

Special Issue

mTOR in Human Diseases

Message from the Guest Editor

The mechanistic target of rapamycin (mTOR) is a highly conserved serine/threonine kinase that is ubiquitously expressed. It represents a major signaling intermediary that coordinates favorable environmental conditions with cell growth. Indeed, mTOR regulates a variety of cellular processes including protein, lipid and nucleotide synthesis as well as autophagy. Over the last two decades, major molecular advances have been made in mTOR signaling and have revealed the complexity of the events implicated in mTOR function and regulation. In parallel, the role of mTOR in diverse pathological conditions has also been identified. It is therefore important to further fully investigate mTOR signaling at a molecular level in order to identify additional clinical opportunities of targeting mTOR in human disorders. This Special Issue of “mTOR in Human Diseases” will cover a selection of research articles related to mTOR in human pathologies. Emphasis will be given to the molecular aspects of mTOR in specific conditions. Experimental studies, review articles and commentaries are all welcome.

Guest Editor

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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.

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