Publications

Recent Publications

The GTPase Rab26 links synaptic vesicles to the autophagy pathway. *Elife* 4:e0559
*Co-corresponding authors

Chua JJ. (2014)


Molecular profiling of synaptic vesicle docking sites reveals novel proteins but few differences between glutamatergic and GABAergic synapses. *Neuron.* 78: 285-29

Article selected by Faculty of 1000 (http://f1000.com/prime/718002648)
Chua JJ, Jahn R, Klopfenstein DR. (2013)

Synthesis of two distinct SAPAP3 isoforms from a single mRNA is mediated via an upstream open reading frame and alternative translational initiation. *Sci. Rep.* 2, 484; DOI:11038/ srep0048

Phosphorylation-regulated axonal dependent transport of syntaxin 1 is mediated by a
Kinesin-1 adapter.

*Proc Natl Acad Sci U S A.* 109: 5862-586

The architecture of an excitatory synapse.

*J Cell Sci.* 123: 819-92

Quantitative analysis of synaptic vesicle Rabs uncovers distinct yet overlapping roles of Rab3a and Rab27b in Ca2+-triggered exocytosis.

*J Neurosci.* 30: 13441-1345

Quantitative comparison of glutamatergic and GABAergic synaptic vesicles unveils selectivity for few proteins including MAL2, a novel synaptic vesicle protein.

*J Neurosci.* 30: 2-12.

A novel site of action for α-SNAP in the SNARE conformational cycle controlling membrane fusion.