UC San Francisco Responsible Conduct of Research Program for Postdoctoral Scholars (RCR-PS)

Dates: January 22 — February 28, 2019
Time: 12-1:30 p.m.

Please plan to arrive five minutes early to sign the attendance sheet, address any administrative concerns, and to silence and stow away electronic devices.

Locations: Tuesdays at Mission Bay, Thursdays at Parnassus
Participants can elect to attend a session on Tuesday *or* Thursday (not both)

Session	*Mission Bay (Tues)*	*Parnassus (Thurs)*
Week I:	1/22: Mission Bay, HD 160	1/24: Parnassus, N 517
Week II:	1/29: Mission Bay, HD 160	1/31: Parnassus, N 517
Week III:	2/05: Mission Bay, HD 160	2/07: Parnassus, N 517
Week IV:	2/12: Mission Bay, HD 160	2/14: Parnassus, N 517
Week V:	2/19: Mission Bay, HD 160	2/21: Parnassus, N 517
Week VI:	2/26: Mission Bay, HD 160	2/28: Parnassus, N 517

Program Director
Brianna Singleton, RN, MPH, AGPCNP-BC
brianna.singleton@ucsf.edu

The UCSF Responsible Conduct of Research Program for Postdoctoral Scholars (RCR-PS) is a thought-provoking, six-session course designed to satisfy NIH and NSF requirements for training in the responsible conduct of research.

Unique to the postdoctoral training experience, the RCR-PS program utilizes a combination of faculty presentations and in-person case study discussion during each 1.5-hour session to address contemporary debates at the interface between biomedical science and society. With attention to the tools and resources requisite of successful, ethical research careers, postdocs will meet with a community of UCSF faculty to discuss issues such as:

- Societal Implications of scientific misconduct
- Collaborative science: data management, sharing and ownership
- Responsible authorship, publishing, and peer review
- Science in the genomic era: biomedical research and human subjects
- Animal welfare in research
- Scientific entrepreneurship and the university-industry interface

Program Requirements

I. Attendance

The RCR-PS course is six sessions. To receive a “course completion letter,” the participant must attend and sign in to all six sessions at either campus location.

Absent for one session option:

If a participant must miss one session, they may still get credit for the full course by submitting a “think piece” (details below) as outlined in the course materials. For example, if a participant attends 5 sessions and submits a think piece for the 6th, they can still receive a “course completion letter.” If the participant misses one session and does not submit a “think piece,” they will receive credit for only the sessions they attended.

Absent for multiple sessions option:

If the participant can only attend *a few* of the sessions, we will issue a letter listing the individual sessions attended. For example, if a participant only attends 3 sessions, their letter will verify completion of those 3 specific topics. The letter will not suggest “failed” or “incomplete” RCR training. It will simply confirm the specific training completed for a subset of the topics that NIH *suggests* is acceptable. If the NIH program officer for the T32, F32, K99, K01, K08, asks for verification of a participant’s RCR training activity, the participant will be able to present the “letter of completion” for some of the suggested topics. The RCR-PS program cannot guarantee that incomplete participation will be deemed sufficient by your Program Officer.

NOTE: Participants must sign-in at the beginning of class and be present for the duration of the class. Attendance sheets will be removed 30 minutes after the start of class.

II. Think Piece

In the event that you miss a session, you will have the opportunity to fulfill the course deliverables and advance your understanding of the material by producing a "think piece,” thereby critically evaluating the topic as it relates to your own research experience. The think piece should include a discussion of readings, case studies, and/or reflection on the relevance of the weekly theme for your own research. You can also use the think piece to respond to course-mates' blogs.

> **Think Piece** *(Only as a make-up for one missed session)*
> 1-2 pages; double spaced; one-inch margins per think piece
> **Due by March 8, 2019** to the program director

III. Ethics Forum

The ethics forum is an opportunity for you to apply the themes of each session to real-life challenges, questions, concerns, and ruminations. For your contribution to the forum, please respond to the posted question(s) or questions posed during the discussion; pose your own questions; and/or dialogue with fellow participants regarding the session topic. These need not be polished; however, they should reflect how *you* experience and make sense of the weekly topic. These will be due by Friday *after* each session to enable you to incorporate questions or comments related to the discussion.

IV. Accommodation

Postdocs who require a physical, medical, or learning accommodation may contact Disability Management at ucsfhr.ucsf.edu/dismgmt.

In compliance with Education Code Section 92640(a), students may arrange to turn in course deliverables at a time that does not conflict with their religious observances.

Program Schedule

Session 1: Societal Implications of Scientific Misconduct
Tuesday, 1/22: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 1/24: Parnassus N 517, 12-1:30 p.m.

Facilitators
Mark Ansel, PhD and Anthony DeFranco, PhD

This opening session addresses societal implications of scientific misconduct. Training in this topic also addresses ethical issues involved in the development and dissemination of scientific research findings and how to report occurrences of scientific misconduct.

Session 2: Collaborative science: data management, sharing and ownership
Tuesday, 1/29: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 1/31: Parnassus N 517, 12-1:30 p.m.

Facilitator
Ariel Deardorff, MLIS

The data acquisition, management, sharing and ownership topic covers accepted practices and procedures for acquiring, storing, documenting, analyzing, sharing and maintaining data. It includes definitions for what constitutes data, procedures for maintaining the confidentiality and integrity of data, and proper methods for keeping records and processing and analyzing data. It also examines guidelines for who "owns" data as well as the legal ramifications for intellectual property, patent and copyright laws.

Session 3: Responsible Authorship, Publishing, and Peer Review
Tuesday, 2/05: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 2/07: Parnassus N 517, 12-1:30 p.m.

Facilitators
Patricia O'Sullivan, EdD; Arianne Teherani, PhD; Liz Silva, PhD

This topic examines the responsibilities of authors in scientific publication. It includes procedures for assigning credit and authorship, the responsibilities of each author, as well as accepted practices for detailing methods, analyses and results and including appropriate citations. It also addresses some of the institutional pressures to publish.

Session 4: Science in the Genomic Era: Biomedical Research and Human Subjects
Tuesday, 2/12: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 2/14: Parnassus N 517, 12-1:30 p.m.

Facilitators
Barbara Koenig, PhD; Kevin Shannon, MD; and Zena Werb, PhD

This session addresses complex issues pertaining to biomedical research and human subjects protections in the genomic era: privacy, confidentiality and protection of human tissue donors; management of genomic data; informed and open consent; and ethical issues in genomics research with vulnerable populations.

Session 5: Animal Welfare in Research
Tuesday, 2/19: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 2/21: Parnassus N 517, 12-1:30 p.m.

Facilitator
Gina Alvino, PhD and Binh Diep, PhD

This session addresses issues important in the use of animals in conducting research. Includes topics such as definition of research involving animals, ethical principles for conducting research on animals, federal regulations governing animal research, institutional animal care and use committees, and treatment of animals.

Session 6: Scientific Entrepreneurship and the University-Industry Interface
Tuesday, 2/26: Mission Bay HD 160, 12-1:30 p.m.
Thursday, 2/28: Parnassus N 517, 12-1:30 p.m.

Facilitator
David Fung, PhD and Adam Abate, PhD

This session addresses conflicts of interest (COI) at the university-industry interface. An interest may be defined as a commitment, goal, or value held by an individual or an institution. A conflict of interest exists when two or more contradictory interests relate to an activity by an individual or an institution. The conflict lies in the situation, not in any behavior or lack of behavior of the individual. That means that a conflict of interest is not intrinsically a bad thing. "A conflict of interest in research exists when the individual has interests in the outcome of the research that may lead to a personal advantage and that might, therefore, in actuality or appearance compromise the integrity of the research." NAS, Integrity in Scientific Research.