

Special Issue

Metabolism Signaling and Gene Regulation in Human Health

Message from the Guest Editor

Substrates bring about cellular changes by triggering signaling networks and through the regulation of specific genes required to adapt and survive a specific physiological state, which is apparent when a cell is exposed to either over nutritional or under nutritional state. In addition, various pathological states will impact the ability of cells to handle the nutrients. Proteins from the membrane surface to other major cellular compartments like cytosol, mitochondria, and the nucleus coordinate normal cellular functions. A lack of coordination leads to disease state due to various triggers. We are interested in receiving original and review articles that encompass metabolic signaling and gene regulation under various states. These include healthy state, during short and long-term fasting, during exercise, and disease states like diabetes, obesity, insulin resistance, ischemia, infection, inflammation, cancer, and neurodegeneration. How metabolic signaling and gene regulation will be altered in health and disease states will be the major focus. We anticipate having your outstanding contribution in this Special Issue.

Guest Editor

Dr. Prasanth Puthanveetil

Department of Pharmacology, College of Graduate Studies, Midwestern University, Downers Grove, IL 60515, USA

Deadline for manuscript submissions

closed (30 September 2022)



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

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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