



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

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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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Message from the Editor-in-Chief

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