Faculty Position in Computational Neuroscience

NORTHWESTERN UNIVERSITY is seeking a faculty member in the area of Computational Neuroscience. The appointment will be a joint tenure-track position in the Departments of Engineering Sciences and Applied Mathematics (www.esam.northwestern.edu) and in Physical Medicine and Rehabilitation (www.smpp.northwestern.edu) at the rank of assistant professor.

Possible areas of research include, but are not limited to, modeling and simulation of large scale neural systems and circuits relevant to human function and disease, computational approaches towards cellular and molecular factors underlying neuronal behavior, modeling and simulation of the structure and function of neurons and networks of neurons, genetic mechanism of disease, novel approaches towards brain imaging, and areas of computational neuroscience relevant to human neuromotor functions, broadly defined.

The faculty member will have extensive contact with the research and clinical personnel at the Rehabilitation Institute of Chicago (RIC), a leading research hospital and a longtime partner of Engineering Sciences at Northwestern. Faculty members from the Northwestern University Neuroscience Program, and from the Department of Physiology in the Feinberg School of Medicine are also available for collaboration.

The research laboratories for the new appointee will be housed within the Sensory Motor performance Program, a multidisciplinary research group in the RIC, working in themes related to human motor function in normal and neurologically impaired human subjects.

The candidate must have a PhD or equivalent degree and a solid background in applied mathematics, engineering science, or related quantitative disciplines, as well as prior research experience in computational neuroscience. Applicants should also have the ability to establish an independently funded research program and have a strong commitment to teaching. The starting date for the position is September 1, 2007.

For full consideration, application materials consisting of a resume, a statement of research and teaching interests, and at least three letters of recommendation should be sent by January 15, 2007 to:

Neuroscience Search Committee Chair
Dept. of Engineering Sciences and Applied Mathematics
2145 Sheridan Road
Northwestern University
Evanston, IL 60208

Northwestern University is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are encouraged. Hiring is contingent upon eligibility to work in the United States.