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Biophysics and Mechanics of Cell Membranes

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Deadline for manuscript submissions:

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Message from the Guest Editors

The goal of this Special Issue is to gather a collection of substantial advances made in the fundamental and application-oriented study of cell membrane. We welcome contributions in the form of reviews and original research papers reporting recent theoretical and experimental efforts in areas including, but not limited to, the following: membrane-mediated cell adhesion, measurement techniques for cellular mechanics, membrane–protein interactions, cross-membrane transport, computational modelling of biological membrane, shape evolution of the cell/nuclear membrane, endocytosis of nanoparticles, cell/bacteria division, membrane damage and repairing, and viral budding.

Keywords:

- Nuclear membrane
- Computational modeling of biological membranes
- Membrane–protein interactions
- Cell adhesion
- Cellular uptake of nanoparticles
- Cross-membrane transport
- Shape evolution of membrane
- Lipid dynamics
- Membrane damage and repairing
- Cell and bacteria division
- Measurement techniques for cellular mechanics
- Mechanosensitive channels





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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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