



Transport of Drugs through Biological Barriers—an Asset or Risk

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Message from the Guest Editors

Dear Colleagues,

Drug transport across biological barriers in humans and animals plays a key role in drug delivery to a biological target. Insufficient drug transport is a serious obstacle to a drug's intended activity. In some cases, however, undesired compounds are absorbed through biological barriers (e.g., the skin, placenta or blood–brain barrier), posing a danger to humans and animals alike.

This Special Issue primarily focuses on (but it is not limited to) the following:

- In vivo, in vitro or in silico studies of drug transport through biological membranes;
- Compound absorption from the gastro-intestinal tract, through skin or mucous membranes;
- Pulmonary or ophthalmic absorption;
- Transport of unwanted chemicals through the placenta or to mothers' milk;
- Blood–brain barrier transport of xenobiotics;
- Human and animal absorption of environmental contaminants via different routes;
- Studies of compounds' drug-likeness;
- QSAR permeability studies;
- Alternative drug delivery routes—novel methods or formulations.





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