An International Mini-Symposium on
THE ROLES OF STAPHYLOCOCCUS AUREUS VIRULENCE FACTORS IN ECZEMA, SKIN INFLAMMATION, SYSTEMIC INFECTIONS AND BEYOND

Keynote Speaker
Prof. Yumi MATSUOKA-NAKAMURA
Immunology Frontier Research Center
Osaka University, Japan

Prof. Matsuoka-Nakamura is an expert in cutaneous allergy and host defense. Her research focuses on understanding the role of bacterial quorum sensing in the hospital adaptation of S. aureus and developing diagnostic and therapeutic platforms of this hospital-adapted S. aureus to overcome MRSA outbreaks. Her team also contributes to elucidating the mutual mechanism between host immunity and microorganisms in the presymptomatic phase of atopic dermatitis in infants.

Rundown
09:30  Welcome & Opening Remarks
- Dr. Richard Yi Tsun KAO, Symposium Chairperson, The University of Hong Kong

09:45  *Impact of Staphylococcal Agr-quorum sensing in atopic dermatitis and systemic infection
- Prof. Yumi MATSUOKA-NAKAMURA, Osaka University, Japan

10:45  Virulence factors affecting skin colonization and subsequent infections of Staphylococcus aureus
- Dr. Pradeep HALEBEEDU PRAKASH, The University of Hong Kong

11:15  Study on the role of WAKMAR2 recruiting C-Fos to regulate CLDN1 in skin barrier damage of chronic actinic dermatitis
- Dr. Yunhua TU, Kunming Medical University

11:45  Skin immune responses stimulated by microorganisms in the pathogenesis of acne
- Dr. Zhongcai JIN, Skin Research Centre, Botanee Group

12:30  Lunch

14:00  Neonatal skin microbiome and immune response in infantile atopic dermatitis development
- Prof. Yumi MATSUOKA-NAKAMURA, Osaka University, Japan

14:30  Developing a microbiome-based index for assessing skin health and treatment effects for atopic dermatitis in children
- Dr. Shi HUANG, The University of Hong Kong

15:00  Difficulties in treating Staphylococcus aureus infections: real-life clinical experience
- Prof. Kelvin Kai Wang TO, The University of Hong Kong

15:30  Targeting Agr and Sae two-component systems for antivirulence therapy in Staphylococcus aureus infections
- Dr. Peng GAO, The University of Hong Kong

16:00  Creating skincare products based on characteristic plants of Yunnan Province and established animal models for common skin diseases
- Prof. Yuye LI, Kunming Medical University

16:30  A new paradigm for tackling Staphylococcus aureus and MRSA
- Dr. Richard Yi Tsun KAO, The University of Hong Kong

17:00  Concluding Remarks & Roundtable Discussion

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For registration and enquiry, please contact Dr. Richard Kao at rytkao@hku.hk