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## Metabolic Regulation: Cell Growth and Proliferation

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submissions:

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### **Message from the Guest Editors**

A deeper understanding of metabolic regulation has further sparked interest in identifying cancer-specific metabolic signatures that render more direct and substantial effects to encourage cancer cell proliferation and survival. The era of metabolomics has fueled the identification of pathways and metabolic markers that are causative in cancer generation and progression. Further, external factors like diet and exercise also directly influence metabolic regulation. Metabolomic, transcriptomic and proteomic profiling enables the identification of alterations associated with cancer and these approaches provide a complete picture of discrepancies observed in regulation at molecular and pathway levels. Targeting altered metabolic regulation to diminish tumor growth and energy reservoir is now a major focus of future research and could be more advantageous and effective in advanced cancer therapeutics. A better understanding of the principles of metabolic regulation may improve ways to treat different cancers but also other metabolic diseases that rely on such pathways.



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# Special Issue



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