

Special Issue

Membrane Proteins in Human Health and Disease

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 pathophysiology. 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.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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