



Neurotransmitter Secretion and Release

Guest Editor:

Prof. Cameron Gundersen

David Geffen School of Medicine
at UCLA, Department of
Molecular and Medical
Pharmacology, Los Angeles, CA,
USA

Deadline for manuscript
submissions:

closed (24 February 2019)

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 Ca^{2+} entry at nerve terminals to detailed studies of the machinery that catalyzes the membrane fusion step of regulated exocytosis.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI