

Special Issue

The Role of Aminotransferase in Human Health and Disease

Message from the Guest Editors

Aminotransferases (ATs) are enzymes that catalyze the interconversion of amino acids and α -keto acids. Their importance is primarily related to the metabolism of amino acids, as both the energy source and components of synthesized proteins. Transamination reactions also play a crucial role in the synthesis of bioactive compounds, as well as in the degradation of potentially toxic metabolic products. In addition, thanks to their capability of introducing amino groups into ketones or keto acids, ATs have useful applications in the chemical industry. Finally, serum levels of specific transaminases in the blood represent a biomarker for the diagnosis and prognosis of many diseases. Papers related to any molecular aspect of ATs role in human health and disease, will be considered for this Special Issue. Experimental and bioinformatics papers, up-to-date review articles, and commentaries are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



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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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