UNIVERSITY *of* ROCHESTER
MEDICAL CENTER

STRONG MEMORIAL HOSPITAL
SCHOOL OF MEDICINE AND DENTISTRY
SCHOOL OF NURSING
THE DEL MONTE INSTITUTE FOR NEUROSCIENCE
DEPARTMENT OF NEUROSCIENCE

The Department of Neuroscience at the University of Rochester School of Medicine announces a post-doctoral position under the supervision of Drs. Kuan Hong Wang and John Foxe. The successful candidate will participate in a study supported by the National Institutes of Health (NIH). The goal of the study is to take a translational approach to development of reliable neurologic biomarkers for Batten disease and use murine models to investigate the underlying cellular mechanisms. This study is the principal project of the Intellectual & Developmental Disabilities Research Center (IDDRC) at the University of Rochester and funded by the National Institute of Child Health and Human Development (NICHD).

Batten disease belongs to a group of neurodevelopmental diseases categorized as autosomal recessive lysosomal storage disorders. Individuals with Batten disease experience progressive cognitive decline over late childhood and early adolescence. The precise neuropathologic bases of this decline are not yet well understood and objective neurologic biomarkers of disease progression are not currently available. Building on the foundational work of our UR Batten's Center and clinical electroencephalogram (EEG) studies, the successful candidate will re-deploy EEG measures in mouse genetic models of Batten disease and combine them with chronic in vivo two-photon imaging to elucidate the cellular mechanisms underlying disease progression.

Applications from a variety of disciplines will be considered, including neuroscience, neurophysiology, neural imaging, molecular genetics, cell biology, and related fields. Preference will be given to candidates with a strong background and experience in electrophysiological recording and/or optical imaging in rodent brain. The successful candidate will have completed a PhD in their field by the start of the position. An ability to work independently and good writing skills are required.

The appointee will receive mentorship and financial support for their efforts, including travel to appropriate conferences. Salary and benefits will conform to GEPA and NIH requirements, and will be commensurate with experience. The Wang and Foxe Labs are an equal opportunity employer and support individuals from a diversity of backgrounds and experience in scientific research. The start date for the project is December 1, 2020, although flexibility is possible. The initial appointment is for one year, and may be renewed depending on performance, funding and the desires of both parties.

Interested applicants should email a cover letter, their curriculum vitae, selected publications, and contact details for 3 references to:

Kuan Hong Wang, Ph.D.
Professor, Department of Neuroscience
University of Rochester Medical Center
Kuanhong_wang@urmc.rochester.edu

Only email applications will be considered. Please reference "Postdoc position" in the subject line.