Postdoctoral Fellowship in Statistical Genetics and Biostatistics at Stanford University

Stanford University School of Medicine
Quantitative Sciences Unit
Stanford Center for Biomedical Informatics Research

Applications are invited for postdoctoral fellow positions to join Dr. Summer Han's research group in the Stanford Center for Biomedical Informatics Research at Stanford University. This position emphasizes developing and applying statistical methods for analyzing various types of cancer data that include: genome-wide association studies, metabolomic data, cancer registry data, or medical claims data under a large consortium setting. The projects for this position will include a newly NIH funded genome-wide association study for second primary lung cancer based on >25000 lung cancer cases and controls, whose data have been collected from the International Lung Cancer Consortium (ILCCO)(http://ilcco.iarc.fr/).

Specific areas of interest include, but are not limited to, (1) risk prediction modeling; (2) gene-environment interaction; (3) polygenic risk analysis; (4) competing risks analysis; (5) cancer screening modeling; and (6) outcomes research. We seek an individual with strong statistical and computing backgrounds. Experience with statistical and computational approaches for big data, statistical genetics and genomics is preferred (e.g. developing an analysis pipeline for GWAS and/or metabolomics). The work will involve both methodological research and collaboration with researchers. Successful applicants should have a strong background in statistics, biostatistics, bioinformatics, or genetic epidemiology, and should hold a Ph.D. Strong programming skill in R is required.

Please email a cover letter, CV, and a short description of research interests, and contact information of three referees to:

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Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty and academic staff. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the University's research, teaching and clinical missions.