

Special Issue

Emerging Role of Lipids in Metabolism and Disease

Message from the Guest Editors

Although initially regarded as a passive method of energy storage, lipids are now considered molecules with pivotal structural and functional roles. Notably, they serve as integral components of cellular membranes and act as crucial messengers in the regulation of cell homeostasis. In recent years, the role of lipids in homeostasis maintenance, derived from both nutrition and endogenous biosynthesis, attracted the interest of several researchers because of its involvement in human health. Lipid disorders are at the root of several diseases characterized by altered lipid metabolism in different tissues. Metabolic syndrome and cardiovascular disease, for instance, are closely related to these metabolic dysfunctions. Moreover, connections with misbalances of cholesterol homeostasis in neurodegenerative and neurodevelopmental disorders have also been demonstrated. Thus, the aim of this Special Issue is to gather research papers focused on this topic and, therefore, bring to the forefront new insights into physiopathological aspects of lipid disorders.

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Deadline for manuscript submissions

closed (25 April 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/33392

*International Journal of
Molecular Sciences*
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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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