



Molecular Stress Response Dysregulation in Cancer: Therapeutic Targets and Opportunities

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Message from the Guest Editor

Dear Colleagues,

The paradoxical combination of an age-related increase in cancer incidence and a demographic shift towards senescent populations has greatly exacerbated the role of cancer as a major medical challenge of global proportions, creating an urgent need for the discovery of novel molecular cancer therapeutics. Seminal research has provided cumulative evidence that oncogene-driven tumorigenesis dictates the dysregulated occurrence of genotoxic, mitotic, metabolic, proteotoxic, immunomodulatory, and redox stress responses. On the other hand, tumorigenic progression depends on the counter-regulatory activation of cytoprotective stress response pathways that represent a specific mechanistic vulnerability amenable to therapeutic intervention by molecularly targeted therapeutics. This special issue gathers original research and review papers positioned at the forefront of our current understanding of molecular stress response dysregulation in cancer, representing both a major pathological driving force and promising therapeutic target.

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Guest Editor





cancers



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Message from the Editor-in-Chief

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