Special Issue

Membrane Architecture and Asymmetry

Message from the Guest Editors

The successful corresponding session at the EBSA2021 Congress has clearly demonstrated that recent advances in experimental approaches, measurement techniques, and simulation capabilities are bringing an ever more detailed understanding of numerous vital membrane-hosted processes, which is key for unraveling biological mechanisms and the development of exciting future applications. This Special Issue aims to highlight new insights into the composition, structure, and function of cellular membranes, as well as new ways of exploiting membrane heterogeneities in the design of model membrane systems for practical uses such as drug delivery. Original research articles and reviews are welcome; we encourage prior deposition of manuscripts onto preprint repositories (e.g. bioRxiv). We look forward to receiving your contributions. **Keywords:**

- Cellular membranes
- Model biomembranes
- Lipids
- Membrane proteins
- Lipid-protein interactions
- Membrane heterogeneities
- Leaflet asymmetry
- Signaling
- Trafficking
- Membrane dynamics
- Plasma membrane biophysics

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/96993

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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

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