

Special Issue

The Structure and Function of Membrane-Binding Peptides

Message from the Guest Editor

There are several classes of peptides, including antimicrobial and cell-penetrating peptides, which are notable for their interactions with lipid bilayers. These peptides can exhibit drastic conformational changes as they transition from solution to bilayer environments, and their effects range from passive diffusion through the bilayer to large-scale bilayer perturbations, including the formation of pores and cell lysis. Due to these characteristics, membrane-binding peptides are increasingly being investigated for their relation to human disease and potential use as therapeutics. We invite you to submit an article that furthers our understanding of the structure–function relationship of membrane-binding peptides. Ultimately, we seek articles that enrich our understanding of the underlying physicochemical mechanisms of action of these peptides through experimental or molecular simulations. In this Special Issue, we welcome original research articles and reviews. I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

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