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Molecular and Cell Basis of Skin Diseases and Aging

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closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

As the major physical barrier of the body, the skin plays an essential role in both stimuli sensing and defense against environmental insults and pathogens. To fulfill these important functions, the skin is a complex organ that harbors a plethora of cell types, as well as different skin appendices such as hair follicles and glands.

Keratinocytes, fibroblasts and adipocytes are the major cellular components of skin layers. In addition, other cell types are present in the skin (melanocytes, mechanoreceptors, sensory neurons, highly specialized dermal cells, etc.). Besides, an immune cell compartment is at the crossroad of the complex dialog between skin microbiota and the host. With aging, accumulated damage leads to alterations that affect the skin, increasing the susceptibility to inflammatory conditions and neoplastic lesions, and entailing a decline in cosmetic features.

This Special issue is aimed at reviewing the state-of-the-art and presenting groundbreaking research findings that contribute to understand the molecular and cellular cutaneous changes associated with skin pathologies and aging.

Prof. Ángeles Juarranz

Dr. Elisa Carrasco

Guest Editors



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Special Issue



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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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