Special Issue

Direct Cell Reprogramming: From Basic Science to Translational Medicine

Message from the Guest Editor

Cellular reprogramming circumvents issues commonly encountered in regenerative medicine by utilizing a person's own cells as the source of treatment. The discovery of nuclear transfer, cell fusion, and iPSC reprogramming ignited the field of direct lineage conversion. Interest in identifying and optimizing combinations of master regulators to alter cell fates has continued growing. Many research groups have successfully demonstrated direct conversions from one somatic cell type to another without going through a pluripotent or multipotent intermediate, and have applied such conversions to various disease models. In this Special Issue, we hope to cover a wide array of topics from understanding the basic science of direct cell reprogramming to their applications in organ regeneration and disease treatment.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2019)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/18320

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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).