

Special Issue

Decoding the Complex Crossroad of Tryptophan Metabolic Pathways

Message from the Guest Editors

Tryptophan (Trp) is an essential aromatic amino acid obtained from the dietary intake in humans. It acts as a building block for protein synthesis and represents a crossroad of different metabolic pathways, generating a plethora of metabolites. Trp metabolites are not mere byproducts, but they play relevant physiologic functions, ranging from the neurological to the immunological functions. Overall, the central role of the Trp metabolism in health and human disease requires further advances. Interestingly, deciphering the complex cross-talk between the metabolic pathways active in the host and in the microbiota will improve the understanding of the pathogenesis of several human diseases and thus open innovative therapeutic opportunities. The current Special Issue offers the opportunity of collecting high-quality publications on various aspects of the Trp metabolism, to provide an interdisciplinary view of the topic that overarches from the methodologic procedure for the specific and quantitative identification of Trp metabolites in different biological samples to experimental observations in different disease models to highlight potential drug targets and therapeutic approaches.

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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