



p53 in Cell Death and Cellular Senescence

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Message from the Guest Editor

Dear Colleagues,

p53, often referred to as the "guardian of the genome", is a crucial tumor suppressor gene involved in maintaining cellular integrity. It plays a key role in responding to various forms of cellular stress, such as DNA damage, ribosomal stress, etc., by regulating cell cycle arrest, apoptosis, ferroptosis and cellular senescence. p53 target genes include p21, which mediates cell cycle arrest, BAX and PUMA, which promote apoptosis, and MDM2, which provides negative feedback regulation of p53 itself. The precise modulation of these target genes is essential for maintaining genomic stability and preventing tumorigenesis, highlighting the critical role of p53 in cellular homeostasis and cancer prevention.

We invite all scientists working on p53 to participate in this Special Issue. Original research articles or reviews on all aspects of their molecular mechanisms are welcome. We look forward to your contributions.





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Message from the Editor-in-Chief

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