Department of Biostatistics & Bioinformatics
Duke University School of Medicine

Postdoctoral Associate – Biostatistics

Duke University is seeking a successful postdoctoral associate in the Department of Biostatistics and Bioinformatics (www.biostat.duke.edu). Duke University is regularly ranked among the top research institutions in the US and worldwide. It is located in Durham, North Carolina.

Position Description: This position is to develop innovative statistical methods to detect treatment effect heterogeneity by using multiple data sources from randomized clinical trials to electronic health record data in the application of mental health under the supervision of Dr. Hwanhee Hong at Duke University. This project will use methods for Bayesian network meta-analysis, adaptive borrowing across multiple datasets, and causal inference. The primary statistical framework that will be considered is Bayesian but not limited to. The selected candidate will have opportunity to learn new statistical methods, develop methodologies, lead to both collaborative and methodological projects, and write/co-author manuscripts for high-quality peer-reviewed journals. In addition, this position will have many opportunities to collaborate with other interesting relevant projects within the Department, Duke Clinical Research Institute, and Duke Medicine.

The initial term for the appointment is 2 years with the possibility of extensions. Applications will be considered immediately, and will continue to be reviewed until the position is filled. Zoom interviews will be conducted until the position is filled.

Qualifications:

- A doctoral degree in biostatistics, statistics, or related fields with solid training in statistical methods and biomedical research.
- Experience with Bayesian hierarchical modeling analysis
- Basic understanding about causal inference
- Basic understanding about clinical trial data
- Demonstrated evidence of excellent programming, collaboration, and communication skills are required.

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.

Application Deadline: If interested in this position, please send the application to Dr. Hwanhee Hong hwanhee.hong@duke.edu.

An application should include
- Cover letter including a brief statement of interest/research and two names of references
- CV

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