

## Special Issue

# Cell Metabolism and DNA Repair Pathways

### 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.

### Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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