

# iSLS8 Satellite Meeting

## Lipid mediators in host/microbe interactions

### Date and Location

Tuesday, March 17<sup>th</sup>, 2020. 2:20pm – 5:00pm. LKC School of Medicine, Novena Campus, 11 Mandalay Road. A shuttle will be organized between NUS and Novena.

### 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, supported by selected short talks, 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	<b>Tom Dawson</b> (SRIS, A*STAR)	Role of lipid mediators in skin/ <i>Malassezia</i> interaction.
2:40-2:55	TBD*	TBD
2:55-3:15	<b>Martin Pagac</b> (SRIS, A*STAR)	Quantitative analysis of oxylipins in skin/ <i>Malassezia</i> co-cultures.
3:15-3:30	TBD*	TBD
3:30-3:50	Coffee Break	
3:50-4:10	<b>Anna Nicolaou</b> (U. Manchester)	Role of lipid mediators in skin inflammation.
4:10-4:20	<b>Naweed Navqi</b> (Temasek)	Role of lipid mediators in plant/pathogen interactions.
4:20-4:35	TBD*	TBD
4:35-5:00	Panel Discussion	
5:00 - x	Dinner & Drinks	

\*3 selected short talks: Relevant to MS detection of lipid mediators, or regulation of biological processes by lipid mediators.

### Organizers

Thomas Dawson, Prof, PhD, Senior Principal Investigator, Skin Research Institute of Singapore (SRIS), Agency for Science, Technology and Research (A\*STAR), Singapore

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