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

Guest Editor:

Prof. Dr. Razmik Mirzayans

Department of Oncology, University of Alberta, Cross Cancer Institute, Edmonton, AB T6G 1Z2. Canada

Deadline for manuscript submissions:

closed (31 August 2020)

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 posttherapy
- Reversible apoptosis (anastasis)
- Reversible polyploidy/multinucleation (atavistic model of cancer)
- Novel therapeutic strategies targeting dormant cancer cells

Dr. Razmik Mirzayans Guest Editor











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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Message from the Editor-in-Chief

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