

Assistant Professor of Biostatistics (Tenure Track)

The Division of Biostatistics, School of Public Health, at the University of Minnesota is announcing an opening for a tenure-track faculty position at the Assistant Professor rank.

We are especially interested in applicants with a PhD in statistics or biostatistics who have research interests in causal inference, dynamic treatment regimes, biomarker evaluation, risk prediction, longitudinal and multilevel data, and the design and monitoring of clinical trials, including those for adaptive interventions. We will however consider applications from candidates in other important related research areas, as well as those with PhDs in areas besides biostatistics or statistics.

A successful candidate will be responsible for developing their own independent statistical methods research program, participating in collaborative research with researchers in the University of Minnesota Academic Health Center, and developing externally funded grant applications, as well as participating in the Division's teaching program, through classroom instruction and advising students at the graduate level. The candidate will also serve on various division and school level committees.

The Division has significant strengths in the broad areas targeted by this search. 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 \$150 M.

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/333095>. 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. Please reference Job ID: 333095. 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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Assistant/Associate Professor of Biostatistics (Contract)

Masonic Cancer Center

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 or Associate Professor, who will be a member of the Biostatistics Core of the Masonic Cancer Center and collaborate on cancer-related projects with investigators in the basic, clinical, and population sciences.

Applicants must have a PhD in biostatistics, statistics, or a closely related field. We are interested in applicants who have strong interests in collaborations with biomedical investigators, particularly those with some experience and a resume strong enough to support grant applications. Priority will be given to those who are willing to build long-term working relationships with Cancer Center members, as well as short-term consulting projects and protocol reviews.

A successful candidate will be primarily responsible for participating in collaborative research with investigators in the Cancer Center, obtaining external funding through collaborative grant applications, and providing service to the Cancer Center through protocol review and data monitoring of ongoing trials. 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 Division 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 \$150 M.

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The Masonic Cancer Center, an NCI-designated comprehensive cancer center covering basic, clinical, and population sciences, brings together cancer researchers from the Medical School, School of Dentistry, School of Nursing, College of Pharmacy, School of Public Health and College of Veterinary Medicine. The Biostatistics Core provides centralized biostatistics support for all members of the MCC. Members of the Biostatistics Core are currently co-Investigators on NIH grants related to blood and marrow transplant, smoking interventions, and other areas of cancer research.

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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/333104>. 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: 333104. 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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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.

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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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