Assistant Professor of Biostatistics (Contract)

Childhood Cancer Genomics

The Division of Biostatistics, School of Public Health, at the University of Minnesota is announcing the opening of a non-tenure track (contract) faculty position at the rank of Assistant Professor, who will be part of an inter-departmental Childhood Cancer Genomics Group focused on pediatric cancer research.

Applicants must have a PhD in biostatistics, statistics, or a closely related field. We are interested in applicants with research interests in statistical genetics or bioinformatics, with expertise in genomewide association studies, analysis of next-generation sequencing data, methylation, functional genomics, or metabolomics/proteomics. Applicants should have a strong interest in interdisciplinary collaborative research.

A successful candidate will be primarily responsible for participating in collaborative research in pediatric cancer research, obtaining external funding through collaborative grant applications, and participating in the inter-departmental Childhood Cancer Genomics Group. Prior knowledge of pediatric cancer is not required. The candidate will also be expected to pursue data-driven statistical methods research, participate in the Division's graduate program through teaching and advising, and serving on division and school level committees.

The newly formed Childhood Cancer Genomics Group (ccgg.umn.edu) brings together faculty, staff, and students across campus to study pediatric cancer etiology and outcome using the tools of genomics. CCGG is led by the Division of Epidemiology & Clinical Research in the Department of Pediatrics and backed by the philanthropy of the Children’s Cancer Research Fund. Datasets available for integrative analyses include germline genome-wide SNP arrays, whole exome and whole genome data on major pediatric cancer types (acute lymphoblastic leukemia, acute myeloid leukemia, osteosarcoma, Ewing sarcoma, germ cell tumors, and hepatoblastoma), and CCGG enjoys wide access to additional datasets through members’ participation in the Children’s Oncology Group. Near-term goals also include generating whole methylome data in birth samples to examine prenatal exposures and whole genome sequencing of tumor samples to identify mutational signatures of carcinogenesis. Colleagues in CCGG with wet labs are available to generate correlative data, such as ATAC-seq, that complement the many available germline datasets.

The Division of Biostatistics has significant strengths biostatistics methods and collaborative research. Current research in statistical methodology includes causal inference, adaptive clinical trials, statistical genetics and bioinformatics including genomics and proteomics, analysis of spatial and longitudinal data, biomedical imaging, survival analysis, meta-analysis and data synthesis, and statistical methods for wearable technology. Division of Biostatistics faculty actively collaborate with researchers throughout the Academic Health Center on NIH-funded research projects related to cancer, cardiovascular disease, infectious disease, dentistry and periodontology, psychiatry/psychology, transplantation, chronic and neurodegenerative diseases, and smoking prevention. At the present time, the Division has statistical and data coordinating centers for NIH-funded clinical trials networks in HIV/AIDS, Ebola and other infectious diseases, and lower urinary tract infections and bladder health. Multi-year grants and contracts for various Divisional projects total over $150M.

The Division of Biostatistics (www.sph.umn.edu/biostatistics) currently includes 32 graduate faculty and over 60 staff. The Division offers MS, MPH, and PhD degrees as well as a Certificate in Applied Biostatistics, and interacts in teaching, advising and research with the University of Minnesota School of Statistics. The Division currently has 92 graduate students (43 MS and 49 PhD).

The salary range for these positions will be very competitive, and the University of Minnesota offers excellent fringe benefits. Applications received on or before November 22, 2019 will be given first consideration for an interview; however, we will continue to accept applications until the positions are filled.

Applicants should submit a cover letter, current curriculum vitae, and the names of at least three references online at https://hr.myu.umn.edu/jobs/ext/333098. In their cover letter (maximum of 3 single spaced pages), applicants should address their research interests and are also encouraged to comment on how they can contribute to a diverse and inclusive environment in the Division of Biostatistics. Please reference Job ID: 333098. In addition, a letter of recommendation from each of the three references should be sent to: biosearch@biostat.umn.edu. Other questions regarding this position can also be sent to: biosearch@biostat.umn.edu.

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