Postdoctoral Research Position in Epilepsy Genetics and Preclinical Models

A POSTDOTORAL POSITION is available in the laboratory of Dr. Jennifer Kearney in the Department of Pharmacology at Northwestern University Feinberg School of Medicine, Chicago, IL.

Our research is focused on understanding the genetic basis of epilepsy and determining how genetic risk factors influence disease susceptibility and severity. We have developed and characterized several mouse models of genetic epilepsy with mutations in voltage-gated ion channels, which are the most frequently mutated class of genes in human epilepsy. The mouse models recapitulate human phenotypes and provide an ideal model system for studying disease pathophysiology, identifying genetic modifiers that influence phenotype severity and testing potential therapies. The ultimate goal of our research program is to develop genome-guided precision medicines for improved treatment of human epilepsies.

A highly motivated individual joining our team will gain experience and training with mouse model development, mammalian genomics, in vivo pharmacology and epilepsy phenotyping at the clinical, systems and cellular levels.

Required Qualifications:
1) Ph.D. or M.D./Ph.D. within the last year, or anticipated within the next six months
2) A strong publication record, including first authorship
3) Eligibility to work in the US

Desired Qualifications (one or more):
1) Experience with mouse models
2) Experience with electrophysiology and/or EEG recording
3) Experience with genetics/genomics

Application Materials
1) Cover letter with a brief summary of past accomplishments and description of research interests
2) Curriculum Vitae
3) Three signed reference letters

Complete applications should be sent as a single PDF by email to:
   Jennifer A. Kearney, Ph.D. (jennifer.kearney@northwestern.edu)
   Department of Pharmacology
   Northwestern University Feinberg School of Medicine
   320 East Superior St, Searle 8-520
   Chicago, Illinois.