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## p53 Signaling and Cancer

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Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

About 40 years ago, p53 was initially discovered as a protein that binds to the large T antigen of the tumor virus SV40. However, since the p53 was proven to be a tumor suppressor in 1989, research on p53 has always attracted researchers from all over the world through the use of advanced technologies. However, despite more than 40 years of research, p53-regulated tumor suppression mechanisms remain a mystery, with the induction of cell death and cell cycle arrest considered to be among the most relevant regulatory aspects. In addition to cell death by apoptosis induction by p53, the mechanism of tumor suppressive effect of p53 has been broadened to include ferroptosis regulation by iron-dependent lipid peroxidation. Furthermore, recent studies are revealing that p53 exerts its tumor suppressive effects by regulating energy metabolism, antioxidant function, and metabolic reprogramming in cells. Thus, it is still necessary to elucidate the ever-expanding tumor suppressive function of p53. Here, we welcome original papers and review articles that will help us to understand the tumor suppressor role of p53 in cancer.



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**Special** Issue



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