Postdoctoral position:

*GPCR regulation of synaptic transmission and plasticity in the striatum*

A postdoctoral position is immediately available in the laboratory of Kirill Martemyanov, PhD at the Scripps Research Institute on Jupiter, FL campus. We are looking for a highly-motivated and self-driven individual who wishes to work creatively in a collaborative environment.

The postdoctoral scientist will focus on understanding GPCR signaling pathways and their regulation of synaptic transmission and plasticity in neuronal circuits that control reward and motor learning using electrophysiological approaches. Specifically, the project involves delineating functional roles of several novel and emerging regulators of GPCR pathways in the striatum. The laboratory uses a multidisciplinary approach integrating behavioral characterization of genetic mouse models with live cell imaging, patch clamp electrophysiology, and advanced molecular and cellular approaches to understand mechanisms of drug addiction, movement disorders and learning disabilities (see Ostrovskaya et al., *eLIFE*, 2014, e02053 for a recent example). Please visit laboratory website at [http://www.scripps.edu/martemyanov](http://www.scripps.edu/martemyanov) for the description of current research directions.

**Requirements:** In addition to a PhD in a related scientific discipline, the candidate must have experience with electrophysiological approaches, in particular patch clamp techniques. A solid background in synaptic physiology or ion channel physiology is required. Familiarity with molecular and cellular biology, imaging techniques and mouse behavioral analysis is a plus.

To apply, please send CV, brief description of research interests and contact information of references to Dr. Kirill Martemyanov at kirill@scripps.edu. The Scripps Research Institute provides an outstanding intellectual environment and access to a wide range of cutting edge technologies and the PI is committed to the career development of trainees. TSRI embraces diversity & recognizes it as being a key to our success. EOE/M/F/V/D