

Innate immune system of skin and oral mucosa : properties and impact in pharmaceuticals, cosmetics, and personal care products

Dayan, Nava., author

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Abstrak

Topically applied products and medications can profoundly affect skin's barrier function and overall health. Bursting with suggestions to assist research and development, *Innate Immune System of Skin and Oral Mucosa: Properties and Impact in Pharmaceuticals, Cosmetics, and Personal Care Products* provides a comprehensive overview on the innate immune system and its relevance to pharmaceuticals, cosmetic chemistry, and personal care products. The book allows pharmaceutical and medical professionals to assess accumulated knowledge and develop an understanding that will pave the way for next generation treatment avenues, preventative approaches, and drug development. Part I of this book presents an overview emphasizing mechanisms for control of bacteria at the skin surface. This includes historical and ethical aspects of skin cleaning products. Part II of the book includes chapters discussing antimicrobial peptides and lipids in innate immunity of skin and mucosa. Part III deals with cellular components of innate immunity and the link between innate and adaptive immunity. Part IV deals with stressors that can influence innate immunity. These include radiation and oxidative stress, cosmetic formulations, and aging. Finally, microbial challenges are discussed in Part V.