Approval from an Institutional Review Board (IRB)

For a general summary see: https://en.wikipedia.org/wiki/Institutional_review_board UR website: http://www.rochester.edu/ohsp/index.html

It is a federal law that all research activities must be reviewed by an IRB committee

What is the IRB, why is it important?

The Institutional Review Board (IRB) is an independent committee established to review and approve research involving human subjects. It protects the rights and welfare of the human subjects.

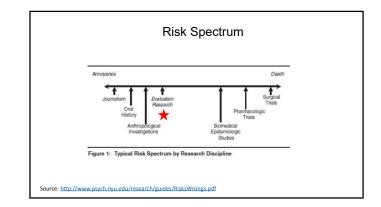
Make sure minimize chance of being physically injured or otherwise harmed (eg psychologically)

traumatized or deeply disturbed

humiliated (eg., lack of privacy)

feeling maliciously deceived or violated mistakenly participates in something that violates their personal principles (eg.,

evolution, race & gender issues, animal testing)



What is the IRB, why is it important?

The Institutional Review Board (IRB) is an independent committee established to review and approve research involving human subjects. It protects the rights and welfare of the human subjects. It's around 5 people, has to be diverse.

Make sure minimize chance of being physically injured or otherwise harmed (eg psychologically)

traumatized or deeply disturbed

- humiliated (eg., lack of privacy)
- feeling maliciously deceived or violated mistakenly participates in something that violates their personal principles (eg., evolution, race & gender issues, animal testing)

This is done by making sure the participant <u>understands</u> the research project: "Informed Consent" and the data are private: "Confidentiality"

How does the lab get IRB approval?

The PI and all staff/students complete ethics training and get certification to conduct research

The PI submits a protocol describing The credentials & IRB certification of the research team (all staff, students) The purpose of the research

The methods (task, stimuli, subject response, all measures and data)

The potential risks to the subject and protections against risks

The potential benefits of the research (treatment, knowledge)

The plan for keeping the data confidential

The methods for recruiting subjects (eg., flyers, online, schools, etc.) Characteristics of the subject population Process of consent and consent form

The protocol is reviewed by the IRB board to determine approval

What do you (undergraduate student) have to do to be IRB compliant?

- 1) Make sure there is an IRB protocol in your home lab that covers your experiment (ask your supervisor: PI/Post Doc/Grad Student/RA)
- 2) Read the IRB protocol to make sure you understand the rules and requirements, the content of the consent forms, and how you're allowed to recruit subjects (flyers, FB)
- 3) Take the online CITI training courses to receive individual certification to conduct human subjects research ("initial certification"): http://www.rochester.edu/ohsp/education/certification/initialCertification.html
- 4) Make sure your supervisor includes you as a researcher on the protocol (either by submitting a new protocol or amendment through ROSS): http://rsrb01.urmc.rochester.edu/rsrb

What do you (undergraduate student) have to do to be IRB compliant?

You cannot submit an IRB application without a faculty member's approval

> the faculty research advisor agrees to "accept ultimate responsibility for ensuring that this study complies with all the obligations listed above for the PI."

UR IRB Website (called RSRB instead of IRB but same thing) http://www.rochester.edu/ohsp/rsrb/

If you have questions about IRB approval that your supervisor can't answer, contact: BCS Specialist: Kathleen Buckwell Phone: 585-275-7446 Email: kathleen_buckwell@urmc.rochester.edu

Most (probably all) of the projects in this class are in the "minimal risk" category

> Minimal Risk: the probability and magnitude of harm or discomfort anticipated in the proposed research are not greater, in and of themselves, than those ordinarily encountered in daily life

Other levels are: "Greater than minimal risk biomedical"....drug testing, x rays, biopsies, etc. "Greater than minimal risk behavioral" ... collecting data on sensitive or illegal behaviors

Most (probably all) of the projects in this class are eligible for "expedited review"

Other types are: "Exempt"...no review, eg., for anonymous minimal risk surveys where subjects are contacted in a typical testing environment

"Full Review" ... for more than minimal risk

- TABLE 3: Relevant Categories for Expedited Institutional Review Board (IRB) Review
 - Collection of data through noninvasive procedures (not involving general anes-thesia or sedation) routinely employed in clinical practice, excluding procedures involving X rays or microwaves.

 - involving X rays or microweves.
 5. Research involving materials (data, documents, records, or specimens) that ha been collected or will be collected solely for nonresearch purposes (such as medical treatment or diagnosis).
 6. Odlection of data from voice, video, digital, or image recordings made for re-search purposes.
 7. Research on individual or group characteristics or behavior (including, but not limited to research on perception, cognition, motivation, identify, language, con munication, cultural beliefs or practices, and social behavior) or research enpling surveys interview, on Al history, focus group, program evaluation, human fac-tors evaluation, or qualify assurance methodologies. SOURCE: Federal Register, Vol. 63, p. 60,364.

What federal agency is in charge of overseeing our research?

OHRP: Office of Human Research Protections http://www.hhs.gov/ohrp/

Staff of 30

Reports directly to Assistant Secretary of the Department of Health and Human Services

Makes unannounced inspections of research protocols and records at universities

There are $\underline{\textbf{CONSEQUENCES}}$ for not following your protocol

ABLE 1

April

- Octobe 1998 May 199
- Augus 1990