

## Special Issue

# Research on Signal Transduction Mechanisms of Cancer Cells

### Message from the Guest Editor

Cellular signaling mechanisms are intricately linked to homeostasis through events that control cell proliferation, survival and death. Aberrations in some of these mechanisms are often associated with oncogenic processes. Cancer cell signal transduction is a core process in tumor cell growth, proliferation, invasion, and metastasis, involving multiple intricate biochemical reaction pathways. Research on this pathway provides insights into the mechanisms driving development and progression of different cancers. There are many ways to study cancer cell signal transduction, including molecular biology, genetic engineering, protein chemistry, bioinformatics, etc. These may lead to identification of novel biomarkers and potential targets of therapy. Cancer cell signal transduction pathways are currently a research hotspot in cancer treatment, and their important role in it is gradually being discovered. The purpose of this Special Issue is to provide new insights into the signal transduction mechanisms of tumor cell growth, proliferation, invasion, metastasis, and apoptosis and their applications in cancer therapy.

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### Guest Editor

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## International Journal of Molecular Sciences

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