



Immunological Nudging – Maintaining Vigilance and Reactivity

Guest Editor:

Prof. Dr. Gysbert-Botho van Setten

Dept. of Clin Neurosciences,
Karolinska Institutet, Stockholm,
Sweden

gysbert-botho.vansetten@sll.se

Deadline for manuscript
submissions:

31 December 2021

Message from the Guest Editor

Immunology is regulated with regulatory systems that are fine-tuned in a constant homeostasis. The prerequisite of the ability to react immediately as needed in this system of defense is a constant availability of regulative mechanisms turning on and off in interaction with each other. Swift effective response requires anticipation. Only by constant availability of all components necessary for effective functionality of each regulatory unit is a swift immunological response in full coordination with all regulatory units possible. It is suggested to introduce the term immunological nudging, for the constant subclinical external stimuli that keep all components of the system in good functional condition and reactive capacity. Due to the constant soft push on the activation of autoregulatory mechanisms, such immunological nudging guarantees the availability of immediate immunological response ability by constantly, usually subclinically, activating and silencing each regulatory unit. It is suggested that the constant activation and deactivation of major regulatory circuits in perfect harmony maintains the readiness to immediate immunological reaction.





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, CAPus / SciFinder, and many other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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