Post-doctoral position at the Department of Biostatistics and Bioinformatics at Emory University

Company Information: Rollins School of Public Health, Emory University

1518 Clifton Rd. NE, Atlanta, GA 30322

Position title: Postdoctoral Fellow

Duties & Responsibilities: The fellow will develop cutting-edge statistical methods for analyzing heterogeneous data modalities including newly emerging curve/image (functional) data and high-dimensional vector data under the guidance of Dr. Amita Manatunga . The fellow will participate in research activities such as development of statistical methodology, associated theory, computational tools, algorithm for the analysis and interpretation of data, including mages, functional data and a large number of variables. Specific examples of methodological research include but not limited to:

- Integrative analysis of heterogeneous data modalities (including functional and high-dimensional vector data) for accurate prediction of disease risk
- Development of efficient clustering algorithms for images adjusting for their metadata
- Non- and semi-parametric modelling of longitudinal image data
- Reproducibility (agreement) studies on multiple heterogeneous images collected from different anatomic regions

Publications in peer-reviewed journals and presentations at scientific meetings are expected and encouraged.

Position Qualifications: Candidates must hold a PhD, or equivalent, in statistics/biostatistics or relevant areas. Desired skills include proficiency in statistical computing (with R, C, Matlab, or Python), and expertise in some of the following areas. (1) functional data analysis; (2) high-dimensional data analysis; (3) predictive modeling; (4) longitudinal data analysis, and (4) machine learning.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran Employer.

Salary Range: $50,004 - $52,896 (depending on experience)

Benefits: www.hr.emory.edu/eu/benefits

Web Site: sph.emory.edu/departments/bios/index.html

How to Apply: Please upload a CV, contact information (email or phone) of three references, and a research statement to the following website faculty-emory.icims.com/jobs/67884/job

For inquiries please contact Dr. Amita Manatunga, amanatu@emory.edu.

Application Deadline: Until Position is Filled.

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