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Protein–Lipid Interactions: Recent Studies, Perspectives, and Challenges

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Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to this Special Issue on “Protein–Lipid Interactions: Recent Studies, Perspectives, and Challenges”. Biological membranes are complex heterogeneous systems composed of lipids, proteins, and carbohydrates. Membranes facilitate essential biological functions that are driven by protein–lipid interactions, in a highly dynamic manner. Nevertheless, many questions related to the chemistry and physics of lipids and proteins are still not understood today. The lack of proper understanding of molecular mechanisms important for the functioning of the biological membranes also hinders practical applications in the industries.

This Special Issue aims to analyze and cover a broad spectrum of protein–lipid interactions and present new information in this area of research. Data on the organizational principles of cell membranes, the structure and function of membrane and lipid binding proteins, the mechanistic details of these interactions, and the study of protein–lipid interplay in vital biological functions may be presented.



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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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