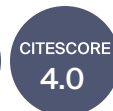




biology



an Open Access Journal by MDPI

Cellular and Molecular Mechanisms of Anaphylaxis: Lessons from Animal Models

Guest Editors:

Prof. Dr. Abdelouahab Bellou

1. Department of Emergency
Medicine, Wayne State University
School of Medicine, Detroit, MI
48201, USA

2. Institute of Sciences in
Emergency Medicine, Guangdong
Provincial People's Hospital,
Guangdong Academy of Medical
Sciences, Guangzhou 510080,
China

Prof. Dr. Paul Michel Mertès

Anaesthesia, Intensive Care and
Perioperative Medicine, Nouvel
Hôpital, Civil, Strasbourg
University Hospital, 67000
Strasbourg, France

Message from the Guest Editors

The pathophysiological mechanisms of anaphylaxis are still under investigation. Despite intensive research produced by different groups at the international level, these mechanisms are still poorly understood. The role of pre-formed and neo-formed mediators in the onset of anaphylactic shock has been well explored, but their involvement at the cellular level remains to be clearly defined.

In this Special Issue, we propose the presentation of our promising results on the inhibition of enzymes producing H₂S which restores blood pressure. The mechanisms of hypovolemia linked to plasma transudation by disruption of cell junctions will also be discussed. Finally, the genomic mechanisms of the production of many mediators will be discussed in a systematic review of the literature.

Deadline for manuscript
submissions:

closed (31 December 2023)



mdpi.com/si/100632

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

Contact Us

Biology Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/biology
biology@mdpi.com
X@Biology_MDPI