

Special Issue

mTOR Signaling Network in Cell Biology and Human Disease

Message from the Guest Editors

The mechanistic target of rapamycin (mTOR) is a key regulator of cell homeostasis in response to environmental stimuli. Acting via two functionally different complexes, mTORC1 and mTORC2, this serine-threonine protein kinase regulates key aspects of cellular and organismal behavior. Not surprisingly, deregulation of mTOR is involved in numerous human diseases and conditions, including cancer, cardiovascular disease, metabolic diseases, and ageing. This Special Issue is focused on the mechanisms of regulation and function of mTOR in cellular biology, normal physiology, and disease, as well as on the preclinical and clinical research exploring mTOR as a molecular target for therapeutic intervention to treat various diseases and conditions and/or combat ageing.

Co-

Guest Editors

Dr. Elena A. Goncharova

1. University of Pittsburgh School of Medicine, Pittsburgh, PA, USA
2. Affiliation after August 1st 2020, University of California, Davis, Davis, CA, USA

Dr. Jane J. Yu

Department of Internal Medicine, University of Cincinnati, Cincinnati, OH, USA

Deadline for manuscript submissions

closed (31 May 2022)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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

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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