Special Issue

Toward Understanding Wound Repair Mechanism

Message from the Guest Editor

In our body, cells and tissues are frequently wounded by chemical and physical damages. In addition, the stretch and contraction in muscles and hydrostatic pressure in the cardiovascular system frequently injure the cell membrane. A wounded cell membrane loses its barrier function, resulting in an influx of undesirable substances into the cell as well as a loss of cytoplasm. Defects in cell membrane repair may cause muscular dystrophy, diabetes, vitamin deficiencies, and inflammatory myopathy. Thus wound repair is a physiologically vital phenomenon for living cells. The molecular mechanism of wound repair is highly regulated, involving intracellular signaling, membrane remodeling, membrane trafficking, and cytoskeletal dynamics. Wound repair in the level of multicellular tissue has a common feature to single cells but also involves cell migration, cell division, and cell adhesion. This Special Issue of *Cells* intends to accept a wide range of wound repair mechanisms, their related interesting phenomena, and techniques for research.

Guest Editor

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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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