Dr. Peter Goldstein at Weill Cornell Medicine in New York City has a Postdoctoral Associate position opening in his laboratory. Research in the Goldstein lab focuses on better defining the mechanisms by which a diverse group of pharmacological agents produce anesthesia. A potentially important region within the central nervous system (CNS) for contributing to the anesthetized state is the thalamus. This raises a number of basic questions, such as: What are the effects of different anesthetics on synaptic transmission in the thalamus? Do these drugs have unique effects in specific thalamic regions as a function of differences in receptor expression? GABA release is controlled by multiple mechanisms, including a variety of ion channels; is the function of those channels altered in the presence of anesthetics? The lab uses electrophysiological, immunohistochemical, and molecular biological techniques to address those issues.

We seek a post-doctoral candidate to join an academic/pharma drug discovery team. The ideal candidate will have a familiarity/expertise with heterologous ion channel expression and analysis of structure and function using electrophysiological and biochemical approaches. The successful candidate will have the opportunity to collaborate within a multidisciplinary team using cutting edge high-throughput robotic patch clamp, structural techniques, and biorthogonal conjugation chemistry to identify an anti-hyperalgesic drug-site on the HCN1 ion channel. Position available immediately.

To apply, send a tailored cover letter detailing your interest in the position and future career plans, your CV including publication record, and the contact information for three references to Dr. Goldstein at lag3004@med.cornell.edu

NOTES:

Additional Salary Information: This position is supported by NIH funding and will be paid according to NIH pay scale.