POSTDOCTORAL RESEARCH FELLOW
(Statistical Genetics/Genetic Epidemiology)

Description

Our group has leading roles in several large-scale eye genetic studies, and has initiated the Singapore Epidemiology of Eye Disease (SEED) program, which houses one of the largest phenotype and genotype databases for eye-related traits in the world. Motivated and talented candidates are sought who will play a leading role in the on-going AMD genetic projects. Responsibilities will include study design, samples management, performing statistical analyses, review of scientific literature, and manuscript and grant proposal preparation. This is an outstanding opportunity for professional development. For more details about the SEED program, please visit our websites at http://www.seed.com.sg/.

We have developed a world-leading reputation in broad-based clinical translational research and epidemiological programmes for many eye diseases, particularly diseases relevant to Asia-Pacific regions, including myopia, angle-closure glaucoma, corneal disease, diabetic retinopathy, and age-related macular degeneration (AMD).

We invite applications for a Postdoctoral Fellowship in genetic epidemiology/statistical genetics. The goal of this training program is to prepare innovative and productive researchers in the field of genetic epidemiology/statistical genetics, with a focus on AMD in Asians, including discovery of genes involved in AMD pathogenesis and gene-environment interactions.

The training program links together major academic and research institutions in Singapore. In particular, mentors and research training opportunities will come from the National University of Singapore, Singapore Eye Research Institute, Duke-NUS Graduate Medical School, and Genome Institute of Singapore. Trainees will work in a highly interactive environment with several faculty mentors who have innovative research programs.

In addition, the successful candidate will have opportunity to network with groups of internationally renowned researchers, and take leadership of cutting-edge ocular genetic epidemiology projects. International collaborations include those with the Consortiums of Genetics of AMD in Asians (GAMA), Aging Research in Genomic Epidemiology (CHARGE, Candidate Gene Association Resource (CARe), International Glaucoma Genetic Consortium (IGGC), and the Consortium for Refractive Error and Myopia (CREAM).
Requirements

Applicants must have a Ph.D. or equivalent in the fields of Statistical Genetics, Biostatistics, Bioinformatics, Genetic Epidemiology, Human Genetics or another relevant discipline. Preference will be given to candidates with hands-on experience that includes the analysis of genome-wide association studies, gene-environment interactions, and/or next generation sequencing data.

Excellent statistical skills in using software packages, such as R, SAS or Stata, and Linux system experience required. Previous exposure to programming languages (Perl, shell scripting, or other languages) preferred. In addition to experience in data analyses, genotyping and sequencing would be a plus.

A strong commitment to collaborative and interactive research, ability to undertake independent research with minimal or moderate supervision, excellent written and verbal communication skills, and a record of peer-reviewed publications, will be other considerations. Past experience in writing grant/proposal application is a plus.

Applicant review is ongoing and will continue until the positions are filled. To apply, please send curriculum vitae, a statement of research interests, and the names of three referees to:

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