

Program of Symposium 'Metabolomics and Circadian Rhythm'

Center for Life Sciences, Auditorium, 28 Medical Drive

National University Singapore, Singapore

Nov. 25-27, 2019

Organisers: Jerzy Adamski (Helmholtz Zentrum München, Germany) and Anne Bendt and Markus Wenk (National University of Singapore)

Monday, Nov 25, 2019							
Session	Duration	Start at	Time end	Title of presentation	Presenter	Affiliation	
	0:10	9:30	9:40	Welcome address	Jerzy Adamski	HMGU, Germany	
Phenotypes	0:25	9:40	10:05	Metabolic profiling for prediction of chronic diseases	John C. Chambers	NUS, Singapore	
Chair: Jerzy Adamski	0:25	10:05	10:30	Steroid Metabolome in health and disease	Man-Ho Choi	KIST, Republic of Korea	
	0:25	10:30	10:55	Metabolomics of human sleep and circadian misalignment	Debra J. Skene	University of Surrey, UK	
	0:30	10:55	11:25	Coffee Break			
Cohorts	0:25	11:25	11:50	Wide-Targeted Metabolic profiling in a large scale cohort and clinical studies	Daisuke Saigusa	Tohoku University, Japan	
Chair: TBD	0:25	11:50	12:15	Defining Boundaries of Lipidomic Variations in Healthy Human Cohorts	Federico Torta	NUS, Singapore	
	0:15	12:15	12:30	Short Talk (selected from posters)	NN		
	2:00	12:30	14:30	Lunch with coffee and posters			
Microbiome	0:25	14:30	14:55	Microbiome analysis by targeted metabolomics	Matthias Scheffler	Biocrates Life Sciences, Austria	
Chair: TBD	0:25	14:55	15:20	Microbial Lipidomics – Novel Tools and Applications	Xueli GUAN	NTU, Singapore	
	0:25	15:20	15:45	Metabonomics reveals the mediators between interaction of gut microbes and host	Wang Yulan	NTU, Singapore	
	0:30	15:45	16:15	Coffee Break			
Physiology	0:25	16:15	16:40	Effects of circadian rhythms on learning behavior in university students	Joshua Gooley	Duke-NUS, Singapore	
Chair: TBD	0:25	16:40	17:05	Metabolic programming by the skeletal muscle circadian clock	Kenneth Dyar	HMGU, Germany	
	0:25	17:05	17:30	Novel Metabolomics Markers Predict Short-term Decline in Hand Grip Strength in Community-dwelling Older Adults	Kheng Siang Ng	Duke-NUS, Singapore	
	0:05	17:30	17:35	Close up day 1	Jerzy Adamski	HMGU, Germany	
Tuesday, Nov26, 2019							
Session	Duration	Start at	Time end	Title of presentation	Presenter	Organisation	
	0:10	9:30	9:40	Welcome address	Markus Wenk	NUS, Singapore	
Impact	0:25	9:40	10:05	Phospho-regulation of circadian rhythms	David Virshup	Duke-NUS, Singapore	
Chair: TBD	0:25	10:05	10:30	Defective Circadian Metabolism in Fatty Liver-induced Hepatocellular Carcinoma	Krisitin Eckel-Mahan	University of Texas, Houston, USA	
	0:25	10:30	10:55	Chrononutrition: Impact of meal timing on metabolic regulation	Jung Eun Kim	NUS, Singapore	
	0:30	10:55	11:25	Coffee Break			
Plants	0:25	11:25	11:50	Circadian regulation of membrane lipid profiles in Arabidopsis	Yuki Nakamura	Academia Sinica, Taiwan	
Chair: TBD	0:25	11:50	12:15	Deciphering the circadian changes in wheat metabolism by analysing protein and metabolite abundances	Nicolas Taylor	University of Western Australia	
	2:00	12:15	14:15	Lunch with coffee and posters			
Clinical	0:25	14:15	14:40	Alterations in branched-chain amino acid metabolism after bariatric surgery	Tan Hong Chang	SingHealth, Singapore	
Chair: Anne Bendt	0:25	14:40	15:05	Lipidome changes after bariatric surgery	Mark Haid	HMGU, Germany	
	0:15	15:05	15:20	Short Talk (selected from posters)	NN		
	0:30	15:20	15:50	Coffee Break			
Mechanisms	0:25	15:50	16:15	From oxygen rhythmicity to daily variance in exercise performance	Gad Asher	Weizmann Institute, Israel	
Chair: Markus Wenk	0:25	16:15	16:40	Stability and variability of personal human metabolomes over time	Gabi Kastenmüller	HMGU, Germany	
	0:05	16:40	16:45	Close up day 2	Markus Wenk	NUS, Singapore	
Dinner		17:00		Conference venue			
Night Safari		19:00		Optional for networking and fun. Transportation provided, entry at own cost. Bus leaves conference venue at 18:15			
Wednesday, Nov 27, 2019							
Workshop		10:00	12:00	Tools and Software Workshop. Optional, a separate registration required. No fees.	Gabi Kastenmüller	HMGU, Germany	
Lab visit		10:00	12:00	Visit to chronobiology laboratory. Optional, a separate registration required. No fees.	Joshua Gooley	Duke-NUS, Singapore	