Special Issue

Cell-Based Models of Diseases for Drug Discovery

Message from the Guest Editor

Cell-based assays that model aspects of diseases are crucial for preclinical drug discovery. From neurodegenerative disorders to cancers, advance culturing techniques such as induced pluripotent stem cells (iPSCs) and three-dimensional (3D) co-culture have enabled scientists to better model human diseases in the laboratory in order to gain a better understanding of the underlying mechanisms. Complementing these culture methods with gene editing technologies can further add to the translational relevance of the cells as a preclinical drug discovery platform. Continual improvements in culturing methodologies and developments in functional/phenotypic cell-based assays will ensure that we continue to make advancements to treat human diseases.

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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