Responsible Conduct of Research Workshop Series, 2018-2019

Scientific Communications and Authorship
-- October 4, 2018--
Swipe in, Swipe out = validation you attended full workshop

No swipe? I cannot give you credit

Bring your MSU ID card every time!
Academic Kindness

A record of unsolicited kindness, unexpected goodwill, and excessive generosity in academia.

Ask a question about academic kindness  Share a moment of unexpected academic kindness

http://academickindness.tumblr.com/
It’s so easy

I had been having a tough time with my PhD project, nothing seemed to be working; and as my advisor’s only student, I was feeling the pressure. I had had a particularly rough day and was near tears. Our lab was connected to our neighboring lab by an office I shared with one of their grad students. The other lab’s PI walked in and announced he was treating his lab to ice cream, saw me through the doorway, and invited me too. I just about cried at that small kindness. He later served on my committee for my prelim exam when one of my committee members went on sabbatical and his first question was about the previous night’s college basketball game to help me calm down.
The Office of Research Integrity

http://ori.hhs.gov/TheLab/

- KIM PARK, a third-year graduate student, who questions the use of her data by another researcher.
- HARDIK RAO, a postdoctoral researcher, who deals with the competitiveness in an up-and-coming lab while balancing the responsibilities of a home life.
- AARON HUTCHINS, a principal investigator, whose overwhelming responsibilities as a professor, researcher, and grant writer lead to his decline as a responsible mentor.
- BETH RIDGELY, a research administrator, who has accepted the role as the university’s Research Integrity Officer and must quickly learn how to handle allegations of research misconduct.
The Lab

- **Life Status: Talented and Promising.**
  - You're on your way to earning your PhD degree early and then on to a successful career as a scientist.
What do you want to do?

1. Tell him you need to read it
2. Just sign
What do you want to do?

1. Read the article
2. Skip reading and get to work

83% Read the article
17% Skip reading and get to work
What do you want to do?

1. Ask Greg about the article
2. Just let it go
3. Seek out more advice about what to do
MODULE 4: REPORTING; Authorship

To be listed as an author on a paper, you need to make a substantial intellectual contribution to the research that is described. Not all contributions are substantial enough to merit authorship. In the following activity, drag and drop the different types of contribution at the top of the screen into the appropriate column depending on whether you consider them to be substantial or not.
All authors should receive equal credit from and have equal responsibility for a published paper’s contents.

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
All authors should have equal responsibility for accuracy of data in a published paper.

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
All authors should have equal responsibility for a finding of plagiarism in a published paper.

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
All authors should have equal responsibility for falsification and fabrication of data in a published paper.

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
An author should always read original papers cited in a publication. **Why?**

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
Do all named authors share academic credit equally? Why?

What are the primary responsibilities of an author?

Do all named authors share these responsibilities equally? Why?
A person claiming authorship or being designated as an author of a creative endeavor should meet all of the following criteria:

- Participation in conception and design of the creative work, study, analysis or interpretation of any data.
- Participation in the drafting of the creative work or manuscript or in the editing of the creative work or manuscript.
- Final approval of the version of the creative work or manuscript to be published.
- Ability to explain and defend appropriate portions of the work or study in public or scholarly settings.

https://vprgs.msu.edu/announcement/msu-authorship-guidelines-updated
Have you published? How many publications do you list on your CV or Resume?

1. No
2. Yes, 1
3. Yes, 2
4. Yes, 3
5. Yes, 4-5
6. Yes, 6-8
7. Yes, 9-10
8. Yes, 10 or more

Research & Scholarly Integrity
Expected Number of Publications

- In your discipline, how many publications are needed by:
  - An undergraduate or master’s degree student seeking admission to a top doctoral program?
  - A doctoral student seeking admission to a top post-doctoral program?
  - A doctoral student seeking a job at a university or other setting?
  - An assistant or associate professor seeking reappointment, promotion, or tenure at MSU?

- How do you know? Where can you find this information?
"Ann Green (not her real name) spent seven years on her doctoral project at an East Coast university. In her mind, she had made a major breakthrough, the kind of discovery that could establish a career. When the results were finally published, she was missing from the list of authors. Her adviser ... had mysteriously risen to first author. Ms. Green's only appearance came in the acknowledgement section, where she was thanked for her 'generous advice.' ... ‘It wrecked my career. I went out into the world with no manuscripts behind me.’ In the meantime, she says, her adviser has been cited over and over for her research. According to Ms. Green, he has also used her data to secure $5-million in grants.”
What’s wrong with this?

☐ How do you deal with it?
Scientific Communication

- Professional Communication
  - Private, personal & confidential
  - Open for academic credit
  - Reasons to limit communications

- Are modes of professional communication different in different disciplines?
Do you have a profile in Social Networking sites? (multiple answers are allowed).

1. No
2. Facebook
3. LinkedIn
4. Both Facebook and LinkedIn
5. Others
Professional information about your research may be distributed through Social Network sites.

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Disagree
Which of the following are OK to list on your CV or Resume as publications? (multiple answers are allowed)

1. Social Networking notes
2. Personal blog
3. Dept seminar
4. Class paper
5. Professional Association paper
6. Book chapter
7. Journal article
Research/Scholarly Integrity Resources

- The Graduate School
  - [http://grad.msu.edu/researchintegrity/resources/](http://grad.msu.edu/researchintegrity/resources/)
  - Guidelines for Graduate Student Advising and Mentoring Relationships
  - Guidelines for Integrity in Research and Creative Activities
NEXT WORKSHOP

- Crediting the Works of Others and Avoiding Plagiarism
  - October 18, 2018
  - https://grad.msu.edu/rcr/