

Special Issue

mTOR Regulation on Membrane Trafficking

Message from the Guest Editor

Mechanistic target of rapamycin (mTOR) is a serine/threonine kinase that regulates a wide array of cellular functions, including the control of cytoskeleton dynamics and membrane trafficking. Membrane trafficking is one of the primary functions of the cell, providing a crucial communication link between the cell and its environment and ensuring the transport of lipids and proteins in a timely manner. The interconnection of membrane trafficking with intra- and extracellular stimuli and stress represents a remarkable and dynamic mechanism that allows cells to respond to such stimuli. For this Special Issue entitled “mTOR regulation on Membrane Trafficking”, we are seeking novel research or review articles highlighting the variety of machinery and regulatory mechanisms used in membrane trafficking and the importance of how mTOR regulates membrane traffic, how mTOR-mediated cytoskeleton trafficking is interlinked with other cellular events and processes, and how mTOR-mediated dysfunctional trafficking machinery has implications in health and disease.

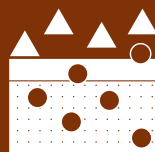
Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)



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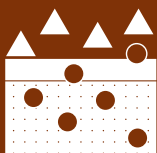


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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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