of Colleges and University Attorneys and the National Council of University Research Administrators; available at <http://www.nacua.org> [\$8]

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International Committee of Medical Journal Editors. Uniform requirements for manuscripts submitted to biomedical journals. Available at <http://www.icmje.org>
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****‘ Advisor, Teacher, Role Model, Friend. On Being a Mentor to Students in Science and Engineering’** available at:
<http://www.nap.edu/readingroom/books/mentor>
[Accessed August 2003]