Post-doctoral Associate in **Statistical Genetics/Omics/Neuroimaging** or **Deep Learning** in the Division of Biostatistics, University of Minnesota

Feb 2020

Multiple post-doc positions are available immediately (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/](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](https://directory.sph.umn.edu/bio/sph-a-z/wei-pan) or [http://www.biostat.umn.edu/~weip/](http://www.biostat.umn.edu/~weip/)) and his collaborators within and outside the University of Minnesota. The research will focus on applying, developing and implementing novel statistical methods for association analysis and causal inference with GWAS/sequencing data, including integrative analysis of multiple types of omic/neuroimaging data, such as TWAS and IWAS. The candidate is also encouraged to expand or focus his/her research to/on deep learning for GWAS, omic and neuroimaging data. The job responsibilities include new methods and software development (mostly in R, or in Python/TensorFlow/Keras/PyTorch for deep learning) and documentation (60%), real data analysis for cardiovascular diseases and Alzheimer’s disease (30%), and others (10%).

The positions are available immediately, and will remain open until filled. Each appointment is annually renewable for two years, possibly extendable to year 3, conditional on satisfactory performance and funding availability.

Qualifications:
A PhD degree in Biostatistics, Statistics, Bioinformatics, Computer Science or a related field, strong computing/programming and communication skills, and interest in statistical genetics/genomics or Big Data/deep learning are required. Experience in statistical genetics and/or Big Data/deep learning is preferred, but not required.

For preliminary inquiries, you may send your CV to panxx014@umn.edu

Questions?

Inquiries are welcome and should be directed to Dr. Wei Pan by email at panxx014@umn.edu

How to apply?

Go to the website:

[https://humanresources.umn.edu/jobs](https://humanresources.umn.edu/jobs)

Direct link: [https://hr.myu.umn.edu/jobs/ext/335522](https://hr.myu.umn.edu/jobs/ext/335522)

Then type in Biostatistics, Post-Doctoral Associate, or Job ID 335522 in the search box to locate it. Each position is immediately available and will remain open until filled.