Special Issue

Organ Regeneration: Cells, Organoids and Organs

Message from the Guest Editor

Organ regeneration is significant in biomedical research, harnessing the potential of cells, organoids, and engineered organs to repair or replace damaged tissues. Advances in stem cell biology, tissue engineering, and organoid technologies have deepened our understanding of cellular differentiation, tissue morphogenesis, and organ functionality. Pluripotent stem cells and adult progenitor cells offer avenues to establish new regenerative treatments, and organoids—miniature, self-organizing tissue models—are revolutionizing studies of diseases and their development.

This Special Issue aims to showcase cutting-edge research and comprehensive reviews that explore the mechanisms, innovations, and applications of organ regeneration. We welcome contributions that address cellular reprogramming, organoid-based disease modeling, tissue engineering, and clinical translation, fostering a multidisciplinary dialogue to accelerate progress in regenerative medicine.

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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