



Compartmentalized signaling in the cerebellar cortex

Prof. Jason M. Christie

Max Planck Florida Institute for Neuroscience

Thursday, November 19th 2015, 15:00h
Life & Brain Center
Seminar Room, Ground Floor

Note: The presentation by S. H. Oliet will take place immediately following this talk, subsequently, attendees are invited to a wine and cheese reception.

Dr. Christie joined the Max Planck Florida Institute in July 2010 as Research Group Leader in Synaptic Signaling and Computation. Prior to this appointment, Dr. Christie conducted research at the Vollum Institute at the Oregon Health and Science University in Portland, Oregon, where he completed his doctoral and post-doctoral work. While at the Vollum Institute, he was awarded a National Research Service Award. He has joint faculty appointments with Scripps Florida and Florida Atlantic University.

Selected Publications

Rowan MJ, Tranquil E, **Christie JM**. (2014) Distinct Kv channel subtypes contribute to differences in spike signaling properties in the axon initial segment and presynaptic boutons of cerebellar interneurons. *J Neurosci*, 34(19): 6611-6623.

Christie JM, Chiu DN, Jahr CE. (2011) Ca²⁺-dependent enhancement of release by subthreshold somatic depolarization. *Nat Neurosci*, 14: 62-68.

Christie JM, Jahr CE. (2009) Selective expression of ligand-gated ion channels in L5 pyramidal cell axons. *J Neurosci*, 29: 1141-1145.

Christie JM, Jahr CE. (2008) Dendritic NMDA receptors activate axonal calcium channels. *Neuron*, 60: 298-307.