PRINCETON Neuroscience INSTITUTE

Postdoctoral Research Associate, Princeton Neuroscience Institute, Princeton University.

The Princeton Computational Memory Lab, led by Professor Ken Norman, is seeking a postdoctoral research associate to work on NIH-funded studies of human learning and memory in collaboration with Professor Nick Turk-Browne. The specific goal of this project is to study how competition between memories can lead to representational change (i.e., memories overlapping more or less with each other), using fMRI and computational models. The postdoctoral researcher's primary responsibility will be designing and implementing fMRI experiments to test the predictions arising from our neural network model of competition-dependent learning. A major focus of the project will be developing and using novel multivariate fMRI analysis techniques to track memory competition and representational change. The postdoc will also have the opportunity to contribute to the computational-modeling side of the project. For additional information, see http://compmem.princeton.edu and http://ntblab.princeton.edu. The Norman lab is part of a highly collaborative network of labs at Princeton that are using computational methods to enrich neuroscience theory and data analysis, ranging from the Cohen, Daw, Hasson, Niv, Pillow labs in Neuroscience and Psychology, to the Engelhardt and Ramadge research groups in Computer Science and Engineering. Questions can be addressed to Professor Ken Norman (knorman@princeton.edu) and Professor Nick Turk-Browne (ntb@princeton.edu). Review of applications will continue until the position is filled.

The term of this appointment is for one year with the possibility of renewal based on performance and funding. Essential qualifications for this position include: a Ph.D. in Psychology, Neuroscience, Cognitive Science, Computer Science, Engineering, or other related field; a strong publication record of original research in cognitive, systems, and/or computational neuroscience; and fluency in Matlab and/or Python programming. The position will provide training in neuroimaging and computational methods, but we prefer applicants who already have experience with fMRI and multivariate analysis methods. Interested applicants must apply online at https://jobs.princeton.edu/ (Requisition no. 1601003) and include a cover letter, a curriculum vitae including a publication list, and contact information of at least two references. Princeton University is an equal opportunity/affirmative action employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.