Special Issue

Ion Channel in Lipid Environment

Message from the Guest Editors

To further promote this exciting field, we are pleased to invite you to contribute to the present Special Issue. It focuses on revealing recent developments in methods for the study of ion channels in lipid environments, and discussing structural and functional results in particular ion channels. This Special Issue aims to focus on methods of ion channels reconstitution, as well as novel platforms for ion channel functional assay and structural determination. We also welcome papers related to the regulation of particular ion channels by membrane lipids and computational studies of ion channels in membranes. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Methods for ion channel reconstitution;
- Structural studies of ion channels in lipid environments (cryo-EM, NMR, X-ray crystallography);
- Functional studies of ion channels in lipid environments;
- Lipid regulation of ion channels;
- Computational simulations of ion channels in membranes;
- Computational designs of ion channels in membranes.

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Deadline for manuscript submissions

closed (25 August 2022)

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About the Journal

Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open accessjournal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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