

Special Issue

Molecular and Cellular Mechanisms of Fetal Growth and Preterm Birth

Message from the Guest Editor

This Special Issue will provide an in-depth overview of our current knowledge on molecular and cellular mechanisms that promote fetal growth, with a special interest in transcriptional and post-transcriptional factors associated with preterm birth. Several mechanisms have been implicated in the pathophysiology of preterm birth, including infectious factors, mechanical factors as well as genetic and epigenetic modifications.

We seek contributions in the form of original research articles, reviews, or shorter perspective articles on all aspects related to the subject of “Molecular and cellular mechanisms of fetal growth and preterm birth”. Topics not limited to: genetic and epigenetic factors of fetal growth and preterm birth, molecular and cellular mechanisms involved in infectious morbidity that precedes preterm birth, DNA methylation, RNA methylation, miRNA regulation, and histone modification in preterm birth. In the present Issue, we hope that leading experts will share their perspectives on the pathophysiology of preterm birth and will contribute to the current knowledge with novel evidence that provides the foundation for further research.

Guest Editor

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About the Journal

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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