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Recent Progress in Protein Regulation by Membranes: Structure, Function, and Dynamics

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Deadline for manuscript
submissions:
closed (30 April 2024)

Message from the Guest Editors

We are excited to announce a call for submissions to our Special Issue, which aims to explore the intricate molecular mechanisms that govern cellular processes at the membrane interface.

Potential topics of interest include, but are not limited to, the following:

- **Structure–Function Relationships at Membrane Interfaces:** Articles unravelling the complex interactions between proteins and membranes and their roles in crucial cellular functions, including signaling pathways, trafficking, cytoskeleton dynamics, and energy transformations.
- **Insights into Protein–Membrane Dynamics:** Studies that elucidate the fundamental principles of bidirectional dynamic protein–lipid interactions and multi-protein dynamic network interplay on membranes, using biophysical approaches or molecular modeling.
- **Technological Advances and Applications:** Insights from studies of protein–membrane interactions can have significant implications for biotechnological advancements. Contributions may include research with applications in developing cutting-edge biosensors, bioenergy devices, and other biotechnological innovations.



mdpi.com/si/190566

Special Issue



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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 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.

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