

Lipid Binding and Transfer Proteins

Guest Editor:

Dr. Ekaterina I. Finkina

M.M. Shemyakin & Yu.A.
Ovchinnikov Institute of
Bioorganic Chemistry, Russian
Academy of Sciences, 117997
Moscow, Russia

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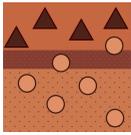
Message from the Guest Editor

Dear Colleagues,

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.

Dr. Ekaterina I. Finkina





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School of Chemistry, The
University of Melbourne,
Melbourne, VIC 3010, Australia

Message from the Editor-in-Chief

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Membranes Editorial Office
MDPI, Grosspeteranlage 5
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