iSLS 5

5th International Singapore Lipid Symposium 2014

March 18–21, 2014
National University of Singapore

Chemical diversity
Natural variation
Lipidomics
Selective recognition
Capture devices

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SLING
Singapore
Lipidomics
Incubator

5th International Singapore Lipid Symposium 2014
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ISLS5 is organized and hosted by the Singapore Lipidomics Incubator, SLING. We invite and bring together researchers interested in lipid biology and novel technologies for lipid detection, modification and engineering.

Tue–Mar 18

09:00 – 12:00
Lipidomic mapping of Natural Variations (L-NAVA)

This is the founding meeting of a new consortium anchored in Asia-Pacific. The primary scientific aim of this multicenter initiative will be to determine natural variations in lipidomes at baseline levels (i.e., non-perturbed, non-diseased, etc). Individual and population diversity driven by ethnicity will be variables in the case of human studies. This consortium will be a scalable network, with compatible technological platforms offering replication studies and opportunities for the training of and the exchange between research scientists. Glycomic (G-NAVA) and proteomic (P-NAVA) components will add additional layers of information for integration with available data on genetic variation.

12:00 – 13:00   *Lunch*

13:00 – 15:00
Workshop 1
'Lipid metabolism and homeostatic systems'

VYTAS BANKAITIS (TEXAS A&M)
CHARLIE BOONE (U TORONTO)
DAVIS NG (TLL, SINGAPORE)
HOWARD RIEZMAN (U GENEVA)

15:00 – 17:00
Workshop 2
'Curating lipidomic information'

ED DENNIS (UCSD)
KIM EKROOS (ZORA BIOSCIENCES)
IVO FEUSSNER (U GOETTINGEN)
OLIVER FIEHN (UC DAVIS)
HARALD KOFELER (GRAZ)
TODD MITCHELL (U WOLLONGONG)
CRAIG WHEELOCK (KAROLINSKA)

19:00 – 21:00   *Reception (by invitation)*

Wed–Mar 19

09:00	Opening Remarks
09:20	**GEORGE RADDA** A*STAR, SINGAPORE **Spectroscopy for metabolic studies**
10:00	**JAY KEASLING** BERKELEY **Applying synthetic biology**
10:40	*Break*
11:10	**MALCOM MCCONVILLE** U MELBOURNE **Metabolism of (intracellular) parasites**
11:50	**ANNA NICOLAOU** U MANCHESTER **Lipid mediators in skin**
12:30	*Lunch*
13:30	**UTE ROESSNER** U MELBOURNE **Plant metabolomics**
14:10	**JOSHUA GOOLEY** DUKE-NUS **Circadian lipidomics**
14:50	**GIULIO SUPERTI-FURGA** CEMM, VIENNA **Signaling in immune cells**
15:30	*Break*
16:00	Short talk – selected from abstracts
16:20	Short talk – selected from abstracts
16:40	Short talk – selected from abstracts
17:00	Posters and reception
18:00	*Bus to hotel*

Thu–Mar 20

09:00	**RAM RAJASEKHARAN** CFTRI, MYSORE **Biochemistry of plant oils**
09:40	**DAVID SILVER** DUKE-NUS **PUFA transport**
10:20	*Break*
10:50	**ED DENNIS** UCSD **Eicosanoid lipidomics**
11:30	**HOWARD RIEZMAN** U GENEVA **Yeast sphingolipid function**
12:10	**MARKUS WENK** NUS **'deep profiling' of signaling lipids**
12:50	*Lunch*
14:00	**GILBERT DI PAOLO** COLUMBIA **Synaptic lipid metabolism**
14:40	**OLIVER FIEHN** UC DAVIS **Metabolomics and informatics**
15:20	**IVO FEUSSNER** U GOETTINGEN **Plant lipid metabolism**
16:00	*Break*
16:30	Short talk – selected from abstracts
16:50	Short talk – selected from abstracts
17:10	Short talk – selected from abstracts
18:00	*Bus to hotel*
20:00	*Conference dinner*

Fri–Mar 21

09:00	**BERND WOLLSCHEID** ETH, ZURICH **Cell surface proteomics**
09:40	**VYTAS BANKAITIS** TEXAS A&M **Targeting inositol lipid enzymes**
10:20	*Break*
10:50	**YASUYUKI IGARASHI** HOKKAIDO U **Diversity and function of sphingolipids**
11:30	**THORSTEN HORNEMANN** U HOSPITAL ZURICH **Title tba**
12:10	**LIAM BRUNHAM** A*STAR-NUS **HDL biomarkers**
12:50	*Lunch*
14:00	**CHARLIE BOONE** U TORONTO **Mapping genetic interactions**
14:40	**TBA**
15:20	**TBA**
16:00	*Break*
16:30	Short talk – selected from abstracts
16:50	Short talk – selected from abstracts
17:10	Short talk – selected from abstracts
17:30	Closing Remarks
18:00	*Bus to hotel*