Special Issue

Molecular and Cellular Mechanisms of Action of Markers of Tissue Degeneration

Message from the Guest Editors

Dear colleagues, Mammalian tissue degeneration plays a major role either at the onset or in the early stages of many chronic diseases and insults to human health. A common feature of these threats to human health is that they initially develop slowly until tissue degeneration reaches an irreversible critical point. This critical point is currently associated with the activation of the proteases inducing cell death by apoptosis, necrosis or lysosomal dysfunction (including autophagocytosis).

It is the aim of this Special Issue to focus on recent advances in the molecular mechanisms of biological dysregulation in the early and yet reversible stage of mammalian tissue degeneration.

Guest Editors

Prof. Dr. Carlos Gutierrez-Merino

Professor of Biochemistry and Molecular Biology, Department of Biochemistry and Molecular Biology, Faculty of Sciences, and Institute of Molecular Pathology Biomarkers, University of Extremadura, Badajoz, Spain

Prof. Dr. Ana M. Mata

Departamento de Bioquímica y Biología Molecular y Genética, Facultad de Ciencias, Universidad de Extremadura and Instituto de Biomarcadores de Patologías Moleculares, Universidad de Extremadura, 06006 Badajoz, Spain

Deadline for manuscript submissions

closed (28 February 2021)



International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/23601

International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

mdpi.com/journal/ ijms





International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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

