Special Issue

Membrane-Active Proteins/Peptides: Mechanism and Biomedical Applications

Message from the Guest Editor

Many biologically active proteins and peptides exert their activity on the cell membrane. The mechanism by which they act on the cell membrane may be to destroy the cell membrane, form a pore structure in the membrane, enter the cell to destroy the integrity of the organelle membrane structure, or trigger the cell signal transduction pathway by interfering with the cell membrane structure. These effects can be further applied to biomedical research or the development of biopharmaceutics to display antibacterial or anti-cancer effects. In addition, the technology of protein engineering, chemical modification or formation of complexes with lipids can further enhance the biological activity of proteins and peptides on the membrane, and even convert non-biologically active proteins/peptides to actively interact with biological membranes. This special issue will focus on the mechanism of protein/peptide-membrane interaction and its biomedical applications.

Guest Editor

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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 accessjournal 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

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