

Neural Circuits Genetics and Physiology for Learning and Memory/ Postdoctoral Researcher

A postdoctoral position is available to study molecular mechanisms, neural circuits and neurophysiology of learning and memory and their involvements in neurological and psychiatric disorders using a mouse model in the Department of Psychiatry at The University of Texas Southwestern Medical Center. Our goal in Kitamura Lab is to provide a biophysically-based and mechanistic understanding of neural circuits, neural processes and memory engrams for learning and memory. Selected applicants will utilize viral technology, transgenic strategy, histology, in vivo calcium imaging, in vivo and in vitro electrophysiology, cell-type specific activity manipulation, behavioral assay and work with/programming. For more details, please check out Faculty Profile at <http://profiles.utsouthwestern.edu/profile/168331/takashi-kitamura.html>

A PhD in Molecular Biology, Neuroscience, Systems Neuroscience, Computer Science and any related fields, or MD with applicable lab experience is required. We are looking for scientists who are highly motivated to understand the neural mechanisms of Learning and Memory, are eager to learn and develop new skills/knowledge, and aim to be an independent researcher after their training. We will provide an efficient research environment to help lab members pursue their scientific careers.

To apply, please send a statement of interests (describing why you are interested in the position, how it would help your career and what you bring into the team), detailed CV and a list of three references directly to:

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Associate Professor

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Selected publications

- 1) Yokose et al., *Neuron*, 2024 (PMID: 38056456)
- 2) Terranova et al., *Nature Communications*, 2023 (PMID: 37407567)
- 3) Terranova et al., *Neuron*, 2022 (PMID: 35139362)
- 4) Tonegawa, Morrissey & Kitamura., *Nature Review Neuroscience*, 2018 (PMID: 29970909)
- 4) Kitamura et al., *Science*, 2017 (PMID: 28386011)
- 5) Kitamura et al., *Science*, 2014 (PMID: 24457215)
- 6) Kitamura et al., *Cell*, 2009 (PMID: 19914173)

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