

## Special Issue

# DNA Double-Strand Breaks Repair in Human Diseases - Pathophysiology and Implications for Therapy Based on Synthetic Lethality

### Message from the Guest Editors

DNA double-strand breaks (DSBs) are classified as one of the most serious DNA lesions. Unrepaired or miss-repaired DSBs potentially lead to genetic instability and/or even cell death. To survive and maintain normal phenotype cells have evolved specific pathways – collectively named the DNA-damage response (DDR) – to detect and repair DNA lesions. This Special Issue objectives to provide novel insights into the molecular and cellular mechanisms underlying DSBs repair in the etiology of human diseases and to show novel therapeutic perspectives within DSBs repair.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2022)



## International Journal of Molecular Sciences

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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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