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 images, 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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Amita Manatunga, PHD
Donna Jean Brogan Professor
Professor of Biostatistics
Department of Biostatistics and Bioinformatics
Rollins School of Public Health
Emory University
amanatu@emory.edu
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