

## Special Issue

# Mutant p53 in Cancer Progression and Personalized Therapeutic Treatments

### Message from the Guest Editor

The TP53 tumor suppressor gene are frequently mutated in malignant tumors. As a tumor suppressor 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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### Guest Editor

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closed (10 October 2022)



## International Journal of Molecular Sciences

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