

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

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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.

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