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Postdoctoral Fellow in Translational Genetics at UCSF School of Medicine

The Gould lab of the UCSF School of Medicine is seeking a Postdoctoral Fellow who will lead an NIH-funded project to understand the molecular mechanisms by which the extracellular matrix controls angiogenesis and vascular function.

***Gould Lab*:** The broad goal of our research is to understand the biological functions of the extracellular matrix (ECM) and determine the mechanisms by which ECM defects lead to disease. Our primary focus is to identify pathological processes contributing to a multisystem disorder caused by mutations in type IV collagens. Type IV collagens are fundamental constituents of specialized extracellular structures called basement membranes and are present throughout the animal kingdom, however their functions are largely unknown. *COL4A1* and *COL4A2* mutations cause a congenital multisystem disorder which can affect any organ, but typically involves the brain, eyes, skeletal muscles, and kidneys. The successful candidate will join a diverse and motivated team of researchers with broad expertise and excellent resources.

Projects: There are multiple projects available that can be tailored to the candidate's expertise and interests. The current emphasis is to understand how type IV collagens regulate developmental angiogenesis and cerebrovascular homeostasis. *COL4A1* and *COL4A2* mutations are well established as an important cause of cerebral small vessel disease which is a leading cause of stroke and dementia. We seek to understand the relevant cellular pathways that might represent therapeutic targets to reduce, delay or prevent cerebrovascular pathologies.

Prospective Candidates: Candidates must be enthusiastic, passionate and self-motivated with a strong commitment to career development. You will have the support of an organized Departmental Postdoctoral training program including opportunities to present your work and bi-annual review of a personalized Individual Development Plan with your primary mentor and a co-mentor to ensure that you are meeting career goals. Supplemental salary support is available, and you will be expected to compete for external fellowships and independent funding during the training period. The candidate must be able to independently and efficiently manage concurrent projects and while possessing a strong commitment to contributing intellectually and interpersonally toward a positive and stimulating lab environment. A Ph.D. or M.D. degree and excellent verbal and written communication skills are required. Extensive experience in mouse models, ECM, and molecular, cell and vascular biology are all preferred.

Interested applicants should ***send a single PDF file including***:
1) Cover letter summarizing your background and goals (please state where you heard about the position)
2) CV demonstrating publication of impactful work
3) One-page statement of research interests
4) Contact information for three references

Please email your application to thegouldlab (at) gmail.com using the subject heading "Postdoctoral Fellow position" Screening of applicants will begin immediately and will continue as needed. Salary and rank will be commensurate with the applicant's experience and training.

UCSF: UCSF is one of the world's leading biomedical institutions and is devoted solely to health sciences research and education. UCSF is the #1 public recipient of funding from the NIH and is home to numerous Nobel laureates, National Medal of Science winners, National Academy of Sciences members, American Academy of Arts and Sciences members, National Academy of Medicine members, and Howard Hughes Medical Institute investigators. The community, resources, and collaborative environment are outstanding.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status.

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