Post-Doctoral Research Fellowship

Dr. Zhaoming Wang, a joint faculty member between St. Jude Department of Epidemiology and Cancer Control and the Department of Computational Biology, is seeking highly motivated and creative candidates for a fully supported postdoctoral fellowship to conduct high impact clinical research primarily in genetic epidemiology of cancers (childhood and subsequent adulthood cancer), biomarker discovery for treatment- and/or aging- related late effects of survivors of childhood cancer, and omics-based precision preventive medicine.

You will have the opportunity to work with large scale whole-genome sequencing, whole-exome sequencing, epigenetic profile, and RNA sequencing data for a well-established cohort of childhood cancer survivors with clinically assessed rich set of phenotypes including subsequent neoplasms.

In this position, you will gain extensive experience and training in genetic and molecular epidemiology, as well as, programming skills and analytic expertise in computational biology. You will be provided with opportunities to work within a multi-disciplinary research environment and interact with leaders in the fields of pediatric cancer, genetics, epigenetics, functional genomics, and survivorship research. The training is part of an organized program in pediatric cancer survivorship research funded through T32 training grant for the National Cancer Institute and our institutional budget.

Minimum Education Requirements

Successful applicants will have a strong publication record, excellent communication skills, and a Ph.D. or equivalent degree in genetics, epidemiology, bioinformatics, biostatistics or a related area. To succeed in this position, you are expected to have a strong genetics or epidemiology background, with an emphasis on quantitative and programming skills in R, Python or other computer programming language. Applicants with research experiences in human genetics, cancer genomics, or cancer epidemiology, with hands on experience in next-generation sequencing or high-throughput array data analysis, are strongly encouraged to apply. Please contact Dr. Zhaoming Wang by his email: zhaoming.wang@stjude.org