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Wnt Signaling in Health and Diseases 2022

Guest Editor:

Dr. Masaru Katoh
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Deadline for manuscript submissions:
closed (1 June 2022)

Message from the Guest Editor

Dear Colleagues,

WNT signals are transduced through frizzled receptors and co-receptors to the WNT/β-catenin, WNT/planar cell polarity, WNT/G protein, and WNT/tyrosine kinase signaling cascades. WNT signaling cascades cross-talk with the FGF, Notch, Hedgehog, and TGFβ/BMP signaling cascades to regulate embryogenesis, fetal development, and tissue homeostasis.

Dysregulation of the WNT signaling network gives rise to human diseases. Germline alterations in WNT signaling molecules cause hereditary colorectal cancer, exudative vitreoretinopathy, intellectual disability syndrome, and PCP-related diseases. Somatic alterations in WNT signaling components, such as APC, AXIN2, CTNNB1, RSPO2, RSPO3, and RNF43, occur in colorectal cancer and other types of human cancers. Microenvironmental reprogramming of the WNT signaling network also play key roles in human pathologies.

This Special Issue is calling for original articles and review articles on the WNT signaling network in cancers as well as con-cancerous diseases, with strong emphases on complete genome sequencing, microenvironmental reprogramming and single-cell analysis.

Dr. Masaru Katoh
Guest Editor

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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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