Special Issue

Membrane Regulation of Protein Function

Message from the Guest Editors

There is growing evidence that the lipid matrix of cellular membranes plays a significant role in regulating protein activity and signal transduction across the membrane. The community researching lipid–protein interaction approaches the topic from different aspects:

- Mechanical regulation of proteins by changing elastic parameters of the lipid membrane, such as surface tension for mechanosensitive proteins;
- Protein–lipid clustering into nanodomains due to preferred partitioning toward the liquid-ordered or liquid-disordered phase;
- Protein clustering of water-soluble proteins triggered by interaction with a lipid membrane;
- Regulation of protein activity by specific interaction with lipids;
- Folding of peptides and intrinsically disordered proteins onto lipid membrane, and more.

The current issue aims to cover the progress in understanding the interplay between the protein function and state/composition of the lipid membrane.

Guest Editors

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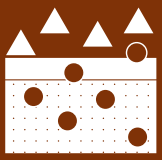

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Message from the Editor-in-Chief

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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