



## Transporters in Health and Disease

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Deadline for manuscript  
submissions:

**30 January 2025**

### Message from the Guest Editor

Transporter proteins play a crucial role in maintaining cellular physiology, metabolism, and signaling by facilitating the movement of water and various solutes, such as inorganic and organic ions, hormones, amino acids, sugars, and other substances, across biological membranes. Additionally, they can mediate the transport of environmental toxins, xenobiotics, and drugs across the plasma membrane. This is particularly important for hydrophilic drugs, which often rely on transporters to reach their target sites or be effectively cleared from the body. Alterations in the function or expression of these transporters can lead to cellular dysfunction and contribute to the development of diseases. Conversely, the presence of disease can also impact the expression and function of transporters.

This Special Issue will compile the latest insights into the role of transporters in health and disease and their pharmacological and toxicological implications. We invite submissions of original research articles and reviews.





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## Message from the Editor-in-Chief

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