Special Issue

Macrophage-Epithelial Interplay in Pulmonary Fibrosis

Message from the Guest Editors

Macrophages play a crucial role in maintaining lung homeostasis, and their interaction with lung epithelial cells is vital for proper tissue repair following injury. Miscommunication between macrophages and epithelial cells can lead to chronic lung diseases such as idiopathic pulmonary fibrosis (IPF). In IPF, persistent epithelial injury and dysregulated repair mechanisms involving immune and mesenchymal cells result in excessive extracellular matrix (ECM) production and fibrotic tissue formation. The balance between the macrophage's pro- and anti-fibrotic roles is essential for preventing the progression of IPF, as dysregulation of these cells exacerbates the disease. Therefore, understanding the interplay between macrophages and epithelial cells is critical in devising therapeutic strategies for lung fibrosis. We invite researchers to submit review articles and original research papers on macrophage-epithelial interactions and lung fibrosis to the Special Issue of Cells. Your work will advance our understanding of macrophage-epithelial cell crosstalk in the context of lung diseases.

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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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