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Cellular and Molecular Mechanisms of Fibrosis: From Wound Healing Studies to Clinical Management of Fibrotic Diseases

Guest Editor:

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Deadline for manuscript submissions:
closed (15 August 2022)

Message from the Guest Editor

Dear Colleagues,

Fibrosis is often regarded as a pathological wound healing process, developed in response to chronic injury in nearly all organs. However, how chronic damage in epithelial cells triggers a cascade of events leading to fibrosis remains unclear. Fibrosis contributes to nearly half of human mortality. Currently, there are no effective treatments for fibrosis. Thus, strategies to slow down fibrosis represent an urgent medical need. In contrast to fibrosis, wound healing is better understood at the molecular and cellular levels, including the origin of myofibroblasts and the functions of cytokines, chemokines, and immune cells that participate in this process. How can we utilize this knowledge in fibrosis research?

For this Special Issue, we invite scientists to contribute original research articles, reviews, or shorter “Perspective” articles on all aspects related to the “Cellular and Molecular Mechanisms of Fibrosis: From Wound Healing Studies to Clinical Management of Fibrotic Diseases”. We hope to highlight current trends and novel models with functional insights from a cellular and molecular perspective.

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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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