



TOR Signaling Pathway

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Message from the Collection Editors

Following a very successful first run, we are pleased to announce the launch of a second edition of a Special Issue on the TOR Signaling Pathway.

Among the numerous protein kinases that play key roles in signal transduction pathways of eukaryotic cells, Target of Rapamycin (TOR) stands out because of its unique characteristics. TOR forms at least two distinct high-molecular weight Complexes, known as TOR Complex 1 (TORC1) and TOR Complex 2 (TORC2), with multiple regulatory subunits that determine signal inputs, substrate specificities, and intracellular localization. Rapamycin and other inhibitors of TOR affect diverse aspects of cellular physiology, such as growth, proliferation, as well as catabolic and anabolic processes, suggesting TOR functions at pivotal nodes of cellular signaling networks.

We invite contributions from researchers who have been exploring distinct aspects of this unique protein kinase through studies in diverse model organisms. Both original research articles and reviews are welcome. Together, these studies will contribute to an integrated view of the emerging TOR network, implicated in cancers, metabolic diseases and aging in humans.





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