



Membrane-Active Proteins/Peptides: Mechanism and Biomedical Applications

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Message from the Guest Editor

Dear Colleagues,

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.





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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).

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