

**Pre-conference Workshop Presented by
Joint Third AOHUPO and Fourth Structural Biology and Functional Genomics
Conference, Singapore, 2006
And
Singapore Society for Mass Spectrometry (SSMS)**

“Selected Topics in Proteomics and Mass Spectrometry”

**Venue: LT32, NUS
Date: December 1, 2006
Time: 9:00AM**

Program

First Session

- 9:00 – 9:10 Introduction and Overview **Dr. Max Chung (NUS)**
9:10 – 9:40 Sample Preparation **Ms Zhu Hua (GE Healthcare)**
9:40 – 10:10 Profiling of Proteins **Dr. Bi X (NUS)**

10:10 – 10:40 Coffee Break

- 10:40 - 11:10 Modern Mass Spectrometry - An Introduction and Biological Applications **Dr. Matthias Pelzing, Bruker Daltronics Australia**
11:10 – 11:40 Protein ID by MS and MS/MS **Mr. Jason Neo, Applied Biosystems**
11:40 – 12:00 Result Analysis/Bioinformatics/Data-mining **Mr. Robin Philp (BTI)**
12:00 – 12:30 Improved Ligand Fishing Combining Label-Free Interaction analysis with MS **Dr. Henry Tan (Biacore Inc / GE HealthCare)**

12:30 – 1:30 Lunch Break

Second Session

- 1:30 - 2:00 Shotgun Proteomics with MD-LC/MS **Dr. Qingsong Lin (NUS)**
2:00 – 2:30 Differential Protein Quantitation by 2D-LC/MS **Dr. Keli Ou (Agenica)**
2:30 – 3:00 Biomarker Discovery **Dr. Sandra Tan (NUS)**
3:00 – 3:30 Model Study for an Alternative Biomarker Discovery Workflow **Dr. Tom Hennessy (Agilent)**
3:35 - 4:00 Protein Conformation studies using H/D exchange and MALDI ToF MS **Dr. Ganesh Anand (NUS)**

4:00 – 4:30 Tea Break

Third Session SPECIAL TOPICS

- 4:30 – 5:00 Metabolite Profiling in Biomedical Research **Drs. Markus Wenk, Aaron Z. Fernandis, and Anne Bendt (NUS)**
5:00 – 5:30 Revolutions of protein analysis workflow from electrophoresis to transfer and detection **Dr. Cindy Huang (Invitrogen)**
5:30 – 6:00 A new dimension in MS; size and shape analysis by high definition ion mobility **Dr. Mark Ritchie (Waters Asia)**
6:00 – 6:30 Label free quantitative proteomics **Dr. Mark Ritchie (Waters Asia)**

End of Workshop