

Special Issue

mTOR, Metabolism, and Diseases

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

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)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/44912

*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](https://mdpi.com/journal/ijms)





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](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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