



### **Postdoctoral Fellow - Neurons and Circuits in the Hypothalamus**

A postdoctoral fellowship position is available in the laboratory of Dr. Alexander Jackson, Assistant Professor in the Department of Physiology and Neurobiology at the University of Connecticut (UConn), Storrs, CT.

Research in the laboratory is focused on the cellular and synaptic neurophysiology of neural circuits in the hypothalamus that regulate fundamental behavioral states such as arousal and feeding. Techniques are centered on using whole-cell patch-clamp electrophysiology and pharmacology in mouse brain slices in order to elucidate the properties of specific hypothalamic cell types, their synaptic connectivity and their role in behavior. This approach is carried out in concert with a toolbox of neuroanatomical methods and opto/chemogenetic strategies to manipulate the excitability of genetically targeted neurons.

For further information about our team see: <http://wp.ajackson.lab.uconn.edu/>

Potential candidates should have recently completed a PhD (neuroscience, physiology or related discipline) prior to joining the lab. Expertise in whole-cell patch-clamp electrophysiology in brain slices is required. Additional expertise in mouse neuroanatomical techniques, stereotactic surgery and molecular techniques is also highly desirable. Ideal candidates will also have strong oral and written communication skills, strong quantitative skills and the ability to work both independently and cooperatively in a team environment.

The lab is located in the Department of Physiology and Neurobiology, on the beautiful flagship campus of UConn, which is centrally located with respect to major centers – Boston, New Haven and Providence.

UConn is committed to building and supporting a multicultural and diverse community of students, faculty and staff. As an Affirmative Action/Equal Employment Opportunity employer, UConn welcomes applications from every gender, sexual orientation, nationality, ethnicity, as well as people with disabilities, veterans and members of traditionally underrepresented populations.

To apply, please send a CV, a brief statement of research experience and interests, in addition to the names and contact information for 3 references to Dr. Alexander Jackson at the following email address: [alexander.jackson@uconn.edu](mailto:alexander.jackson@uconn.edu)