



Insulin Pathways for Therapeutic Intervention

Guest Editor:

**Prof. Dr. Ignacio Torres
Aleman**

Systems Neurobiology, Cajal
Institute (CSIC), Madrid, Spain

Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editor

Dear Colleagues,

Pleiotropy of insulin and its related peptides (ILPs), particularly IGFs, makes ILP pathways of great therapeutic potential, as an ever increasing number of pathologies are being recognized to involve deficient ILP activity. On top of the classical endocrine-related maladies, where the role of ILPs is well established, such as metabolic and growth disorders associated in turn to cardiovascular, bone, and renal disturbances, compelling evidence indicates that ILPs are involved in brain diseases, circadian disruption, and even tumor pathology. Together with the relatively recent advent of geroscience as a target of medical intervention, and given the prominent role of ILPs in normal and pathological aging, we may consider that pathways involved in ILP signaling constitute a major source of druggable targets as they encompass all the main types of human diseases. A better understanding of inter- and intracellular ILP communication as well as their molecular mediators is therefore of paramount medical importance.





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