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Interactions and Structural Details of Biomembranes Revealed by Magnetic Resonance

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Message from the Guest Editors

Dear Colleagues,

This Special Issue, titled “Interactions and Structural Details of Biomembranes Revealed by Magnetic Resonance”, aims to explore the interactions between molecules and the structural details of biological membranes by nuclear magnetic resonance spectroscopy (NMR) or electron-spin resonance (ESR). It will focus on the use of NMR and/or ESR to study the structures, dynamics, and interactions of biomembranes both in vitro and in vivo. We invite researchers to submit original research articles as well as review articles that explore the use of magnetic resonance to study the structure, dynamics, and structure-related activity of molecules in biomembranes.

Thus, this Special Issue titled “Interactions and Structural Details of Biomembranes Revealed by Magnetic Resonance” will provide a platform for researchers to share their latest findings and discuss the potential of ESR and high-resolution or solid-state NMR spectroscopy in elucidating the structure, dynamics, and interactions of biomembranes.

We look forward to receiving your contributions.

Prof. Dr. Vladimir Vasilevich Klochkov

Dr. Sergey Vladimirovich Efimov

Guest Editors



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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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