



mTOR, Metabolism, and Diseases

Guest Editor:

Dr. Masahiro Morita

Department of Molecular
Medicine, UT Health Science
Center San Antonio, San Antonio,
TX 78229, USA

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

Mechanistic target of rapamycin (mTOR) integrates extracellular and intracellular signals (e.g., growth factors, insulin, nutrients, and oxygen) to stimulate anabolism, including protein, lipid, and nucleic acid synthesis, and bolster cellular growth and proliferation while suppressing autophagy. mTOR forms two distinct complexes, mTOR complex 1 (mTORC1) and 2 (mTORC2), which differ in their composition, downstream targets, regulation, and sensitivity to the naturally occurring allosteric mTOR inhibitor, rapamycin.

This special issue “mTOR, Metabolism, and Diseases” will cover a selection of recent research topics and current review articles in the field of the mTOR signaling pathway.

- mTOR
- Rapamycin
- Inhibitor
- cancer
- metabolic syndrome
- aging
- mRNA translation
- 4E-BP
- S6K
- autophagy





an Open Access Journal by MDPI

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

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.

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 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI