

iSLS9 Satellite Meeting

Lipid mediators in host/microbe interactions

Date and Location

Wednesday, March 3, 2021. 2:20pm – 5:00pm. National University of Singapore, Center for Life Sciences, Seminar room/Level 1, 28 Medical Drive, Singapore

Zoom Link

Zoom details will be provided after registration closes.

Meeting Aim

This workshop aims to bring together people interested in the biological role of lipid mediators in microbe/host communication, such as human skin/gut microbiome axes and plant pathogens, highlighting parallels in lipid mediator biosynthesis and signaling mechanisms between different eukaryotic kingdoms. We will highlight recent advances in mass spec-based detection of lipid mediators in low-quantity probes, technical limitations, challenges and potential pitfalls of lipid mediator analysis. The main speakers will lead the workshop, which will finally be rounded up by interactive panel discussions.

Who should attend

Anyone interested in MS-based lipid mediator analysis and interpretation relevant to answering biological questions.

Meeting Program

Time	Speaker	Title
2:20-2:40	Tom Dawson (SRIS, A*STAR)	Current investigations on lipid mediators in <i>Malassezia</i>/Host signaling in human skin.
2:40-3:00	Martin Pagac (SRIS, A*STAR)	A novel tool for quantitative, non-invasive profiling of skin surface lipid mediators.
3:00-3:20	Anna Nicolaou (U. Manchester)	Our skin and the myriad lipids that keep it healthy.
3:20-3:40	Naweed Navqi (Temasek LSL)	Fungal jasmonate acts as a novel chemico-morphogenetic switch for pathogenesis.
3:40-4:00	Breanne Steffan (U. Wisconsin)	Oxylipin signaling in microbial development and disease.
4:00-4:15	Break	
4:15-5:00	Panel Discussions	

Organizers

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