

Special Issue

Lipid-Gating and Lipid-Protein Interactions in Ion Channels

Message from the Guest Editors

Ion channels are permeation pathways for the transfer of ions across the lipid barrier of biological membranes. The impact of lipids and of lipid metabolism on channel function is still incompletely understood and considered to involve a variety of mechanistic concepts. Ion channel-lipid communication appears crucially involved in various human pathologies and has become in focus of therapeutic developments. The scope of this special issue of *Biomolecules* is to compile information on timely issues of ion channel-lipid communication, ranging from mechanistic aspects of lipid-gating in ion channels to structural insight into lipid coordination within channel complexes, new approaches for computational modeling of lipid-channel interactions and emerging pathophysiological as well as therapeutic concepts.

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Deadline for manuscript submissions

closed (30 June 2022)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/66136

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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