

Special Issue

Cancer Chemoresistance: Novel Mechanistic Insights and Emerging Therapeutic Strategies

Message from the Guest Editor

There is an increasing body of evidence demonstrating that treatment exposure can alter the tumor cell secretome, which shapes the behavior of cells in the tumor microenvironment to confer chemoresistance and promote tumor relapse. Thus, tumor-derived circulating material could provide a rich source of clinically relevant early diagnostic and prognostic biomarkers to enable timely management of cancer patients and to predict and monitor treatment response. Furthermore, understanding the underlying cellular and molecular mechanisms governing complex interactions between cancer cells and their microenvironment including both stromal cells and extracellular matrix components could fuel the discovery of novel targets for devising new therapeutic strategies. The objective of this Special Issue of IJMS is to publish original research and review papers in the field of basic and translational cancer research that specifically address these challenges leading to the discovery of new biomarkers and molecular pathways of chemoresistance and identification of novel drug combinations to overcome chemoresistance in cancer.

Guest Editor

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Message from the Editor-in-Chief

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