Deep Sequencing in Infectious Diseases:

Immune and Pathogen Repertoires for the Improvement of Patient Outcomes

13-14 October 2016
Singapore

Grand Copthorne Waterfront Hotel, Level 2 Riverfront Ballroom

PRELIMINARY PROGRAM

Thursday, 13th October 2016

8:45 – 9:15am	Registration
9:15 – 9:30am	Opening Address by **Katja FINK**, SgSI Secretary & Chair of Workshop

Session 1: Immune repertoires shaped by pathogens

Chair: **Katja FINK**, Singapore Immunology Network, Singapore

9:30 – 10:10am	[KEYNOTE] **Deborah DUNN-WALTERS**, University of Surrey, Guildford, UK What can we learn from Ebola survivors?
10:10 – 10:40am	**Christopher VOLLMERS**, University of California, Santa Cruz, San Jose, USA
10:40 – 11:10am	Tea break
11:10 – 11:25am	Short Talk 01
11:25 – 11:40am	Short Talk 02
11:40 – 12:10pm	**Giorgio NAPOLITANI**, Weatherall Institute of Molecular Medicine, University of Oxford, UK
12:10 – 12:40pm	**Al LESLIE**, KwaZulu-Natal Research Institute for Tuberculosis and HIV, South Africa T-cell repertoires recruited to the lung in pulmonary TB infection
12:40 – 1:30pm	Lunch

Session 2: Pathogen evolution and the impact on immunity

Chair: **Swaine CHEN**, National University of Singapore / Genome Institute of Singapore, A*STAR, Singapore

1:30 – 1:50pm	**Niranjan NAGARAJAN**, Genome Institute of Singapore, A*STAR, Singapore
1:50 – 2:10pm	**Li Yang HSU**, National University Hospital Singapore, Singapore
2:10 – 2:30pm	**Colin BRENAN**, HiFiBio
2:30 – 2:45pm	Short Talk 03
2:45 – 3:00pm	Short Talk 04
3:00 – 3:30pm	Tea break
3:30 – 3:50pm	**Sebastian MAURER-STROH**, Bioinformatics Institute, A*STAR, Singapore Making sense of variants in influenza deep sequencing and beyond
3:50 – 4:10pm	**Oon Tek NG**, Tan Tock Seng Hospital, Singapore
4:10 – 4:50pm	[KEYNOTE] **Stephan SCHUSTER**, Nanyang Technological University, Singapore
4:50 – 6:30pm	Poster Sesssion
6:30 – 9:00pm	Social Dinner at Promenade, Level 1

Friday, 14th October 2016

Session 3: Technologies and analysis methods to interrogate repertoires

Chair: TBC

9:30 – 10:10am	[KEYNOTE] **Stephan QUAKE**, Stanford University, USA / Institute of Molecular and Cell Biology, A*STAR, Singapore
10:10 – 10:30am	**Evan NEWELL**, Singapore Immunology Network, A*STAR, Singapore
10:30 – 10:50am	**Yuan ZHU**, Genome Institute of Singapore, A*STAR, Singapore Deep Population Sequencing of Long CHB Virus Haplotypes Reveals Hidden Population Dynamics
10:50 – 11:10am	Tea break
11:10 – 11:30am	**Stephen RUDD**, Pacific Biosciences
11:30 – 11:45am	Short Talk 05
11:45 – 12:00pm	Short Talk 06
12:00 – 12:30pm	**Dmitriy M CHUDAKOV**, Central European Institute of Technology, Masaryk University, Czech Republic
12:30 – 1:30pm	Lunch
1:30 – 1:50pm	**Jian HAN**, iRepertoire
1:50 – 2:05pm	Short Talk 07
2:05 – 2:20pm	Short Talk 08
2:20 – 3:00pm	[KEYNOTE] **Patrick C WILSON**, The University of Chicago, USA
3:00 – 3:20pm	Tea break
3:20 – 4:00pm	**Panel Discussion:** How to improve the clinical application of available technologies?
4:00 – 4:10pm	Closing Remarks & Awards by **William BURKHOLDER**, Co-Chair of Workshop

**Draft program as of 14 June 2016 may be subjected to changes*
For more information or registration, visit www.sgsi.org.sg

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