



Inflammatory/Immune Modulations by Old and New Glucocorticoids: From Cell to Medical Application

Guest Editor:

Assoc. Prof. Dr. Giuseppe Nocentini

Department of Medicine,
University of Perugia, 06129
Perugia, Italy

Deadline for manuscript
submissions:

closed (23 October 2018)

Message from the Guest Editor

Dear Colleagues,

Despite their venerable age, glucocorticoids still challenge and surprise us. Their widespread use in clinical practice and their surprisingly tissue-specific actions in maintaining body homeostasis demand further studies to fully decipher their mechanisms of action. At the cellular levels, some evidence suggests that glucocorticoids modulate differentiation and survival of regulatory T cells and tolerogenic macrophages, possibly by shaping the long-term maturation of the immune system. The growing awareness concerning the effects of glucocorticoids on neuroendocrine system and behavior has created an urgent need to investigate the glucocorticoid-dependent neural network shaping.

Finally, new molecules modulating the activity of GR or mimicking the effect of GR activation are investigated with interesting results.

This Special Issue of IJMS may summarize these issues and shed new light on some of these in the glucocorticoid field.

Assoc. Prof. Dr. Giuseppe Nocentini

Guest Editor





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI