UT Southwestern Medical Center

Statistical Genomics & Genetics

A postdoctoral fellow position in statistical genetics and genomics is now available in the laboratories of Dr. Ralph DeBerardinis at Children's Research Institute (https://cri.utsw.edu/scientists/ralph-deberardinis-laboratory/) and Dr. Chao Xing at McDermott Center for Human Growth and Development (https://labs.utsouthwestern.edu/bioinformatics-lab) at UT Southwestern Medical Center at Dallas, to study the genetic basis for rare human diseases using genomics and computational approaches.

We employ whole exome and whole genome sequencing to identify pathogenic variants in patients and families. These genomic analyses are integrated with metabolomics and functional experiments performed in the DeBerardinis and Xing labs to validate the significance of genomic variants. We seek highly motivated individuals with strong problem-solving skills to develop, implement and apply innovative approaches for analyzing high throughput genetic and genomic data.

The training activities of this position will include data management, analysis, development and/or implementation of novel analytical approaches and bioinformatics tools for data analysis, implementation of pipelines, interpretation and presentation of analysis results, and writing manuscripts.

Requirements:
Candidates with Ph.D. in statistical genetics and genomics, genetic epidemiology, biostatistics, epidemiology, computational biology, bioinformatics, or biology with advanced sequencing data analysis skills are encouraged to apply.

Information on our postdoctoral training program and benefits can be found in our Postdoc Handbook or at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, cover letter briefly describing previous research experience, summary of current research interests, and list of three references to:

Ralph DeBerardinis (ralph.deberardinis@utsouthwestern.edu) &
Chao Xing (chao.xing@UTSouthwestern.edu)