

## Topical Collection

# Signaling Pathways in Cell Generation and Reprogramming

### Message from the Collection Editor

In this Special Issue, the focus will be on the creation of multipotent cells using extrinsic materials. To date, generated using several different kinds of methods, including forced expression of specific transcription factors, incorporating ribosomes into fibroblasts, infection of leprosy bacilli into adult Schwann cells, and applying a cocktail of small-molecule compounds or cell-penetrating peptides to fibroblasts. Though these cells have both advantages or disadvantages regarding their use in either basic research or clinical application, we realize that even terminally differentiated cells possess the potential to be reprogrammed by extrinsic materials. Therefore, precise knowledge of the specific cellular and molecular signaling behind such reprogramming is a priority of the scientific community. The aim of this Special Issue is to provide an overview of the signaling pathways and molecules involved in the process of cell generation and reprogramming by extrinsic materials.

### Collection Editor

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## Cells

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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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### Editors-in-Chief

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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).