

Special Issue

Lipid Binding and Transfer Proteins

Message from the Guest Editor

Lipid binding and transfer proteins have been isolated from bacteria, plants, yeasts, and mammals, including humans. These proteins are able to interact with lipid ligands due to the presence of hydrophobic pockets, hydrophobic cavities, or specialized domains in their structure. These proteins carry out the extracellular and intracellular transport of a wide range of hydrophobic molecules, including fatty acids, phospho-, glyco- and sphingolipids, sterols, as well as different secondary metabolites. As a result, they are involved in a variety of processes in living organisms such as lipid metabolism, signal transduction, autophagy, endocytosis, membrane transport, and stress protection, among others. The aim of this Special Issue is to bring together manuscripts devoted to the study of the diversity and structural features of these proteins, the mechanisms of binding and transfer of hydrophobic ligands, as well as their important physiological role and possible application in various spheres of human life. Reviews, short communications, and original research articles are invited for publication.

Guest Editor

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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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