Special Issue

STAT3: Role in Cancer and Stem Cells

Message from the Guest Editor

Signal Transducer and Activator of Transcription 3 (STAT3) is a transcription factor that regulate many important cellular and biological functions in normal and transformed cells. The STAT3 signaling pathway regulation is highly diverse and is involved in normal development and oncogenesis. Furthermore, STAT3 also regulate the normal stem cells and cancer stem cells development and functions. Given the importance of STAT3 signaling pathway, development of anti-STAT3 pharmacological approaches and concerted translational research efforts are much needed. In this special issue of *Cells*, we invite authors to contribute original research and review articles focusing on different aspects of STAT3 signaling pathway, role in cancer onset and progression, role in stem cells and cancer stem cells. We also invite articles on anti-STAT3 pharmacological approaches, therapeutic strategies, and clinical studies. The collected articles in this special issue will further enhance our knowledge for the role of STAT3 signaling in cancer and stem cells and hopefully will drive the development of novel therapeutic strategies.

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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