

Special Issue

Post-transcriptional Gene Expression Regulation in Eukaryotic Energy Metabolism

Message from the Guest Editor

The role of signaling cascades and transcriptional gene expression regulation has been extensively studied in eukaryotic energy metabolism. These include metabolic regulatory pathways such as the insulin/IGF-1, AMPK, mTOR, and sirtuin pathways. However, the contribution of posttranscriptional gene expression regulation is incompletely understood. In this Special Issue, we solicit original research and review articles focusing on various metabolic pathways modulated in steps of mRNA decay, localization and translation. The contribution of noncoding RNAs such as miRNAs, lncRNAs and circRNAs to these regulatory pathways are other emphases. This Special Issue will offer new insight into the underlying molecular mechanisms of posttranscriptional regulatory networks for the modulation of eukaryotic energy metabolism.

Guest Editor

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