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Cellular Growth Control by TOR Signaling

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Message from the Guest Editors

Dear Colleagues,

A universal feature of all organisms is their ability to respond to nutrient availability and other environmental signals by regulating growth, proliferation, and developmental programs. TOR, target of rapamycin, is a highly conserved eukaryotic protein kinase that governs many aspects of cellular growth, including metabolism, nutrient uptake, protein synthesis and turnover, gene transcription, and the epigenome. These cellular functions are achieved through the action of TOR as part of two conserved complexes, TOR complex 1 (TORC1) and TORC2. In this Special Issue on TOR, we will highlight some of the recent findings concerning the specific roles of TORC1 and TORC2, the relationship between these two complexes, and their relevance to aging and human disease.

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Dr. Estela Jacinto

Guest Editors



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Special Issue



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