



Membrane Proteins in Human Health and Disease

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Message from the Guest Editor

Membrane proteins function in virtually all aspects of biology. On account of their diverse roles, membrane protein mutations can cause misfolding, maltrafficking, and dysfunction, leading to significant human pathophysiologies. Additionally, because membrane proteins are at the heart of signal transduction and material transport, this class of proteins comprises the most common targets for therapeutic intervention.

This Special Issue will comprise a selection of research papers and reviews that probe functional, structural, and dynamical aspects of the roles that membrane proteins play in human health and disease. In particular, molecular-based studies of ion channels, G-protein coupled receptors, transporters, and other family member studies that provide mechanistic insight into function or dysfunction are the primary foci for this Issue. This includes computational-, structural-, biochemical-, and biophysical-based investigations, broadly speaking. Pure clinical or investigational studies are not suitable for this Issue; however, clinical submissions with biomolecular experiments are welcomed.





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Message from the Editor-in-Chief

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