

Special Issue

Post-Transcriptional Control of Stem Cell Fate and Neural Development

Message from the Guest Editor

Post-transcriptional regulation, including alternative splicing, RNA editing, mRNA stability, subcellular localization, and translational control, plays a pivotal role in orchestrating dynamic gene expression during development. These finely tuned mechanisms ensure the timely production of functional gene products essential for cell fate decision and proper developmental progression. This Special Issue consolidates recent advances that elucidate how post-transcriptional processes govern stem cell fate decisions and developmental trajectories, with particular emphasis on nervous system development. We further examine how disruptions in these regulatory networks contribute to compromised stem cell function, dysregulated neurogenesis, and the pathogenesis of neurological disorders. Collectively, these contributions highlight the fundamental importance of post-transcriptional control networks in determining cellular identity and orchestrating developmental programs. This Special Issue welcomes reviews and original research articles that work on cells and animal model studies.

Guest Editor

Dr. Kun Tan

Department of Obstetrics, Gynecology, and Reproductive Sciences,
University of California San Diego, La Jolla, CA, USA

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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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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