

Neuroscience Seminar Series

Friday, October 25th, 2013 at 11:30 am

Salle des Thèses (5th floor Jacob building)
Centre Universitaire des Saints-Pères
45 rue des Saints-Pères, 75006 Paris

Guoping Feng

Massachusetts Institute of Technology

Dissecting Synaptic and Circuitry Mechanisms of Psychiatric Disorders

Synaptic dysfunction has emerged as a key pathology in several psychiatric disorders. Recently, large scale human genetic studies have also identified hundreds of overlapping risk genes for schizophrenia, bipolar disorder and autism. Using mutant mice as a model system, Dr. Feng will present how different synaptic defects could affect the same circuit and lead to similar behavioral defects and how mutations of the same gene could affect different circuits and contribute to different disorders.