2015 Singapore Symposium on Metabolic Diseases
20-21 August 2015
Breakthrough and Discovery Theatrette, Level 4, Matrix, 30 Biopolis Street

Programme

20 Aug 2015 (Day One)

08:30 – 09:00 Registration

Opening Remarks

09:00-09:10 Lim Chuan Poh, Chairman, A*STAR

Britton Chance Memorial Award Lecture *(Chair: Weiping Han, SBIC, A*STAR)*

09:10-09:20 Introduction to Britton Chance Memorial Award

09:20-10:00 Philipp Scherer, University of Texas Southwestern Medical Center
Diabetes, Obesity and the Central Role of the Adipocyte in Maintaining Systemic Homeostasis

10:00-10:10 Q and A

Session One: Vascular Biology and Heart Failure *(Chair: David Silver, Duke-NUS)*

10:10-10:25 Yu Wang, Hong Kong University
Anti-vascular ageing effects of endothelial SIRT1

10:25-10:30 Q and A

10:30-10:45 Gary Sweeney, York University
Regulation of cardiac remodeling leading to heart failure by adipokines

10:45-10:50 Q and A

10:50-11:05 Roger Foo, Genomic Institute of Singapore, A*STAR
TBC

11:05-11:10 Q and A

11:10-11:40 Tea Break (30 mins)

Session Two: Beta Cell Biology and Diabetes *(Chair: E-Shyong Tai, NUHS)*

11:40-11:55 Dave Piston, Washington University
Juxtacrine Regulation of Glucagon Secretion

11:55-12:00 Q and A

12:00-12:15 Maureen Gannon, Vanderbilt University
FoxM1 and the regulation of functional ß-cell mass

12:15-12:20 Q and A

12:20-12:35 Claes Wollheim, University of Geneva
Glucotoxicity induces splicing and plasma membrane expression of the mitochondrial porin VDAC1

12:35-12:40 Q and A

12:40-12:55 Bernard Boehm, LKC Medical School of Nanyang Technological University
Autoimmune diabetes in adult-onset patients – Does it really matter?

12:55-13:00 Q and A

13:00-14:00 Lunch (1 hour)

Session Three: Adipose Tissue and Metabolic Diseases *(Chair: Philipp Scherer, UT Southwestern)*

14:00-14:15 Jae Bum Kim, Seoul National University
Adipose Tissue Dysregulation in Obesity and Metabolic Diseases

14:15-14:20 Q and A

14:20-14:35 Lei Sun, Duke-NUS Graduate Medical School
Regulation of brown fat development by long non-coding RNAs

14:35-14:40 Q and A

14:40-14:55 Feng Xu, Singapore Institute for Clinical Sciences
Epigenetic Regulation of Brown Adipocyte Differentiation and White Adipocyte Browning

14:55-15:00 Q and A

15:00-15:15 Aimin Xu, Hong Kong University
Chronic exercise alleviates obesity-related metabolic dysfunction by enhancing FGF21 sensitivity in adipose tissues

15:15-15:20 Q and A

15:20-15:50 Tea Break (30mins)

Session Four: Nutrition and Metabolic Regulation *(Chair: Matt Hirschey, Duke University)*

15:50-16:05 Ric Van Tol, Mead Johnson Nutrition
TBC

16:05-16:10 Q and A

16:10-16:25 Louise Harvey, Danone Nutricia
TBC

16:25-16:30 Q and A

16:30-16:45 Feng Liu, The University of Texas Health Science Center
Disulfide bond A Oxidoreductase-like Protein (DsbA-L): Regulation of Adiponectin Multimerization and Beyond.

16:45-16:50 Q and A

16:50-17:05 Koji Itahana, Duke-NUS Graduate Medical School
TBC

17:05-17:10 Q and A

17:10-17:25 Duanqing Pei, Guangzhou Institute of Biomedicine and Health, CAS
Vitamin C regulates somatic cell reprogramming

17:25-17:30 Q and A

17:45 Transport to venue for welcome dinner (speakers and invited guests)

18:30-21:00 Welcome dinner (speakers and invited guests)

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21 Aug 2015 (Day Two)

SSMD Young Investigator Award Lecture *(Chair: Weiping Han, SBIC, A*STAR)*

09:00-09:30 Xiaoyong Yang, Yale University
Dialog between brain and fat via O-GlcNAc signaling

09:30-09:40 Q and A

Session Five: Bioenergetics and Metabolism *(Chair: Jae Bum Kim, Seoul National University)*

09:40-09:55 Matthew Hirschey, Duke University
Mitochondrial protein acetylation and acylation regulate metabolism

09:55-10:00 Q and A

10:00-10:15 Inkyu Lee, KyungPook University
Role of pyruvate dehydrogenase (PDH) as a potential target of metabolic syndrome

10:15-10:20 Q and A

10:20-10:35 MinHo Shong, Chungnam National University School of Medicine
Cell autonomous and non-autonomous regulation of systemic energy metabolism in reduced electron transport chain function

10:35-10:40 Q and A

10:40-10:55 Walter Wahli, LKC Medical School of Nanyang Technological University
PPAR signaling in energy homeostasis

10:55-11:00 Q and A

11:00-11:30 Tea Break (30 mins)

Session Six : Intracellular Trafficking and Metabolic Diseases ***(Chair: Aimin Xu, Hong Kong University)***

11:30-11:45 Ling Qi, Cornell University
ER-Associated Degradation in Health and Disease: What Can We Learn From Mouse Models

11:45-11:50 Q and A

11:50-12:05 Yan Chen, Institute for Nutritional Sciences, CAS
Golgi apparatus-mediated signaling in metabolism and tumorigenesis

12:05-12:10 Q and A

12:10-12:25 Bao-Liang Song, Wuhan University
Mechanisms of Intracellular cholesterol transportation

12:25 – 12:30 Q and A

12:30-13:30 Lunch (1 hour)

14:00 – 15:00 Brief tour of SBIC (overseas speakers and invited guests)

15:00 Transport to sightseeing followed by dinner (overseas speakers and invited guests)

END of SYMPOSIUM