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Cellular Microenvironment, Cell Fate Determination and Organoid Modeling-from Somatic and Pluripotent Stem Cells

Guest Editors:

Prof. Dr. Yun-Wen Zheng

Prof. Dr. Yuyou Duan

Dr. Li-Ping Liu

Deadline for manuscript
submissions:
closed (25 November 2022)

Message from the Guest Editors

Dear Colleagues,

Stem cells have the capability of self-renewal and potential to differentiation into various types of cells. The cellular microenvironment provides support and stimuli necessary to sustain their self-renewal, and it also influences the development of stem cells from quiescence through stages of differentiation. Whether to sustain self-renewal or to differentiate? What specific types of cells to generate? However, these questions are not clearly answered yet. Furthermore, there are still issues unaddressed about the plasticity of differentiated cells into expandable ones using small molecules.

To improve the current knowledge in these fields, this special issue aims to mainly call for papers about stem cells-based researches on multicellular microenvironment, cell fate determination, organoid formation, scalable and suspension cultural system and expandable induction as well as disease modeling involved in all types of tissue or organs.

We look forward to your contributions.

Prof. Dr. Yun-wen Zheng

Guest Editor

Prof. Dr. Yuyou Duan

Dr. Li-Ping Liu

Co-Guest Editors



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Special Issue



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Denmark

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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Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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