

Special Issue

Overcoming Biological Barriers: Importance of Membrane Transporters in Homeostasis, Disease, and Disease Treatment

Message from the Guest Editor

The flux of substances across the plasma membrane is important for cellular life. Many different substances (signal molecules, nutrients, metabolites, xenobiotics, drugs) use transport proteins (transporters) to overcome this biological barrier. Therefore, transport systems play an important role in maintaining homeostasis and in the handling of drugs. Changes in the function of transporter systems can impair homeostasis, cause disease or modify the efficacy of disease treatment with drugs. This Special Issue aims to collect the newest information on transporters, with a special focus on their function and regulation, their pathological roles and their importance for drug effects and unwanted side effects.

Guest Editor

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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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