

Integrity in Scientific Research

(Training Module for Postdoctoral Fellows)

Fall 2021

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The University of Oklahoma Health Sciences Center – Graduate College
Integrity in Scientific Research
(Training Module for Postdoctoral Fellows)

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REQUIRED MEETING TIMES

Days and times: Thursday; 3:00 p.m. to 5:00 p.m. Please refer to class schedule on the last page.
Bldg/Room #: Zoom

RECOMMENDED TEXT

There is no required text for this course. Some resources for topics discussed in this course are below.

<https://ori.hhs.gov/>

<https://ori.hhs.gov/ori-introduction-responsible-conduct-research>

<https://oir.nih.gov/sourcebook/ethical-conduct/responsible-conduct-research-training>

COURSE WEBSITE

There is no D2L or other website for this course. Email will be used as the primary tool for dissemination of course readings, handouts, slides, assignments, announcements etc. Faculty will have materials sent out at least 48 hours before class.

Instructor Communication and Response Time

Faculty strive to have open communication with participants both within and outside of the classroom. Participants are encouraged to contact faculty to discuss questions or other issues related to the course. Responses to telephone or e-mail messages will usually be transmitted within 48 hours during regular working hours. If you do not have a response within this time period, please check to assure you have used the correct e-mail address or phone number and follow up if with course faculty if needed. Faculty will generally respond to questions received during evenings and weekends once they are back in the office during regular business hours.

GENERAL COURSE INFORMATION

TRAINING MODULE DESCRIPTION

The module will serve as refresher training for incoming postdoctoral fellows on the topic of the responsible conduct of research. The module will underscore the importance of responsible research and the nuances of scientific integrity in research and seven other topics including social responsibility.

WHY IS THIS TRAINING IMPORTANT

This refresher module provides retraining on the core RCR topics and is intended to not only raise awareness of the kinds of ethical dilemmas that researchers are liable to encounter, but it also provides a way for them to learn by working through the dilemmas. Furthermore, it is intended that participants will comply with a recently updated policy of the National Institutes of Health requiring a minimum of eight hours of face-to-face instruction in the responsible conduct of research (RCR). By providing case studies, role-plays, and reflection questions, the course offers valuable ways of engaging learners in face-to-face discussion, debate, and enactment of important RCR issues. Training in RCR for postdoctoral fellow is required by OUHSC, the Graduate College and OMRF.

How module is conducted: (Traditional, hybrid, distance, independent study, or practicum)

Distance. For fall 2021 the module will be conducted via Zoom.

MODULE OBJECTIVES

At the end of this module the participant should be able to recognize, discuss and explain issues relating to the following topics.

1. Conflict of interest – personal, professional, and financial
2. Policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices
3. Mentor/mentee responsibilities and relationships
4. Collaborative research including collaborations with industry
5. Peer review
6. Data acquisition and laboratory tools; management, sharing and ownership
7. Research misconduct and policies for handling misconduct
8. Responsible authorship and publication
9. The scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research

MODULE REQUIREMENTS/POLICIES/EXPECTATIONS

Preparation and Participation Requirements:

- This module will include two parts, an online CITI course and in class lecture/discussion. Successful completion of both parts will be necessary to receive a passing grade and course completion certificate. To access the online CITI course please follow the directions below.

For New Users:

Go to www.CITIProgram.org

Click on the REGISTER box

Select your organization: "University of Oklahoma Health Sciences Center"

NOTE: If you are a postdoc at OMRF, select that institution.

Complete the requested registration information.

Scroll down to "Learner tools for University of Oklahoma Health Sciences Center and click "Add a course"

Select the course "Biomedical Responsible Conduct of Research"

For Previously Registered Users of CITI

If you already have a CITI username and password, login into www.CITIProgram.org

Insert your username and password.

Select "University of Oklahoma Health Sciences Center" (or "Oklahoma Medical Research Foundation" if that's where you first registered) to access the RCR course

Complete the requested registration information.

Scroll down to "Learner tools for University of Oklahoma Health Sciences Center and click "Add a course"

Select "Biomedical Responsible Conduct of Research" course.

Participants are required to keep a record of successful completion of the CITI course. ALL MODULES MUST BE COMPLETED PRIOR TO THE FIRST DISCUSSION SESSION ON SEPTEMBER 2, 2021. Evidence of completion must be communicated to the course coordinator Carla Shackelford via email at Carla-shackelford@ouhsc.edu.

- Instructors may, at their discretion, provide additional pre-assigned reading material. Participants are responsible for all assigned readings and reference material, whether discussed in class or not (including any written or verbal updates, all lecture material and other information provided).

Classroom Attendance:

- Participants play a vital role in the success and excitement of this course, because the value of the course is in the activities and discussions that will occur during class. When you come to class prepared and motivated to participate, the information discussed will be more relevant, interesting and applicable to your everyday life. Attending class is

important and beneficial, because the course faculty can offer more to the material through active participation and discussion than just self-study. Therefore, we anticipate regular participation and we expect that when you come to class you will be prepared and participate. A participant who is not in attendance and is not participating, is not learning or learning less than his/her classmates. You are expected to take this role seriously.

- Participants are required to attend all in class sessions for face-to-face discussions. If participants are absent for class for any reason they are responsible for the material covered that day and for completing make-up assignments if required.
- Excused absences will be granted only for valid reasons or extenuating circumstances. Participants missing class due to an illness must present a doctor's note to have that absence excused
 - To obtain an excused absence participants must: Contact the course coordinator, in person or on the phone, prior to class time in anticipation of an absence. If voice mail is reached, a phone number must be left so contact can be made with the participant as needed. An e-mail message is not an acceptable form of communication for an excused absence.
- Reasonable efforts will be made by the Director/faculty instructor(s) to accommodate a participant participating in this class from a distant site via video conferencing. It will be the participant's responsibility to do what is necessary to catch up on missed lectures, discussions etc. in the event that technology issues prevent live attendance during class meeting times. It is expected that all participants will comply with module policies and expectations regardless of such issues.

Class Assignments

- Participants are expected to actively engage in module discussions. If permission is given to a participant to miss an activity, a make-up activity may be administered at the discretion of the Director/Faculty Instructor.

EVALUATION METHODS

A sign in sheet along with identification may be required for all enrolled participants. Zoom records noting log in and log out times may be used to monitor attendance and participation. This being a graduate level course, a lot of importance will be placed on class participation. Meaningful participation can include answering questions, posing questions in a detailed fashion or adding to evidence discussed. Simply saying "I agree", "Yes", or "No", does not count as active participation. Active participation in the course along with successful completion of the CITI course constitutes passing the module. A certificate of completion will be issued by the Graduate College.

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*** All sessions via Zoom**

Date	Time	Session#	Topic	Faculty
Sep. 2	3:00 pm	1	Social Responsibility in Research	Teasdale
Sep. 2	4:00 pm	2	Conflict of Interest	Ogilvie
Oct. 7	3:00 pm	3	Animal Studies	Budda
Oct. 7	4:00 pm	4	Collaboration	Freeman
Nov. 4	3:00 pm	5	Authorship and Publication	Shankar
Nov. 4	4:00 pm	6	Mentor/Trainee Relationship	Griffin
Dec. 2	3:00 pm	7	Research Misconduct	Staudt
Dec. 2	4:00 pm	8	Peer Review	Air