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New Developments in Inflammatory Skin Diseases

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Message from the Guest Editor

Dear Colleagues,

The skin is a large niche for a highly specialized immune system. It provides first-line barrier protection from pathogens and also orchestrates tolerance to a diverse community of commensal microbes. Dysregulation of the cutaneous immune system results in many chronic inflammatory skin diseases. Specific T cell subsets have been attributed roles in the pathogenesis of chronic inflammatory diseases. Th17 cells, for example, play important roles in the pathogenesis of psoriasis. Th2 cells, on the other hand, are important in atopic dermatitis. Treg dysregulation and roles for other T cell subsets and their functional states have been reported to be relevant for these and other skin diseases. The reasons and mechanisms for T cell dysregulation in the human skin are poorly understood. An aberrant host-microbiota crosstalk has recently emerged as a potential cause for skin diseases. Other factors from the skin microenvironment such as ions, metabolites, and hormones also have an impact on skin immunity. In this Special Issue, new developments in the pathogenesis of inflammatory diseases and their response to new treatments and immunomodulation will be gathered.



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Special Issue



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