Special Issue

Biomolecules in Cell Membranes: Structure and Dynamics

Message from the Guest Editors

The aim of this Special Issue is to demonstrate the newest achievements of NMR spectroscopy and other techniques applied to the membrane proteins, peptides, and small molecules positioned in a sophisticated lipid environment. We intend for this Special Issue to include structural evaluation, analysis of dynamic molecular processes, diffusion spectroscopy, and molecular dynamics simulations. Experimental studies might be supplemented with in silico modeling based on available big data sets, aiming at a structure-revealing data fusion. The submission of original as well as review articles on the above themes is most welcome.

Keywords

- NMR spectroscopy
- Membrane proteins
- 3D structure evaluation
- Membrane peptides
- NMR relaxation measurements
- Dynamic molecular processes
- Diffusion spectroscopy
- Structure modeling
- Molecular dynamics simulation

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Deadline for manuscript submissions

closed (15 December 2021)

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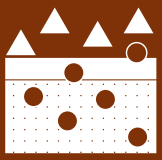

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About the Journal

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.

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