Special Issue

Hedgehog Signaling in Organogenesis and Tumor Microenvironment

Message from the Guest Editor

Hedgehog signaling pathways govern complex developmental processes, including stem-cell maintenance, proliferation, differentiation, and patterning. However, hedgehog signaling is frequently activated in various human cancers. Several recent studies have shown that the aberrant activation of hedgehog signaling is associated with neoplastic transformation, cancer cell proliferation, metastasis, drug resistance of multiple cancers, and survival rate. This Special Issue focuses on several aspects of hedgehog signaling in organogenesis and tumor microenvironment, and we invite contributions of reviews and/or original papers reporting on the recent efforts in the field of hedgehog signaling. Keywords

- hedgehog
- stem cell
- target genes
- primary cilia
- organogenesis
- microenvironment
- immune surveillance
- hedgehog signaling pathway
- metastasis
- angiogenesis
- tumor-stroma interaction
- hedgehog signaling inhibitors
- targeted cancer therapy
- cancer treatment resistance

Guest Editor

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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.

Editor-in-Chief

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