

## 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

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2019)



## International Journal of Molecular Sciences

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