

Special Issue

Neurotransmitter Secretion and Release

Message from the Guest Editor

It is widely acknowledged that the final steps underlying fast, synchronous exocytosis at nerve terminals involve a small cast of proteins: Synaptotagmin-1 (or, -2), the three SNARE (soluble, N-ethyl-maleimide sensitive factor attachment receptor) proteins, complexins, and muncs-13 and -18. However, in spite of significant contributions from imaging and structural biology, genetic structure-function analyses and biochemical reconstitution experiments, the field still has not converged on a description of the final steps that lead to the fusion of the synaptic vesicle membrane with the presynaptic plasma membrane. This Special Issue will focus on investigations ranging from the control of Ca²⁺ entry at nerve terminals to detailed studies of the machinery that catalyzes the membrane fusion step of regulated exocytosis.

Guest Editor

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