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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.

Dr. Ronit Weisman
Dr. Estela Jacinto
Guest Editors

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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