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Microbiome, Microorganisms and Skin

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Message from the Guest Editor

Dear Colleagues,

There is growing evidence that skin microbiome composition impacts the course of various dermatological diseases, yet further research in this field is needed. The term “microbiome” encompasses all microorganisms (microbiota) in the body, their genomes, and environmental factors, which play an important role in health and disease. Since the skin harbors numerous bacteria, changes in skin microbiota composition (dysbiosis) functionality may trigger immune dysregulation and an inflammatory response. The skin microbiome was studied in relation to various conditions including atopic dermatitis, seborrheic dermatitis, psoriasis, acne, rosacea, hidradenitis suppurativa, chronic ulcers, burns, and others. Studies on the possible association between dysbiosis and skin diseases could improve the understanding of disease development, diagnostics and therapeutics. In the future, microbiota modulation (e.g., with probiotics, prebiotics and synbiotics) could contribute to the design/development of more effective therapies.

Prof. Dr. Liborija Lugovic-Mihic
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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