# Special Issue

# Roles of Cytokines in Skin Inflammation

## Message from the Guest Editor

The skin, the largest organ in the human body, primarily protects against harmful environmental influences and prevents dehydration; thus, it represents the first barrier against physical, biological and chemical stress. To maintain this function, keratinocytes undergo a differentiation process that culminates in the generation of corneocytes. Keratinocytes and other resident skin cells produce cytokines that are responsible for controlling cellular communication. Cytokines are intercellular signalling proteins that serve as key modulators of the immune system and inflammation and initiate their biologic action by interacting with target cells bearing cytokine receptors, initiating a cascade of cellular interactions. Cytokine signalling can result in multiple consequences for the skin's barrier function. Certain inflammatory skin diseases are associated with cytokine overproduction, dysregulation and alteration in their receptors, including atopic dermatitis (AD), allergic contact dermatitis and psoriasis. This Special Issue summarizes the current knowledge on cytokines and their functions in healthy skin and contributions to inflammatory skin diseases.

## Guest Editor

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## Deadline for manuscript submissions

closed (31 January 2024)

**Cells**

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**CiteScore 10.5**
**Indexed in PubMed**

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*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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