

Special Issue

Insulin Pathways for Therapeutic Intervention

Message from the Guest Editor

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.

Guest Editor

Prof. Dr. Ignacio Torres Aleman

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

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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