Postdoctoral Position in Computational Cognitive Neuroscience, UCSD

Applications are invited for a postdoctoral position in the Computational Cognitive Neuroscience Lab, led by Angela Yu, at University of California, San Diego. Initial appointment is for one year, with flexible start date (2009) and possibility for renewal.

The project is to develop a theoretical framework for the inter-related problems of sequential decision-making, sensori-motor integration, and active sensory processing. Candidates must have a strong mathematical background in areas such as probability and statistics, graphical models, Bayesian modeling, machine learning, and reinforcement learning.

Experience with stochastic processes and/or stochastic control theory is a major plus. Candidate should also have programming experience, such as Matlab or equivalent. Depending on the candidates' interest and ability, the postdoctoral fellow will also design and conduct human behavioral experiments involving some combination of psychophysics, eyetracking, and fMRI. Experience with these experimental techniques are desired but not required.

Dr. Yu's lab is situated within the Natural Computation Lab in the Cognitive Science department of UCSD. It is affiliated with the Temporal Dynamics of Learning Center, and the UCSD Neurosciences Graduate Program. It provides ample opportunities for communication and collaboration with related labs not only within the department of Cognitive Science, but also in Psychology, Linguistics, Neuroscience, Electric and Computer Engineering, Computer Science and Engineering, Institute for Neural Computation, and the Salk Institute.

Interested candidates should send a research statement, along with a CV including publications and references to: ajyu@ucsd.edu. At least two letters of references should be sent directly to the same address.

Dr. Yu will be interviewing candidates at the upcoming Cosyne conference (Salt Lake City, 02/26/09-03/01/09).

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