



Postdoctoral Research Associate position at Rice University

The Department of Statistics is looking to fill a postdoctoral position beginning July 1, 2020. The postdoctoral fellow will join Dr. Marina Vannucci's research group. The research is part of an ongoing collaborative effort with Read Montague's lab at Virginia Tech: <https://research.vtc.vt.edu/people/read-montague/>.

The Montague Lab works on computational models of neuromodulation alongside electrophysiological, electrochemical, and electromagnetic (optically pumped magnetometry) data derived from the conscious human brain. The project aims at the development of novel statistical models for the analysis of such data.

Dr. Vannucci's research is focused on the development of Bayesian statistical models for complex problems, with particular emphasis on problems from neuroimaging, neuroscience, engineering and large-scale genomics. The Montague lab conducts leading-edge research on the dynamics of neurotransmitter delivery and action in the human brain and the connection of these dynamics to reinforcement learning models. This position is an excellent opportunity for a statistically-oriented person to conduct research in Neuroscience and expand the biological problems to which their training can be applied.

Position Qualifications

A Ph.D. degree in Statistics, computer science, applied mathematics, or a related field.

Please apply to <https://jobs.rice.edu/postings/23221>.

Experience Preferred

Candidates with demonstrated track record of research excellence as indicated by peer reviewed publications and presentations. In addition to scientific competence, the position requires creativity, leadership, excellent written and oral communication skills, and the ability to work in multidisciplinary teams.

About Rice University

The George R. Brown School of Engineering ranks among the top 20 of undergraduate engineering programs (US News & World Report) and is strongly committed to nurturing the aspirations of faculty, staff and students in an inclusive environment.

We are seeking candidates who have demonstrated ability to lead and/or work collaboratively in teams comprised of individuals of diverse backgrounds, skills, and perspectives. Consistent with the National Research Council's report, *Convergence: Facilitating Transdisciplinary Integration of Life Sciences, Physical Sciences, Engineering, and Beyond*, we are seeking candidates who have demonstrated ability to work in research groups that integrate the knowledge, tools, and ways of thinking from engineering, mathematics, and computational, natural, social and behavioral sciences to solve societal problems using a convergent approach.

We seek greater representation of women, minorities, people with disabilities, and veterans in disciplines in which they have historically been underrepresented; to attract international students from a wider range of countries and backgrounds; to accelerate progress in building a faculty and staff who are diverse in background and thought; and we support an inclusive environment that fosters interaction and understanding within our diverse community.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.