Special Issue

Atopic Dermatitis: Pathogenesis and Emerging Therapies

Message from the Guest Editor

Atopic dermatitis is a chronic inflammatory skin disease characterized by recurrent itching and dermatitis. Its pathogenesis includes the interaction of three factors: abnormal skin barrier, itch-scratch, and type 2 inflammation. Psychological stress from work and relationships exacerbates the pathogenesis of atopic dermatitis. Thus, to elucidate the pathogenesis of atopic dermatitis, interdisciplinary research is necessary. In fact, recent studies focusing on neuro-immune interactions have shown that anti-IL-4Ra antibodies and JAK inhibitors are effective therapeutic agents for atopic dermatitis. However, due to the existence of non-responders to the therapies and other factors, there is a need to develop multifaceted methods for the treatment and prevention of atopic dermatitis. It also requires further elucidation of the molecular and cellular basis of this mechanism due to the complex pathogenesis.

This Special Issue aims to provide a summary of these emerging fields, with an emphasis on novel developments in anti-pruritus, anti-inflammation products, emollients that improve the skin barrier, and biomarkers and novel mechanisms of the pathogenesis of atopic dermatitis.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/115969

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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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