-- Postdoctoral Research Associate – Rice University

Job Title: Postdoctoral Research Associate

Position Summary: The postdoctoral fellow will join Dr. Marina Vannucci’s research group, in the Department of Statistics at Rice University. 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’ 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.

Degree Discipline: Statistics, computer science, applied mathematics, or a related field

Experience Preferred:

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.

Please send CV, research statement and names of 3 people who could be contacted for supporting letters to marina@rice.edu