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Modern Studies on Membrane-Targeting Antimicrobial Peptides

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Deadline for manuscript submissions:
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Message from the Guest Editors

Over the past decades, thousands of natural antimicrobial peptides (AMPs) have been isolated from representatives of all kingdoms of life. Most of them are genetically encoded products of ribosomal synthesis that undergo minor post-translational modifications. Thanks to the development of NGS technologies, a huge number of potentially active homologous structures have been identified in the sequenced genomes and transcriptomes of many prokaryotic and eukaryotic species.

This Special Issue is aimed at demonstrating recent advances in the study of the structure and functional activity of natural and artificial membrane-targeting AMPs, the study of physicochemical and biological aspects of their mechanism of action, including interaction with lipid or protein components of target cell membranes. The data obtained on living cells and simplified model systems, such as micelles or liposomes, may be presented, which may be supported by in silico simulations. Both experimental articles and reviews are welcome.

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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.

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