Topical Collection

Molecular Determinants of Skin Integrity

Message from the Collection Editor

Skin is the first body defense against external stress. In the epidermis, keratinocyte stem cells are responsible for monthly physiological replacement and for regeneration during wound healing, and differentiated layers ensure the skin barrier function. Advances in preservation and repair of skin integrity can benefit from research and preclinical models, including organoid formation and reconstitution through skin substitutes, exposome assays, as well as the analysis of genome, transcriptome, and epigenome through NGS and single-cell analysis in native and gene-edited cells. In this Topical Collection of *Cells*, we will gather articles and reviews on recent fundamental and applied advances in skin integrity. The impact of epigenomic controls of cell function and stability will be particularly welcome.

Collection 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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