Special Issue

Membranes Biophysics: Theory and Experiment

Message from the Guest Editor

We are pleased to invite you to the Special Issue "Membranes Biophysics: Theory and Experiment". The cell membrane, which consists of various lipids and proteins, plays vital roles in maintaining the proper functions of the cell. Revealing the detailed interactions between its components will be essential for its biological functions. For example, due to the differential preferences between different lipids and proteins, the cell membrane can segregate into a series of liquid-ordered (*Lo*, raft-like) and liquid-disordered (*Ld*, non-raft-like) membranes domains. The comprehensive factors that determine the intra-leaflet and inter-leaflet dynamics of these membrane domains are still to be achieved. Additionally, how lipid compositions or the presence of these membrane domains affect the structure and dynamics of membrane proteins including both transmembrane and membrane-bound proteins still need to be systematically summarized and further studied.

Guest Editor

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Deadline for manuscript submissions

closed (28 July 2023)

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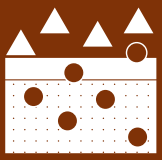

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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