



The Role of Lipids in Skin and Their Impact on Stress, Aging and Inflammation

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Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Lipids are highly important biomolecules for the formation and function of cellular membranes, cellular signaling and cell metabolism. Specifically, in human skin, lipids additionally serve in the formation of the epidermal barrier. On the other hand, lipids also regulate the permeability, physical properties and antimicrobial defenses of the skin. Thus, skin serves as an ideal organ for studying the pleiotropic effects of lipids, as it is frequently exposed to oxidative, chemical and thermal stress.

Research has unveiled the biological functions of lipid modifications in skin. These studies have emphasized their important role in stress and immune responses, aging processes, and inflammation in the skin. In this issue, we would like to present a collection of recent developments in skin lipids and their biological importance in the skin, focusing on their impact on stress responses, aging and inflammation.



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Message from the Editor-in-Chief

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