



Matrix Metalloproteinases in Health and Disease 4.0

Guest Editor:

Prof. Dr. Raffaele Serra

Department of Medical and
Surgical Sciences, University
Magna Graecia of Catanzaro,
88100 Catanzaro, Italy

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

Dear Colleagues,

Matrix metalloproteinases (MMPs) are members of an enzyme family that are critical for maintaining tissue allostasis. MMPs can catalyze the normal turnover of an extracellular matrix (ECM) together with other metalloproteinases such as the ADAMs (a disintegrin and metalloproteinase) and ADAMTS (a disintegrin and metalloproteinase with a thrombospondin motif) families. MMP activity is also regulated by a group of endogenous proteins, called tissue inhibitor of metalloproteinases (TIMPs). All these proteins have a pivotal role in normal physiological processes involving ECM remodeling, such as wound healing, embryogenesis, angiogenesis, bone remodeling, immunity, and the female reproductive cycle.

In the last few years, MMPs have been found to have an important role in the field of precision medicine, as they may serve as biomarkers that may predict an individual's disease predisposition, state, or progression.

The aim of this Special Issue is to explore the most recent findings in this field that may have an impact on healthcare systems.

We look forward to receiving your submission.

Prof. Dr. Raffaele Serra
Guest Editor





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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