Postdoc position in Biostatistics at UCSF

Position Title: Postdoctoral Researcher in Biostatistics

Duties and Responsibilities: A postdoctoral position is available in the Department of Medicine, Division of Pulmonary and Critical Care Medicine, University of California at San Francisco (with links to the Department of Epidemiology and Biostatistics).

The postdoc will be mentored by Dr. Patrick Phillips (https://profiles.ucsf.edu/patrick.phillips) who has a joint appointment in the Department of Medicine and the Department of Epidemiology and Biostatistics. The objective of Dr. Phillips’ research is to design, implement, and optimize clinical trials for new treatments for tuberculosis in order to deliver safer and more efficacious regimens for patients. He is lead statistician for several international tuberculosis trials networks and has been lead statistician for a number of high impact phase II and phase III tuberculosis clinical trials.

The position involves methodological and applied research in the design, conduct, and analysis of randomized clinical trials with a focus on clinical trials in tuberculosis. Areas of methodological development include non-inferiority trials, platform and other adaptive trial designs, specification of estimands accounting for intercurrent events and missing data, and trial designs to evaluate treatment duration.

The focus of the work will be to develop and expand therapeutic trial designs utilizing a duration-response model (https://doi.org/10.1177/1740774518778027) for use in TB clinical trials that are in development (including DRAMATIC, NCT03828201, and UNITE4TB https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/imiz-2020-20-03) in addition to work applying the principles espoused in the ICH E9 (R1) addendum to non-inferiority trials and TB clinical trials in particular.

The successful candidate is expected to work closely with Dr. Phillips, and to conduct independent methodological research under his oversight, resulting in the writing of peer-reviewed publications for medical and statistical journals. The successful candidate will also assist Dr. Phillips develop grant applications for new methodological projects. The environment is multidisciplinary. The postdoctoral fellow will also have opportunities to collaborate with other scientists in the UCSF School of Medicine.

Position Qualifications: PhD degree in biostatistics or statistics. The following skills are desirable: excellent methodological training in statistics; experience in design and analysis of randomized clinical trials; excellent programming skills in R or Stata; and excellent written and oral communication skills.

Salary Range Salary is commensurate with qualifications.
Benefits: https://postdocs.ucsf.edu/hr-benefits-overview

To apply, send a cover letter describing your research interests, CV and names of two references to Dr. Patrick Phillips (Patrick.phillips@ucsf.edu)

The mission of the Division of Pulmonary and Critical Care Medicine at ZSFG is to provide comprehensive medical care for the community, to develop innovative research aimed at elucidating basic mechanisms of disease, and to translate its research activities into both new
clinical initiatives and a rich training environment for the next generation of academic physician scientists.

The UCSF Department of Epidemiology & Biostatistics - the largest department of epidemiology in the University of California system in terms of full-time primary faculty and the number of affiliated faculty - aims to carry out its educational, scientific, and clinical missions within the highly interdisciplinary culture of UCSF and to take a transdisciplinary approach to education and research.