

Special Issue

Interaction of Proteins with Biomembrane

Message from the Guest Editors

The plasma and intracellular membranes are characterized by differing lipid compositions that enable proteins to localize to distinct subcellular compartments. A large number of proteins are known to interact with subcellular and cell membranes. Lipid-protein interactions determine protein conformations and protein-protein interactions, both of which, in turn, precisely regulate the localization and activation of molecular complexes at the respective membranes. Furthermore, membrane-bound proteins can control lipid/protein lateral diffusion and clustering, membrane fluidity, and membrane tension, which can induce intracellular signaling. These signaling pathways play crucial roles in various cellular processes such as cell migration, morphogenesis, membrane trafficking, and signal transduction. However, due to the complexity of the abundant protein-protein interactions within a cell, the exact molecular mechanisms by which proteins interact with lipids at the membrane interface remain unclear.

Guest Editors

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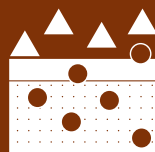
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You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published 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

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