

Special Issue

Amino Acid Metabolism and Disease

Message from the Guest Editor

Amino acids are better known as the building blocks of proteins, but their roles extend to the synthesis of other key compounds for the function of any organism and even the post-translational modification of proteins. Pathways of amino acid metabolism are interconnected to recycle essential amino acids, thus guaranteeing their supply under unfavorable conditions, but also with energy metabolism. Vitamins and cations are important for enzymes in these routes, further linking amino acid metabolism to nutrition, an aspect to be considered in pathological states where patients tend to change their habits or decrease their daily food ingestion. Moreover, human mutations in genes involved in amino acid metabolism are constantly being discovered, studied, and linked to a variety of outcomes, including major and rare diseases. This Special Issue is focused on these additional roles of amino acids, how pathological impairments of their metabolism impact cell function, and whether they can be prevented or ameliorated by drugs and/or nutritional interventions.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*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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