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Clinical Developments of the Tumor Suppressor p53

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editor

This Special Issue, "Clinical Developments of the Tumor Suppressor p53", will mainly focus on the most promising advancements in clinical research on how p53 and its mutations impact patients in the clinic and on the novel drugs currently advancing to clinical trials to treat this once “undruggable” target.

TP53 (p53) is the most frequently mutated gene in cancer, being altered in approximately 50% of human malignancies. In most, if not all, cancers lacking mutations, wild-type (WT) p53 is inactivated through interaction with cellular (MDM2/MDM4) or viral proteins, leading to its degradation. Because of its near universal alteration in cancer, p53 is an attractive target for the development of new targeted therapies for this disease.

We invite authors to submit original research and review articles that focus on the biological functions and therapeutic potential of the p53 pathway. Potential topics include, but are not limited to, the following:

- P53 targeted therapies;
- MDM2/4 targeted therapies;
- Role of p53 in drug resistance;
- Role of p53 in secondary cancers;
- Therapeutic options for Li–Fraumeni syndrome.

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Editor-in-Chief

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Message from the Editor-in-Chief

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