

## Special Issue

# Role of p53 Family in Targeted Therapy of Cancers

### Message from the Guest Editors

The p53 family comprises three transcription factors, p53, p63 and p73, that exhibit diverse biological activities. Their main function in normal cells is the maintenance of genome stability and cell homeostasis. However, their tumour suppressor function is abrogated in the majority of cancer cells due to mutations or altered expression of specific isoforms. p53 family isoforms form homotetramers or heterotetramers and this can change the function of canonical p53 proteins, thus influencing the p53 signalling pathway, causing cancer progression or even resistance to therapy. Accordingly, many p53 family members/isoforms are shown to be the modulators of acquired resistance to targeted cancer therapy. This Special Issue focuses on the role of the p53 family members in cancer therapy, their function as modulators of the therapy response and their potential as predictive or prognostic markers as well as therapeutic targets. This special issue is supervised by and , and assisted by our Topical Advisory Panel Member Dr. Anđela Horvat (Ruđer Bošković Institute, Croatia).

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### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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