Position: Opening for a Postdoctoral Research Fellow to work on developing novel statistical methods for multi-modal data generated by #wearables. The embedding of multiple sensors in wearable devices now allows real-time tracking of sleep, physical activity, heart rate, and more to come. This comprehensive multimodal tracking requires a next generation of statistical methods – the primary focus of this fellowship.

The fellow will be mentored by Dr. Vadim Zipunnikov and will be a part of the Wearable and Implantable Technology (WIT) group at the Department of Biostatistics at the Johns Hopkins Bloomberg School of Public Health.

Duties and Responsibilities: The successful applicant will work primarily on developing and testing novel statistical and machine learning methods for modelling and fusing functional, distributional, and time-series data collected in real-time across multiple modalities. The applicant will also have an opportunity to work on a collaborative project with Takeda Pharmaceuticals with a focus on identifying clinically relevant characteristics and patterns of actigraphy-measured physical activity and their relationship with cognitive, behavioral, and physiological endpoints across multiple clinical cohorts.

Qualifications: Applicants must have a PhD in biostatistics, statistics, computer science, applied mathematics, biomedical informatics, or any other field related to data science. Strong programming skills in R, python, or Matlab are essential.

The Johns Hopkins Department of Biostatistics, founded in 1918, was the first degree-granting department of statistical science in the US and has ranked among the world’s best throughout its history. https://publichealth.jhu.edu/departments/biostatistics.

To apply, please send a CV and contact information for references to:

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