Special Issue

Functional Genomics and Epigenomics of Stem Cells

Message from the Guest Editors

Dear Colleague, Emerging genomic and epigenomic functional landscapes of different origins of cells offer an opportunity for the enrichment of precise personalized medicine. Stem cells have the capacity to self-replicate as well as to differentiate into a variety of cell types that form the basis for organ development and tissue regeneration. Isolation and propagation of human stem cells including embryonic stem cells (ESCs), fetal progenitors, and adult stem cells (ASCs), as well as generation of induced pluripotent stem cells (iPSCs), have led to key discoveries about human developmental and disease processes. Newly developed single-cell transcriptomics and epigenomics techniques allow for the study of individual stem cells in the context of their surroundings. It is critical to integrate new findings with known markers of health and disease for advancing treatment approaches. In this Special Issue on "Functional Genomics and Epigenomics of Stem Cells", we are soliciting both original research articles and reviews that will update our readers on novel findings, current understanding as well as perspectives on the topic. *Sincerely,*

Guest Editors

Prof. Dr. Deodutta Roy

Dr. Kaumudi Bhawe

Dr. Jairo Ramos

Dr. Priti Roy

Dr. Jayanta Kumar Das

Deadline for manuscript submissions

closed (31 October 2022)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).