

Special Issue

Central and Peripheral Molecular Mechanisms of Metabolism Regulation

Message from the Guest Editors

Control of the peripheral organ metabolism and the whole-body energy homeostasis are realized through a tight integration among hormonal, dietary, and nervous physiological mechanisms. Dietary nutrients and drugs, acting on peripheral targets directly, affect metabolism and inflammatory processes which, in turn, influence eating behavior and impact the course of many diseases; similarly interesting are the molecular mechanisms linking cell metabolism and growth for the understanding of metabolic alteration in cancer cells.

To contribute to a greater knowledge in this field, the aim of this Special Issue is to collect original papers and reviews dealing with central and peripheral molecular mechanisms underlying metabolism regulation and their disruption in diseases with significant metabolic implications, including cardiovascular diseases, obesity, neurodegenerative diseases, and cancer. Papers addressing dietary and hormone molecular mechanisms of control of adipose tissue, muscle, bone or liver metabolism as well as central molecular mechanisms of metabolism control and energy balance are welcome.

Guest Editors

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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.

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