



Biogenic Amines, Their Receptors and Transporters in Health and Disease: Commemorative Issue in Honor of Professor Marc G. Caron (1946–2022)

Guest Editors:

Dr. Raul Gainetdinov

Dr. Bruno Giros

Dr. Jean Martin Beaulieu

Dr. Stephen S.G. Ferguson

Deadline for manuscript
submissions:

31 January 2025

Message from the Guest Editors

Biogenic amines, derivatives of amino acids, are represented by well-known monoaminergic neurotransmitters and hormones, such as dopamine, serotonin, norepinephrine, epinephrine, histamine and less-investigated amines, including trace amines beta-phenylethylamine, tyramine, tryptamine and others. Their actions in the central and peripheral nervous system are almost exclusively mediated by their respective G-protein coupled receptors (GPCRs) and regulated by the plasma membrane transporters. Numerous vital functions of organisms are regulated by biogenic amines that specifically target receptors in a range of human disorders. This Special Issue will focus on recent advances in understanding the role of biogenic amines as well as their receptors and transporters in health and disease and their contribution to modern pharmacology. This Special Issue is dedicated to Professor Marc G. Caron for his pioneering work and invaluable contribution to these fields.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Biomolecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
X@Biomol_MDPI