



Non-classical Signaling of Steroid Hormones and Their Specific Receptors: Physiological and Pathophysiological Implications

Guest Editor:

Prof. Dr. Georgios Scheiner-Bobis

Institute for Veterinary-
Physiology and -Biochemistry,
School of Veterinary Medicine,
Justus-Liebig-University, 35390
Giessen, Germany

scheiner-bobis@vetmed.uni-
giessen.de

Deadline for manuscript
submissions:

31 January 2023

Message from the Guest Editor

Dear Colleagues,

Rapid non-classical actions of steroid hormones that originate at membrane receptors are of great physiological and also pathophysiological importance. However, a comprehensive reference work that includes current knowledge dealing with these aspects is missing. Therefore, I would like to invite specialists, whose research focuses on the actions of a specific steroid hormone and its corresponding membrane receptor, to share their expertise within the framework of the Special Issue.

I would like to ask the contributors to cover the following topics in their manuscripts:

1. Classical actions of the respective SH. Firm background information concerning original knowledge about the interactions of SH with its cytosolic/nuclear SHR;
2. Non-classical actions of the respective SH;
3. Importance of these interactions in health and disease (physiological and pathophysiological significance of SH/mSHR interactions);
4. The mSHR as pharmacological target (agonists and antagonists of the SH/mSHR interactions and perspectives for their therapeutic applications).





biology

IMPACT
FACTOR
5.168

Indexed in:
PubMed

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, CAPus / SciFinder, and other databases.

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

Contact Us

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

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

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