

Special Issue

Organic Cation Transporters

Message from the Guest Editors

With this Special Issue of *Biomolecules*, we would like to promote progress and cooperation in OCT research.

1) All about biochemical pharmacology of OCTs. Notably, for the majority of organic cations even the genetic identity of the pharmacokinetically relevant OCTs has not yet been revealed.

2) Classical and advanced approaches in bioinformatics related to OCTs. That should allow a comprehensive understanding of substrate spectra of OCTs and molecular interactions between OCTs and their substrates.

3) Regulation of the expression and activity of organic cation transporters by genetics, epigenetics and environmental factors. Additionally, the organ-specific versus ubiquitous expression of OCTs is still not well understood. Improvements to this knowledge would help to understand variation in pharmacokinetics and in the therapeutics or adverse effects of cationic drugs.

4) More about the role OCTs play in the disposition of endogenous molecules and of molecules from microbial and plant metabolomes to which we are always exposed from nutrition and from our microbiomes in health and disease.

Other suggestions and contributions to the understanding of OCTs are also welcome.

Guest Editors

Prof. Dr. Jürgen Brockmüller

Institute of Clinical Pharmacology, University Medicine Göttingen,
Georg August University, Robert-Koch-Str. 40, D-37075 Göttingen,
Germany

Prof. Dr. Salvatore Cisternino

Faculté de Pharmacie, Hôpital Necker-Enfants Malades, Université
Paris Cité, INSERM UMR-S 1144, 4, Avenue de l'Observatoire, 75006
Paris, France

Deadline for manuscript submissions

closed (28 March 2023)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/132728

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)