



Cell Metabolism and DNA Repair Pathways

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Message from the Guest Editor

Metabolic reprogramming and DNA repair are hallmarks of cancer cells, allowing for their increased proliferation and survival. Targeting DNA repair and metabolism reprogramming is emerging as a potential therapeutic alternative to support conventional cancer therapies and to circumvent certain resistance pathways. In addition, alterations of DNA repair and of metabolism are also found in neurodegenerative disease. Therefore, increasing our comprehension of cell metabolism and DNA repair pathways (isolated or in combination) is of great importance to many biomedical fields. This includes but is not limited to the regulatory mechanisms involving transcriptional and post-transcriptional regulation of gene expression, epigenetics, and post-translational modifications of proteins. Review articles and original papers addressing specific mechanisms or wide-ranging omics studies are welcome in this Special Issue to support our knowledge of cellular metabolism and DNA repair pathways and their interconnections.





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Message from the Editor-in-Chief

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