



New Insights into Metabotropic Glutamate Receptors

Guest Editor:

Prof. Dr. Ferdinando Nicoletti

Department of Physiology and Pharmacology "Vittorio Erspamer", Sapienza Università di Roma, Rome, Italy

Deadline for manuscript submissions:

31 March 2025

Message from the Guest Editor

Metabotropic glutamate receptors were discovered 40 years ago (Sladeczek et al., *Nature*, 1985), and since the cloning of the first mGlu receptor subtype (Masu et al., *Nature*, 1991), they have attracted the interest of neuroscientists, with an impressive number (>11400) of research and review articles being published. Although mGlu receptors have been extensively studied in neurons, they are also present in astrocytes, oligodendrocytes, microglia, cells of peripheral organs, immune cells, and stem/progenitor cells. mGlu1 and mGlu3 receptors have been linked to the pathophysiology of malignant melanomas and malignant gliomas, respectively, and mGlu5 receptor blockade holds promise in the treatment of liver disorders. All this will be discussed at the 11th International Meeting on Metabotropic Glutamate Receptors (Taormina, Italy, October 5, 2024) and the Satellite Meeting (September 30, Taormina, Italy, 2024). This Meeting will be the launch platform for this Special Issue (SI), entitled "New Insights into Metabotropic Glutamate Receptors". This Special Issue aims to incorporate research articles, review articles, position papers, and viewpoints.





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