Special Issue

Molecular Research on Rett Syndrome and Related Disorders

Message from the Guest Editor

Rett Syndrome (RTT) is a serious lifelong neurodevelopmental disorder mainly caused by mutations in the methyl-CpG-binding protein 2 gene (MECP2; OMI#300005). However, many atypical cases of Rett syndrome have been associated with mutations in other genes, such as the X-linked cyclin-dependent kinase-like 5 (CDKL5; OMIM #300203) or the Forkhead box G1 (FOXG1; OMIM #164874). In addition, in recent years, more genes have been related to the RTT-like phenotype, and some of these genes have also been identified as causative for atypical RTT or RTT-like phenotype in the patients. To date, there has been a lack of therapeutic strategies to help these patients, and it is crucial to shed light on the many unknown aspects of these disorders. Therefore, this Special Issue provides a forum for the publication of top-quality research papers on molecular and cellular mechanisms underlying Rett syndrome and related disorders, the neural systems and underpinning behavioral-associated features and findings relevant to the development of new therapies.

Guest Editor

Dr. Maria J. Diogenes

1. Instituto de Farmacologia e Neurociências, Faculdade de Medicina, Universidade de Lisboa, Lisbon, Portugal
2. Instituto de Medicina Molecular João Lobo Antunes, Faculdade de Medicina, Universidade de Lisboa, Lisbon, Portugal

Deadline for manuscript submissions

closed (25 November 2021)

International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed

mdpi.com/si/66047

International Journal of Molecular Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/ijms

MDPI

International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed

mdpi.com/journal/ijms

MDPI

About the Journal

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)