

Special Issue

Molecular Advance on Skin Irritation and Inflammation

Message from the Guest Editor

Inflammatory skin diseases provide uniquely accessible tissues to study how epithelial stress signals shape immunity. This Special Issue invites original research and reviews on the molecular circuits linking keratinocytes, fibroblasts, and immune cells to clinical phenotypes and treatment response. We particularly welcome studies on photoimmunology and autoimmunity—such as type I interferon-driven pathways in cutaneous lupus and dermatomyositis—as well as research on chronic wounds and neutrophilic dermatoses revealing mechanisms of tissue injury and repair. Cutting-edge methods, including single-cell and spatial transcriptomics, proteomics, imaging, and functional models (organoids, ex vivo skin, in vivo systems), are encouraged. Translational studies connecting mechanisms to biomarkers, outcomes, and therapies are of special interest, along with methodological papers and datasets enabling reproducible analysis. By integrating mechanistic and clinical insights, this issue aims to identify therapeutic targets, clarify stromal-immune crosstalk, and advance diagnostics and treatments that improve patient care.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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