

Special Issue

The Structure, Dynamics and Function of Membrane Proteins

Message from the Guest Editor

The aim of this Special Issue is to highlight how recent advances in X-ray crystallography, cryo-EM and nuclear magnetic resonance (NMR) may allow us to shrink this knowledge gap and to provide novel ideas for therapeutics development, particularly keeping in mind that a large portion of drug targets belong to the above class of proteins. We are pleased to invite you to submit your original research articles as well as comprehensive reviews. Research areas may include (but are not limited to) the following topics related to membrane proteins:

- Structural studies, correlated with functional states;
- Investigations of lipid binding/bilayer associations;
- Cross-membrane signaling, post-translational modifications;
- Characterization of dynamics or order/disorder transitions upon ligand binding or mutations;
- Introduction of novel membrane mimetics.

We look forward to publishing your outstanding work in this Special Issue.

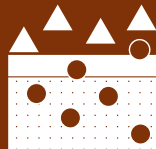
Guest Editor

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Deadline for manuscript submissions

closed (20 December 2022)



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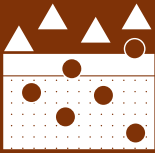


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About the Journal

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 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, 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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