

Areas, Programs and Activities that Inspire Students to Pursue Academic Careers as Faculty Members

I. Clinical and Translational Science Institute (CTSI): <http://ctsi.ucsf.edu/>

The mission of the **Clinical and Translational Science Institute (CTSI)** at the University of California, San Francisco (UCSF) is to create a comprehensive, integrated academic home that promotes research and education in clinical and translational science at UCSF, at affiliated institutions, and in participating communities.

Of the 13 CTSI programs, the following (<http://ctsi.ucsf.edu/about/programs>) have been identified as inspiring students to pursue academic careers as faculty members. Specific programming includes Career Advancement, Community Engagement, Clinical and Translational Science Training Program: includes the following: (1) Molecular Medicine Graduate and Postdoctoral Training Program, (2) TL1 Pre-doctoral training program, and (3) Clinical and Translational Science Career Development Award (CTSA KL2), and Health Policy.

Links to *NIH Proposal & Progress Reports* for all programs <http://ctsi.ucsf.edu/about/ctsi-central>

II. Pathways to Discovery Program <http://medschool.ucsf.edu/medicaleducation/pathways/>

The goal of the program is to foster the pursuit of discovery, inquiry, and innovation as part of the career of every health professional trained at UCSF. Trainees are provided with opportunities for in-depth study and experience in one of several areas of inquiry that go beyond the routine practice of health care.

III. Medical Scientist Training Program (MSTP) <http://www.medschool.ucsf.edu/mstp/program/>

MSTP is an integrated training pathway that combines the graduate and medical curricula and leads to both the M.D. and Ph.D. degrees. It is designed to produce highly qualified physician scientists who will pursue outstanding careers in academic medicine and research.

IV. Office of Career and Professional Development <http://career.ucsf.edu/>

Director: Bill Lindstaedt

Contact person for the following two programs: Cynthia Fuhrman-Kelch

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1) *Preparing Future Faculty* (PFF) <http://campusliveservices.ucsf.edu/career/pff/events.html>

Objectives of PFF:

- Educate UCSF students and post-graduate trainees about various teaching methods and learning styles, which can be applied to their current and future careers,
- Connect UCSF students and post-graduate trainees with opportunities to develop their teaching skills in the classroom,
- Broaden awareness of career paths that include teaching in different environments,
- Establish peer and professional networks for students, postdocs, faculty, and alumni interested in teaching and academic careers,
- Aid students and post-graduate trainees in preparing for their academic job search,
- Increase marketability and competitiveness of UCSF graduates for a broad range of academic careers.

In addition to offering workshops and training on how to find a teaching job and developing presentation skills, PFF has developed partnerships with local colleges and universities in the Bay Area to offer UCSF students and postdocs the opportunity to gain mentored teaching experience. These partnerships include:

- [Guest-lecturing one-two lessons](http://career.ucsf.edu/pff/guest.html) in an undergraduate course, to gain initial experience or keep teaching skills up to date. (<http://career.ucsf.edu/pff/guest.html>)
- [Teaching an undergraduate lab or lecture course](http://career.ucsf.edu/pff/course.html) to develop the full range of skills necessary for teaching. (<http://career.ucsf.edu/pff/course.html>)
- The [CCSF Mentoring and Teaching Program](http://career.ucsf.edu/pff/assets/CCSF-mentoring-program.pdf) provides UCSF graduate students with an opportunity to mentor a community college biotechnology intern for one quarter, then guest-lecture in their lab or lecture course the following quarter. (<http://career.ucsf.edu/pff/assets/CCSF-mentoring-program.pdf>)

2) *Professional & Academic Success Skills Series (PASS)* (<http://career.ucsf.edu/pass/index.html>)
PASS is a series of intensive workshops designed to enhance the professional development of UCSF students and scholars engaged in research. Past topics include:

- Funding Your Research
- Giving a Dynamic Research Talk
- Setting Goals for Your Career Direction and Professional Growth
- Negotiation & Conflict Resolution for Scientists
- Publishing Your Research

V. **Alliances for Graduate Education and the Professoriate (AGEP)** <http://graduate.ucsf.edu/agep>
Contact: Don Woodson, Director of Outreach, Recruitment, and Retention Programs (Student Academic Affairs)

AGEP is a program sponsored by the National Science Foundation whose goal it is to significantly increase the number of African American, Hispanic, and Native American students earning PhDs in the physical and life sciences, math, and engineering and to foster their interest in and commitment to an academic career.

VI. **The ISIS/IRACDA Fellowship** <http://graduate.ucsf.edu/iracda/program-objectives>
Contact: Dr. Christine Des Jarlais, Ed.D, Assistant Dean for Graduate Outreach & Postdoctoral Affairs, Graduate Division

The UCSF Graduate Division has been awarded an NIGMS K12 Institutional Research and Academic Career Development Award to support postdoctoral fellows interested in both research and teaching experience. The IRACDA Scholars in Science Fellowship focuses on teaching at minority-serving institutions and is aimed at postdoctoral students who have a particular interest in contributing to diversity efforts in the life sciences.

The ISIS/IRACDA Fellowship is a partnership between UC San Francisco and San Francisco State University, which aims to:

- 1) provide an extensive mentored research experience with a top-ranked Principal Investigator at UCSF, a world-renowned medical and scientific research institution
- 2) create an intensive mentored teaching experience with a Master Teacher at SFSU, a minority serving institution
- 3) present scholars seeking an academic career that combines research and teaching with career-enhancing professional development opportunities

VII. Science and Health Education Partnership <http://biochemistry.ucsf.edu/programs/sep/>

The SEP is a collaboration between UCSF and SF Unified School District. Scientists and educators from both organizations work together to support quality science education for K-12 students through mentored teaching partnerships with San Francisco public schools.

VIII. UCSF Postdoctoral Teaching Fellowship <http://biochemistry.ucsf.edu/programs/ptf>

Involves small group teaching experience in UCSF's innovative new Medical School curriculum.

IX. Graduate Student Association

- 1) *Career and Research Days* <http://gsa.ucsf.edu/crd.html> is sponsored by the Graduate Student Association every year in February, with the support of the Graduate Division, office of the Dean; Graduate Division Alumni Association; Student Activity Center, Office of Student Life; Student Academic Affairs; and others. [

Specific activities that inspire students to pursue academic careers include the Student Alumni Dinner and panel discussions.

Student Alumni Dinner participants include graduates from all Graduate Division programs who work in academia. In addition to those who sit at tables designated for a specific Graduate Division Program, one table is designated as "College Professors."

- 2) *Outstanding Faculty Mentorship Award* <http://gsa.ucsf.edu/facmen.html>
Awarded annually to recognize and show appreciation for faculty members from Basic Sciences, Nursing, Social & Behavioral Sciences or Physical Therapy who consistently provide exceptional support, both professionally and personally, to graduate students at UCSF.