Postdoctoral Position Available in Neural Circuit and Behavior

A postdoctoral position is available in the Hattori lab in the Physiology Department of UT Southwestern Medical Center (website - https://www.utsouthwestern.edu/labs/hattori/). We study how neural circuits integrate sensory information with memory and internal state to generate appropriate behavior. We use a multidisciplinary approach that encompasses molecular genetics, neural recordings, optogenetics, and behavioral assays.

In particular, the lab focuses on uncovering neural mechanisms that mediate processing of novelty. Animals are exquisitely sensitive to novelty, because it potentially signals danger or opportunity. We identified a dopamine-dependent circuit that is necessary for detection of novelty in the fly olfactory system (Hattori et al., Cell 2017). This provides us with an inroad to examine how detection of novelty affects function of neural circuits and behavior.

Candidates must have a Ph.D. and/or M.D. in a field related to neuroscience, including biological sciences, electrical engineering, and computer sciences. Interested candidates from broad disciplines are encouraged to apply for the position. Candidates with original ideas that align with the general interest of the lab are also welcome. To apply, please send cover letter describing your research accomplishment and interest, CV, and contact information for three references to Daisuke Hattori, Ph.D. at:

daisuke.hattori@utsouthwestern.edu

*UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*