

## Special Issue

# Molecular Insights into Serotonin

### Message from the Guest Editor

Serotonin is an important monoamine that mainly acts via seven receptors. These receptors play roles in probably all cells of the human body. Hence, the functions of most organs are intimately controlled by serotonin receptors. The production and degradation of serotonin also occurs in more than one cell type in each organ. We are increasingly aware that serotonin and its receptors play roles in development and ageing of humans. Based on these findings, serotonin receptors are the basis of various pharmacologically useful drugs. Disease encompasses migraine, depression, possibly schizophrenia, some gastrointestinal diseases, etc., as well as general diseases such as sepsis. Drugs not only stimulate or inhibit the function of serotonin receptors but also inhibit the formation or degradation or the transport of serotonin through biological membranes. This Special Issue will foster molecular-level research by combining original novel research papers with reviews that deepen our understanding of the field and find discrepancies in the literature, explain how they should be resolved, and identify new research areas using novel techniques.

### Guest Editor

Prof. Dr. Joachim Neumann

Institute for Pharmacology and Toxicology, Medical Faculty, Martin Luther University Halle-Wittenberg, 06097 Halle, Germany

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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