

Post-doctoral Associate in Statistical Genetics/Omics/Imaging and Deep Learning in the Division of Biostatistics, University of Minnesota

Multiple post-doc positions are available now (until filled) in the Division of Biostatistics at the University of Minnesota, Minneapolis, MN, USA. For more info, visit

<http://www.sph.umn.edu/academics/divisions/biostatistics/>

The post-doc will work with Dr. Wei Pan (<https://directory.sph.umn.edu/bio/sph-a-z/wei-pan> or <http://www.biostat.umn.edu/~weip/>), Dr. Xiaotong Shen (<http://users.stat.umn.edu/~xshen/>) and other collaborators in the University of Minnesota. The research will focus on applying, developing and implementing novel statistical methods for causal inference, integrative data analysis and machine/deep learning with GWAS/sequencing data and multiple types of omic/neuroimaging data, as in TWAS and IWAS. In addition to new methods development and evaluations, the job responsibilities include software development (mostly in R, or in Python/TensorFlow/Keras/PyTorch for deep learning), possibly theory development, simulation studies, real data analysis, and writing manuscripts.

Each of the annually renewable appointments is for 1-2 years, possibly extendable to year 3, conditional on satisfactory performance and funding availability.

Qualifications:

A PhD degree in Biostatistics, Statistics, Computer Science or a related field, strong computing/programming and communication skills, and previous research experience in at least one of 1) statistical genetics/genomics/omics, 2) neuroimaging or medical imaging, and 3) machine learning/deep learning, and 4) a related topic (e.g. Big Data) are required.

Deadline: Each position is immediately open until filled.

Questions? Inquiries are welcome and should be directed (preferably along with CV) to Dr. Wei Pan by email at panxx014@umn.edu

How to apply?

External Applicants: <https://hr.myu.umn.edu/jobs/ext/345564>

Internal Applicants: <https://hr.myu.umn.edu/jobs/int/345564>

The University of Minnesota offers a comprehensive benefits package including:

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