Topical Collection

Fibroblast Growth Factor Receptor (FGFR) Signaling Pathway in Tumor 2.0

Message from the Collection Editors

Signaling by fibroblast growth factors (FGFs) and their receptors is an important part of the multilayered network of signal transduction in the cells of the human body, which requires a well-orchestrated interaction to ensure proper functionality. These protein family members of ligands and receptors are crucial for embryonic development and in the adult organism, but are dysregulated in the majority of malignant diseases. Research on FGFRs and related tyrosine receptor kinases in healthy and cancer cells has resulted in several mostly multi-target inhibitors, already in clinical trials or used as cancer drugs. However, the impact of FGFR signaling on the growth, survival and invasiveness of cancer cells and on healthy cells, driving angiogenesis and metastasis in a paracrine manner, are still not completely understood. Further knowledge may lead to the identification of the therapeutic targets and predictive markers needed for specific cancer therapy.

This Special Issue invites reviews and original papers covering translational research on FGFR signaling, with a strong emphasis on the improvement of knowledge for clinical application.

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Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/112503

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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