# **Special Issue**

# Molecular Signalling Pathways in Tumorigenesis and Tumor Suppression

# Message from the Guest Editor

As the principal target of the tumor suppressor pRB, E2F plays crucial roles in many important biological processes such as cell proliferation, DNA repair, tumorigenesis, apoptosis, cellular senescence, tumor suppression, development, differentiation, metabolism, stemness, invasion, metastasis, angiogenesis and others. The main obstacles in the radical treatment of cancers are side effects caused by the damage to normal growing cells. To avoid these side effects, we have to specifically target cancer cells. In almost all cancers, the RB pathway is disabled due to oncogenic changes, and the E2F activity is enhanced. Hence, many of the biological processes mentioned above may be affected and may represent a unique feature of cancer cells, which can be utilized to specifically target cancer cells to avoid side effects. This Special Issue aims to explore E2F-based changes in cancer cells and also in normal cells upon oncogenic changes, seeking new approaches to specifically target cancer cells. Original research articles and reviews are welcome.

# **Guest Editor**

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#### Deadline for manuscript submissions

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# Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

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