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Mutant p53 in Cancer Progression and Personalized Therapeutic Treatments

Guest Editor:

Prof. Dr. Sung Gwe Ahn

Department of Surgery,
Gangnam Severance Hospital,
Yonsei University College of
Medicine, Seoul 06273, Korea

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Message from the Guest Editor

Dear Colleagues,

The TP53 tumor suppressor gene are frequently mutated in malignant tumors. As a tumor suppress gene, p53 can induce cell cycle arrest, apoptosis, senescence, or ferroptosis in response to stress signals and prevent the accumulation of cancer-causing mutations that lead to malignant tumors. Thus, loss of function of tumor suppressor p53 affect fundamental cellular pathways with cancer-promoting outcomes. Moreover, robust evidence suggests that gain-of-function of mutant p53 largely contributes to cancer progression. In an era of precision medicine, novel approaches targeting TP53 mutation with small molecules that can reactivate mutant p53 protein have been underway. We will include articles providing an overview of mutant p53 in cancer progression, with a focus on emerging evidence displaying mutant p53 targeted therapy as an addition to the personalized therapy arsenal.



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Special Issue



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Prof. Dr. José L. Quiles

Department of Physiology,
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Granada, Spain

Message from the Editor-in-Chief

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