Postdoctoral Associate in Biostatistics and Bioinformatics

Duke University is seeking a postdoctoral associate in the Department of Biostatistics & Bioinformatics (https://biostat.duke.edu/) within the School of Medicine. Duke University is regularly ranked among the top research institutions in the US and worldwide. Duke University School of Medicine is ranked among country’s top 10 medical schools and is located in Durham, North Carolina.

**Position Description:** The overall goal of this position, funded by NIH and Foundation projects, is to: (1) develop dynamic prediction models using a wide variety of data, including clinical, wearable devices, neuroimaging, and –omics data from electronic health record, registry, and research initiatives; and (2) develop and apply novel statistical models to investigate gene by environment interactions and to utilize bioinformatics resources and high-dimensional –omics data to elucidate the biological significance of the statistical analysis. The postdoctoral associate, under the mentorship of Dr. Sheng Luo, is required to work on at least one of these objectives. The application areas include neurological diseases, aging research, cardiovascular diseases, and radiology. The work will involve both methodological research with biostatistics faculty and collaboration with biomedical investigators.

**Duration:** The appointment is one year, with the possibility of extension, subject to annual renewal based on performance and funding availability.

**Requirements and Expectations:** A Ph.D. in statistics, biostatistics, bioinformatics, statistical genetics or other related disciplines is required. Strong interest, research background and experience in the methodology research in functional data analysis, high-dimensional variable selection, longitudinal and survival analysis, machine learning, bioinformatics methods in -omics data are preferred. Demonstrated evidence of excellent programming, collaboration, and communication skills.

**Compensation and Benefits:** We offer very competitive salary and excellent benefits. Visit the Duke University Office of Postdoctoral Service website at http://www.postdoc.duke.edu and Duke HR website at www.hr.duke.edu for details.

**Start Date:** Negotiable

**Application:** If interested in this position, please apply online on the Duke HR website using the following link: https://jobs.brassring.com/1033/ASP/TG/cim_jobdetail.asp?partnerid=25017&siteid=5407&Areq=110089BR

During the application process, please include your CV, contact information for 2-3 references, and a cover letter addressing your research interests. An optional Research Statement (one page or longer) is encouraged.

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