Special Issue

Metabolism in Immunological Skin Diseases

Message from the Guest Editors

The skin is the outermost organ of the body and is constantly exposed to external pathogens. During inflammation, various immune cells traverse, reside in, or are recruited by the skin to orchestrate various cutaneous immune responses and metabolic processes. To accomplish this, immune cells interact with each other and even communicate with non-immune cells, including peripheral nerves and the microbiota. Immunologically important anatomical sites such as skin appendages (e.g., hair follicles and sweat glands) or postcapillary venules serve as specialized portals for immune cells and for the establishment of tertiary lymphoid structures, including inducible skin-associated lymphoid tissues. In this Special Issue, we review key findings and concepts of metabolism as it relates to skin anatomy and discuss how skin immune cells fine-tune physiological responses in the skin.

Guest Editors

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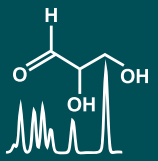

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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