ETHICS IN RESEARCH WRITING AND PEER REVIEW

GOOD TO KNOW WHEN YOU WRITE YOUR LICENTIATE AND A PHD THESIS

Gordana Dodig-Crnkovic
Mälardalens University
ITS-EASY Workshop
Vienna, March 24-27, 2014

Peer Review, by AJC1, Flickr.com
PROFESSIONAL ETHICS AT MDH

http://www.mdh.se/hogskolan/organisation/namnder/radgivande-etisk-kommitte-1.1855 Advisory Ethics Board (Rådgivande etisk kommitté)

http://www.idt.mdh.se/kurser/cd5590/ Professional Ethics course

IMPORTANCE OF RESEARCH ETHICS

✧ Research ethics is not merely a concern for the individual participants (rules of conduct).

✧ Research ethics is a concern for the profession as a whole. A question of responsibility towards researchers and research community.

✧ Research ethics is even important for society.

✧ Research ethics is a subset of professional ethics.
SWEDISH RESEARCH COUNCIL
EXPERT GROUP FOR ETHICS

- http://www.vr.se/inenglish/ethics.4.69f66a93108e85f68d48000116.html

- http://www.epn.se/sv/start/startsida/Elikprüvningsnämnderna
ESF PUBLICATIONS

- The European Code of Conduct for Research Integrity
- European Peer Review Guide – Integrating Policies and Practices into Coherent Procedures
- Fostering Research Integrity in Europe

http://www.esf.org/nc/coordinating-research/mo-fora/publications.html?tx_ccdamdl_cart%5Badd%5D=17719
ON BEING A SCIENTIST

A GUIDE TO RESPONSIBLE CONDUCT IN RESEARCH

Committee on Science, Engineering, and Public Policy
NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF ENGINEERING, AND INSTITUTE OF MEDICINE OF THE NATIONAL ACADEMIES
THE NATIONAL ACADEMIES PRESS
Washington, D.C.

http://www.nap.edu/catalog.php?record_id=12192
OECD GLOBAL SCIENCE FORUM


🔗 OECD: ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT GLOBAL SCIENCE FORUM

🔗 Best Practices for Ensuring Scientific Integrity and Preventing Misconduct
MISCONDUCT IN RESEARCH

Misconduct in research (such as fabrication, falsification, and plagiarism) damages the scientific enterprise, is a misuse of public funds, and undermines the trust of citizens in science.

Recognizing that the issue affects all of these stakeholder communities and that, like science itself, the problem has a major international dimension, the OECD Global Science Forum sponsored an international consultation of government-designated officials and experts. On February 22-23, 2007, in Tokyo.
Scientific misconduct is the violation of the standard codes of scholarly conduct and ethical behavior in professional scientific research. A Lancet review on Handling of Scientific Misconduct in Scandinavian countries provides the following:

- Danish definition: "Intention or gross negligence leading to fabrication of the scientific message or a false credit or emphasis given to a scientist"

- Swedish definition: "Intention[al] distortion of the research process by fabrication of data, text, hypothesis, or methods from another researcher's manuscript form or publication; or distortion of the research process in other ways."

PUBLICERINGSETIK
(Stefan Eriksson & Gert Helgesson)

Presentation in Swedish:
Stefan Eriksson, docent i forskningsetik vid Uppsala universitet, håller en föreläsning om FORSKNINGSETIK
Dag: **den 7 april**
Sal: Case
Tid: 13.15-15.00

https://www.studentlitteratur.se/#33300-01
https://www.studentlitteratur.se/#produkt/110/41433/innehall/
PROMOTING RESEARCH INTEGRITY
IN A GLOBAL ENVIRONMENT

http://www.worldscientific.com/worldscibooks/10.1142/8102
Promoting Research Integrity in a Global Environment

Sample Chapters

✦ Introduction

✦ Section II: Research Integrity Structures
http://www.beck-shop.de/fachbuch/leseprobe/9789814340977_Excerpt_001.pdf

✦ Section III: Research Misconduct
PEER REVIEW AND MANUSCRIPT MANAGEMENT

http://books.google.se/books?id=cz3KZ--RajQC&printsec=frontcover&dq=peer+review+and+manuscript&hl=en&sa=X&ei=bzf4UsiLCM3bsgbwrIDgAg&ved=0CCwQ6AEwAA#v=onepage&q=peer%20review%20and%20manuscript&f=false
PEER REVIEW – NUTS AND BOLTS

DEGREE OF FORMALIZATION TOWARDS PEER REVIEW

ADEQUATE PEER REVIEW


- Open evaluation: a vision for entirely transparent post-publication peer review and rating for science

- Nikolaus Kriegeskorte*

- Medical Research Council, Cognition and Brain Sciences Unit, Cambridge, UK

- - See more at: [http://journal.frontiersin.org/Journal/10.3389/fncom.2012.00079/full#sthash.2nhOvvq0.dpuf](http://journal.frontiersin.org/Journal/10.3389/fncom.2012.00079/full#sthash.2nhOvvq0.dpuf)
GRAMMARLY is an automated proofreader and plagiarism checker. It corrects up to 10 times as many mistakes as other word processors.
The employer is responsible for taking action if suspicions of an employee’s misconduct arise. Statement of policy and procedure to be followed for dealing with an allegation of misconduct in research at MDH:

http://www.mdh.se/hogskolan/organisation/namnder/personalansvarsnamnden-1.185
http://www.mdh.se/hogskolan/organisation/namnder/radgivande-etisk-kommitte-1.1855 (in Swedish)
Baltimore case, in short
http://tech.mit.edu/V116/N55/baltimore.55n.html


David Baltimore
Swedish Research Council on ETHICS

- [http://www.vr.se/inenglish/ethics.4.69f66a93108e85f68d48000116.html](http://www.vr.se/inenglish/ethics.4.69f66a93108e85f68d48000116.html) Swedish Research Council ETHICS

PUBLICATIONS
- [http://www.vr.se/inenglish/ethics/publications.4.325716ea11d7602a6d180008726.html](http://www.vr.se/inenglish/ethics/publications.4.325716ea11d7602a6d180008726.html)

- Good Research Practice (2011)
- Guidelines: Expert Group for Investigation of Suspected Research Misconduct
- Conflict of interest policy
Possible Improvement:
MAKING RULES EXPLICIT

Sample Text for International Collaborative Research Projects

We, ( ), agree

to conduct our research according to the standards of research integrity, as defined in “investigating Research Misconduct Allegations in International Collaborative Research Projects: A Practical Guide” (www.oecd.org/sti/gsf) and other appropriate documents, including: (specify the national codes of conduct and disciplinary or national ethical guidelines that apply;
RESEARCH ETHICS RESOURCES

http://www.zim.mpg.de/openaccess-berlin/berlin_declaration.pdf Berlin Declaration on Open Access to Knowledge

http://www.icmje.org/urm_main.html Uniform Requirements for Manuscripts

http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2010_11_19/caredit.a1000111 Responsible Conduct of Research for Junior Researchers (Science, November 2010)
SWEDISH RESEARCH ETHICS
RESOURCES


http://www.vr.se/inenglish/ethics.4.69f66a93108e85f68d48000116.html  Research Ethics from Research Council
INTERNATIONAL RESOURCES

- European Science Foundation: Fostering Research Integrity in Europe, Strasbourg, ESF; 2010. www.esf.org


- http://www.esf.org/fileadmin/Public_documents/Publications/ResearchIntegrity_report.pdf European code of research integrity

INTERNATIONAL INSTITUTIONS

- UNESCO Global Ethics Observatory (GEObs)
  (The observatory is a system of databases with worldwide coverage in bioethics and other areas of applied ethics in science and technology such as environmental ethics, science ethics, and technology ethics. http://www.unesco.org/new/en/social-and-human-sciences/themes/global-ethics-observatory/)

- European Science Foundation (ESF) http://www.esf.org

- International Council for Science (ICSU)
  http://www.icsu.org
World Conferences on Research Integrity

- 4th World Conference on Research Integrity in Rio de Janeiro
  31 May - 3 June 2015

- 3rd World Conference on Research Integrity Montreal
  May 2013

- 2nd World Conference on Research Integrity Singapore
  July 2010

- 1st World Conference on Research Integrity in Lisbon,
  Portugal (Calouste Gulbenkian Foundation) September 2007
FOR DISCUSSION AND REFLECTION

- *Proactive* approach is more effective than *reactive* policies that rely on fear of punishment.

- Important to avoid ”witch hunt” and abuse of allegations of misconduct as a method to eliminate competitors. In case of allegations of misconduct it is necessary to proceed according to the well established practices and rules and to show respect for the personal integrity of a researcher.

- Finally, not to forget: *Quis custodiet ipsos custodes?* (Who guards the guardians? or Who watches the watchmen?) Most suitably *research community* that sets the standards of responsible conduct within a *given research field* should also influence the bodies that issue rules and policies.