Assistant Professor of Biostatistics (Contract)
Analytics Core, Masonic Institute for the Developing Brain

The Division of Biostatistics, School of Public Health, at the University of Minnesota has an opening for a non-tenure track (contract) faculty position at the rank of Assistant Professor, who will be a member of the Analytics Core of the Masonic Institute for the Developing Brain (MIDB).

Applicants must have a PhD in biostatistics, statistics, or a closely related field with expertise in bioinformatics and computational biology. Research or scholarship responsibilities may include work with a team of statisticians and computational researchers at the MIDB Analytics Core to develop novel algorithms and machine learning methods for large-scale imaging/genomic data integration and analysis, and lead or facilitate the implementation of these new methods into scalable cloud-based computer programs, databases, and web portals. Other responsibilities include participating in collaborative and independent research programs related to neurobehavioral development and mental health, participating in the Division's graduate program through teaching and advising, and serving on division and school level committees.

We are strongly committed to recruiting, mentoring, and retaining faculty with a diversity of experiences and support the advancement of the School of Public Health's Strategic Plan for Antiracism (https://www.sph.umn.edu/about/diversity-inclusion/strategy-planning/). We recognize that scholars from historically disadvantaged groups may not have had the same access to opportunities and may have faced substantial barriers on their academic journey, and hence we are committed to carrying out a holistic evaluation of all applicants for the position.

MIDB (midb.umn.edu) is dedicated to fostering the healthy brain function of children across the lifespan with the mission to set and maintain a healthy trajectory for all children toward positive life outcomes through early neurobehavioral and mental health assessment, innovative targeted interventions, informed policy-making, compassionate child-advocacy, and community education. Committed to collaboration, MIDB researchers are from numerous departments, including Pediatrics, Neuroscience, Biostatistics, Child Psychology, Child Psychiatry and Psychology. The 100,000 square foot MIDB facility houses the Center for Neurobehavioral Development interdisciplinary clinical research center, the Child and Adolescent Psychiatry, Pediatric Neuropsychology and Pediatric Neurology clinics within M Health-Fairview, and the Institute on Community Integration-a policy and educational outreach facility. The MIDB’s mission of basic and clinical research in the field of neurobehavioral development is supported by multiple cores including: Analytics, Informatics, Neuroimaging, Human Phenotyping, Translational Neuroscience, Tele-outreach, Neurointervention, Community Integration and Education, and Global Health.

The Division of Biostatistics (www.sph.umn.edu/biostatistics) currently includes 35 faculty members and over 50 staff. Faculty regularly publish in the top methodological journals across all major research areas, including causal inference, 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 mobile health. Division faculty are also active in a wide range of collaborative research projects including high-profile studies of cancer, cardiovascular disease, COVID-19, dentistry and periodontology, psychiatry/psychology, transplantation, chronic and neurodegenerative diseases, and tobacco control. Division of Biostatistics faculty have biostatistical leadership roles in major collaborative initiatives, including the Biostatistical Design and Analysis Center (BDAC; https://ctsi.umn.edu/services/statistical-support/biostatistical-support) of the Clinical & Translational Science Institute, the Biostatistics Core of the Masonic Cancer Center (https://ccgg.umn.edu/for-researchers/shared-resources/biostatistics), and the Analytics Core of the Masonic Institute for the Developing Brain (https://midb.umn.edu/research/analytics-core).
The Division offers MS and PhD degrees in Biostatistics and a MPH in Public Health Data Science, with a current enrollment of 111 graduate students (52 Doctoral, 59 Masters). Students come to our programs from top undergraduate and graduate institutions across the U.S. and around the world, attracted by the quality of our faculty, a reasonable student-faculty ratio, our dedication to student success, and the modest cost of living in the Twin Cities. Division students regularly win prestigious student paper awards at top national and international conferences; approximately half pursue careers in academia, and half choose paths in private industry and government.

The Division of Biostatistics is located on the main University of Minnesota campus, which straddles the Mississippi River and is centrally located in Minneapolis. Campus is served by plentiful public transportation, including a light rail line stop across the street from Division offices. On-campus parking is also readily available on a contract or daily fee basis. The Twin Cities of Minneapolis and St. Paul offer all the usual amenities of a major metropolitan area; one notable highlight is the urban parks system, which has frequently been ranked #1 in the nation. Livable neighborhoods are diverse and widespread, and housing prices remain moderate compared to other similarly sized metro areas. The salary range for this position will be very competitive, and the University of Minnesota offers excellent fringe benefits.

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/352223. In their cover letter (maximum of 3 single spaced pages), applicants should address their research and teaching interests, and are also encouraged to comment on how they can contribute to a diverse and inclusive environment in the Division of Biostatistics. In addition, a letter of recommendation from each of the three references should be sent to biostats@umn.edu. Please reference Job ID: 352223. Other questions regarding this position can be directed to this same address. Applications received on or before December 2, 2022, will be given first consideration for an interview; however, we will continue to accept applications until the positions are filled.

The University of Minnesota is an equal opportunity educator and employer.