Postdoctoral positions in computational neuroscience

Two postdoctoral fellow positions in Computational Neuroscience are available immediately in the laboratory of Dr. Sherif Elbasiouny at the Departments of Neuroscience, Cell Biology, and Physiology (NCBP) and Biomedical, Industrial and Human Factors Engineering (BIE), Wright State University, Dayton, Ohio. The research work involves the development of computational models of neurons in the spinal cord to investigate the basis of their excitability. Dr. Elbasiouny's lab is currently investigating the ionic mechanisms underlying motoneuron function for neurorehabilitation applications and in neurodegenerative diseases, such as amyotrophic lateral sclerosis. Dr. Elbasiouny's lab is located in Wright State University's state-of-the-art Neuroscience Engineering Collaboration new facility.

More information on Dr. Elbasiouny's research could be found through the following link: https://webapp2.wright.edu/web1/newsroom/2015/03/30/best-feeling-possible/

**Required:** The successful applicant should have: 1) a PhD in computational neuroscience, engineering, physics, computer science, mathematics, or related areas by the start date, and 2) previous research experience in computational neuroscience demonstrated by at least one first-author publication. **Preferred:** Experience in the development of anatomically detailed computational models, using the NEURON simulation environment, and/or dynamic clamp are highly desirable.

The positions are available immediately. The salary package is very competitive and will be proportional to the applicant’s experience. Funding for the positions is available for 2 years with possible extension upon performance. Questions about the positions should be directed to Dr. Sherif Elbasiouny at sherif.elbasiouny@wright.edu. Qualified applicants can apply at https://jobs.wright.edu/postings/8907 and should submit: 1) CV including a list of publications, 2) brief personal statement of research interest and future career goals, and 3) contact information of three references.

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