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Membrane Architecture and Asymmetry

Guest Editors:

Dr. Iztok Urbanič

Laboratory of Biophysics,
Condensed Matter Physics
Department, “Jozef Stefan”
Institute, Jamova 39, 1000
Ljubljana, Slovenia

Dr. Falk Schneider

Fraser Lab, Translational Imaging
Center, Michelson Center for
Convergent Bioscience,
University of Southern California,
1002 Childs Way, Los Angeles, CA
90089, USA

Deadline for manuscript
submissions:

closed (31 March 2022)

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 biogenesis



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Editor-in-Chief

Prof. Dr. Spas D. Kolev
School of Chemistry, The
University of Melbourne,
Melbourne, VIC 3010, Australia

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 access journal 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, energy (AFC), medicine, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The journal is a multidisciplinary journal, covering the scientific community and the general public. *Membranes* is indexed in PubMed, PMC, CAPLus / SciFinder, Inspire, and Scopus. The journal is also included in the CiteScore and JCR (Chemistry, Physics) lists. We would be pleased to welcome you as one of our authors.

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Contact Us

Membranes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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