

the office of career & professional development presents:

# ***Funding Your Research***

*Session 5 in the Professional and Academic Success Skills series*

## **Mini-Series Outline**

### **Part A: Navigating the NIH Grant Application Process**

Friday, May 1, 1:30-5 p.m.

Cole Hall auditorium, Parnassus Campus (simulcast to Rock Hall Auditorium, Mission Bay)

*Are you confused by the NIH grant application and review process? This session will begin with an overview of the structure of the NIH and of its processes for grant application and review. Then, a panel of senior faculty will dissect a video demonstration of a study section reviewing K and R awards and give tips for preparing successful applications. Finally, participants will join either one of two break-out groups to hear the personal experiences of R01 or K and NRSA award recipients. In the R01 break-out group, faculty panelists will also answer questions about the current and upcoming changes the NIH is making to the R01 submission and review procedures.*

(See complete agenda on next page.)

### **Part B: Writing an Effective NIH Grant Proposal**

Friday, May 8, 1:30-4 p.m.

Room N225, Parnassus Campus (simulcast to Rock Hall Auditorium, Mission Bay)

*No matter which award you are seeking, you will need crisp specific aims, a clear experimental approach, and a convincing background and significance section. Pamela Derish, MA, Scientific Publications Manager in the UCSF Department of Surgery, illustrates principles of good writing that will help you craft a strong proposal.*

### **Part C: Preparing a Mentored K Award Application**

Wednesday, May 13, 9:30 a.m.-12 p.m.

Room HSW-300, Parnassus Campus (simulcast to Rock Hall Auditorium, Mission Bay)

*There is a lot you need to know about before you even start writing your K grant. Tom Mitchell, MPH, who teaches courses on K awards at UCSF, discusses proven strategies and common mistakes applicants should be aware of when preparing their applications.*

### **Cost and Registration**

\$15 Pre-reg. (UCSF students, UCSF postdocs & other UCSF research trainees)

\$25 Pre-reg. (all other registrants)

\$25 On-site registration (if space allows)

Registration fees help cover the cost of guest speakers, snacks and handouts for this set of events.

One registration, one fee gets you in to all three parts of this mini-series.

Register at <http://career.ucsf.edu/pass>. Pre-registration closes Friday, April 24.

prepared by Françoise Chanut, Ph.D. and Cynthia Fuhrmann, Ph.D.

[career.ucsf.edu/pass](http://career.ucsf.edu/pass)



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San Francisco

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**Part A: Navigating the NIH Grant Application Process**

Friday, May 1, 1:30-5 p.m.

Cole Hall Auditorium, Parnassus Campus (simulcast to Rock Hall Auditorium, Mission Bay)

**Agenda:**

1:00 p.m. **Registration check-in**

1:30 p.m. **Welcome**

1:35 p.m. **The Structure of the NIH**

*Bruce Conklin, MD, Senior Investigator, Gladstone Institute of Cardiovascular Disease and Professor of Medicine and Cellular & Molecular Pharmacology, UCSF*

2:05 p.m. **Dissection of a Mock Study Section (Video and samples provided by the NIH)**

*Moderated by Françoise Chanut, PhD, Program Director, OCPD*

*Diane Barber, PhD, Professor and Vice Chair, Department of Cell and Tissue Biology, UCSF*

*Bruce Conklin, MD, Senior Investigator, Gladstone Institute of Cardiovascular Disease and Professor of Medicine and Cellular & Molecular Pharmacology, UCSF*

*Peter Sargent, PhD, Professor and Interim Chair, Cell and Tissue Biology, UCSF*

2:45 p.m. **Break**

3:00 p.m. **Faculty Panel Discussion: Tips for Preparing the Application**

*Diane Barber, PhD, Professor and Vice Chair, Department of Cell and Tissue Biology, UCSF*

*Bruce Conklin, MD, Senior Investigator, Gladstone Institute of Cardiovascular Disease and Professor of Medicine and Cellular & Molecular Pharmacology, UCSF*

*Peter Sargent, PhD, Professor and Interim Chair, Cell and Tissue Biology, UCSF*

*Keith Yamamoto, PhD, Executive Vice Dean, School of Medicine, Professor, Department of Cellular and Molecular Pharmacology, UCSF*

3:45 p.m. **Break**

4:00 p.m. **Choose one special topics panel:**

**(1) K and NRSA Awards: Stories From the Trenches**

**At Parnassus, in Cole Hall (simulcast to Rock Hall Auditorium):**

Featuring a panel of recent K and NRSA awardees:

*Larissa Duncan, PhD, Osher Fellow, Osher Center for Integrative Medicine, UCSF- (NCCAM K01 pending)*

*Margaret Fang, MD, MPH, Assistant Professor, Medicine, UCSF (NIA K23 award)*

*Brian Kelch, PhD, Postdoctoral Scholar, Molecular & Cell Biology, UC Berkeley (NRSA awardee)*

*Ophir Klein, MD, PhD, Assistant Professor, Orofacial Sciences, UCSF (NIDCR K08 award)*

*Guillermo Yudowski, PhD, Postdoctoral Fellow, Psychiatry, UCSF (K99 award)*

**(2) R Awards: Submission, Resubmission, and Celebration!**

**At Parnassus, in room N217 (simulcast to S-271, Genentech Hall):**

*Kathryn Lee, RN, PhD, FAAN, Professor, Family Health Care Nursing, UCSF*

*Peter Sargent, PhD, Professor and Interim Chair, Cell and Tissue Biology, UCSF*

*Keith Yamamoto, PhD, Executive Vice Dean, School of Medicine, Professor, Department of Cellular and Molecular Pharmacology, UCSF*

5:00 p.m. **Evaluation**



## Biographies:

**Diane L. Barber, Ph.D. (panelist, Part A)** is a professor and vice –chair in the department of Cell and Tissue Biology at UCSF. She holds a BS in Biological Sciences and MS in Physiology from UC Davis and a PhD in Anatomy from UC Los Angeles. She was an assistant professor at Yale University before joining the UCSF faculty in 1991. Her research focuses on signal transduction and cell migration. She holds several NIGMS R01 awards and has served on NIH study sections since 2002.

**Françoise Chanut, Ph.D. (panel moderator, Part A)** is the Program Director for Professional Skills Development within the Office of Career and Professional Development. She builds programs, services and resources to help UCSF students and scholars enhance their skills in oral and written communications, negotiation and conflict resolution and leadership and management. Dr. Chanut completed her doctoral training in the Biology program at the University of Utah and her undergraduate work in Cell Biology at the Université Pierre et Marie Curie in Paris, France. She also holds a Certificate in Science Communication from UC Santa Cruz. At UCSF, she conducted postdoctoral research in the laboratories of J. Michael Bishop and Ulrike Heberlein, where she also served as Laboratory Manager. Before joining the OCPD in March of 2006, Chanut was an editorial assistant for California Wild, a magazine published by the California Academy of Sciences.

**Bruce Conklin, M.D., (speaker and panelist, Part A)** is a Senior Investigator of the Gladstone Institute of Cardiovascular Disease and Professor of Medicine and Cellular & Molecular Pharmacology at UCSF. He completed his M.D. degree at Case Western Reserve University in 1988, where he pursued research in Julius Axelrod's lab as an HHMI-NIH Research Scholar. Following a residency in internal medicine at Johns Hopkins Hospital (receiving an NIH-NIDDK Medical Resident Research award), he pursued postdoctoral research with Henry Bourne in Molecular Pharmacology at UCSF (during which time he received an NIH-NHLBI K08 Physician Scientist award). In 1995 he joined the faculty of the Gladstone, with a joint appointment at UCSF (where he founded SFGH's Genomics Core Laboratory). His lab studies G protein-coupled receptors in transgenic mice and stem cells using genetic engineering and genomic techniques. Dr. Conklin is a member of the American Society for Clinical Investigation. Dr. Conklin has had RO1s from 3 different NIH Institutes, one SBIR grant with Affymetrix, is part of several large program grants, and served as a mentor for over a dozen postdoctoral or graduate student fellowships.

**Pamela Derish M.A. (instructor, Part B)** is the Scientific Publications Manager for the Department of Surgery at UCSF, where she provides a professional editing service for faculty, postdoctoral fellows, residents, and medical students working with a surgical mentor, to help them publish their research and obtain grant funding. She has over 15 years of experience as a biomedical editor at UCSF, having previously worked in the Departments of Neurological Surgery and Medicine. Pamela teaches an intensive 10-week scientific writing course twice a year and has taught workshops on grant writing and scientific writing at UCSF for Global Health Sciences, the Bixby Center for Global Reproductive Health's Infectious Disease Training Program, the Professional and Academic Success Skills Program, the Department of Psychiatry's Writers Task Force, and the Department of Neurological Surgery's Seminars in Academic Survival Skills. She has also given workshops nationally for the Student National Medical Association, the Hispanic-Serving Health Professions Schools Professional Development Seminar, the American Society of Transplant Surgeons Professional Development Symposium, and the Association for Academic Surgery's Fundamentals of Scientific Research Course. Most recently, she served as instructor for the Kenyan Medical Research Institute-UCSF East African Scholars Writing Retreat, held in Suba, Kenya. Her own research and publications primarily concern scientific writing and authorship issues.

**Larissa G. Duncan, Ph.D. (panelist, Part A)** is an NIH/NCCAM-funded Research Fellow at the Osher Center for Integrative Medicine at the University of California, San Francisco. She received her Ph.D. from the multidisciplinary program in Human Development and Family Studies at Penn State University and she has expertise in lifespan developmental psychology, including biopsychosocial aspects of child development and parenting, behavioral medicine approaches to primary prevention, and advanced statistical methodology. Dr. Duncan's research focuses on investigating the potential health benefits of interventions incorporating mind-body practices, such as mindfulness meditation, when delivered during dynamic and sensitive developmental periods such as family formation and the transition to adolescence. Dr. Duncan is currently the principal investigator of two pilot studies focused on examining the effects of mind-body interventions on psychological and physiological stress processes during the perinatal period. She has a particular interest in developing and evaluating integrative stress reduction interventions geared toward reducing disparities in maternal-child health among underserved and vulnerable populations.

**Margaret C. Fang, MD, MPH, (panelist, Part A)** is assistant professor of medicine and medical director of the Anticoagulation Clinic at UCSF. She holds a BA in Molecular and Cell biology from Northwestern University, an MD from Northwestern University Medical School, and an MPH in clinical effectiveness from the Harvard School of Public Health.



She was an internal medicine intern and resident at Beth Israel Deaconess Medical Center (Boston, MA) and a General Medicine Research Fellow at Harvard Medical School and Massachusetts General Hospital before joining the UCSF faculty in 2003. Her research focuses on anticoagulant therapy and cardiovascular diseases. She currently holds a K-23 award from the NIA.

**Ophir Klein, MD, PhD, (panelist, Part A)** is assistant professor in the Departments of Orofacial Sciences and Pediatrics, and Institutes for Human Genetics and Regeneration Medicine, UC San Francisco. He holds a BA in Spanish from UC Berkeley and an MD-PhD from Yale University. He carried out a residency in Pediatrics at Yale-New Haven Hospital and a fellowship in Clinical Genetics at UCSF. His research focuses on the genetics of tooth development. He is currently the recipient of a CIRM New Faculty Award and an NIDCR K-08 award, among others.

**Kathryn A. Lee, RN, PhD, (panelist, Part A)** is Professor and James P. and Marjorie A Livingston Endowed Chair in Nursing in the department of Family Health Care Nursing at UCSF. She received her BS in Nursing from California State University, San Jose, and her Master's and PhD in Nursing from the University of Washington, Seattle, before joining the UCSF faculty in 1988. Her research focuses on sleep and fatigue in various pathological and physiological conditions. She is the recipient of R01 and SBIR awards from several NIH institutes and currently chairs the "Nursing Science: Children and Family" NIH study section.

**Thomas Mitchell, MA, MPH (instructor, Part C)** has worked at UCSF since 1984. From 1988-2000, he was program director of a large community-based HIV clinical trials program, where he gained experience writing NIH grant applications. He has also served as a grant reviewer on several ad hoc special emphasis panels at the National Institute of Allergy and Infectious Diseases and at the American Foundation for AIDS Research. Since 2000, he has focused on training fellows and junior faculty to write competitive NIH grant applications, including K award grant applications.

**Peter Sargent, PhD, (panelist, Part A)** is Professor and Interim Chair of the Department of Cell and Tissue Biology at UCSF. He holds an AB in biology from Amherst college and a PhD in neurobiology from Harvard University. He was an assistant professor at Stanford University and UC Riverside before joining the UCSF faculty in 1989. His research focuses on the structure, function and regulation of neuronal nicotinic acetylcholine receptors. He currently holds an R01 from the NIMH and has served on neurology or neuroscience NIH study sections, as a regular or ad hoc member, since 1987.

**Keith Yamamoto, PhD, (panelist, Part A)** is Executive Vice Dean in the School of Medicine and Professor of Cellular & Molecular Biology and Biochemistry & Biophysics. He oversees strategic planning as well as research activities at the school. After earning a PhD at Princeton, he came to UCSF in 1973. He served as chair of the Department of Cellular and Molecular Pharmacology from 1994 to 2003. Dr. Yamamoto is regarded as an international leader in studying the mechanisms of signaling and gene regulation by intracellular receptors. Aside from having served on numerous NIH study sections, he co-chairs since 2007 the Working Group on Peer Review, as a member of the NIH Advisory Committee to the Director.