

## Special Issue

# The Cellular Response to DNA Damage 2.0: From DNA Repair to Polyploidy and Beyond

### Message from the Guest Editor

The purpose of this Special Issue is to provide a comprehensive update on the growing complexity of cellular responses to DNA-damaging agents. Articles on advances in single-cell detection methodology to study the long-term fate of human cells following anticancer treatment are particularly welcomed. Potential topics include, but are not limited to:

- DNA repair deficiency syndromes
- DNA repair pathways
- Cell cycle checkpoints
- Biological outputs orchestrated by p53 signaling
- Cancer cell dormancy and disease relapse post-therapy
- Reversible apoptosis (anastasis)
- Reversible polyploidy/multinucleation (atavistic model of cancer)
- Novel therapeutic strategies targeting dormant cancer cells

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2022)



## International Journal of Molecular Sciences

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## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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