

Program

2014 ASIA-PACIFIC
DIABETES AND OBESITY
STUDY GROUP

Friday, May 16

Time	Place	Title	Speaker / Chair
	Room 6 Emerald Hall A	APDO I – Diabetes & Obesity Insulin Signaling, Action and Secretion	Chairs: Nam Han Cho, Karen Lam
09:00~10:30	09:00~09:15	BIG3 as a negative regulator of insulin secretion	Wanjin Hong / 7 (A*STAR, Singapore)
	09:15~09:30	miRNA374: common regulator of PGC-1 α in hepatocytes and beta-cells	Kun-Ho Yoon / 8 (The Catholic University of Korea, Korea)
	09:30~09:45	Contribution of beta-cell associated macrophages to Type 2 diabetes	Trevor Biden / 9 (Garvan Institute, Australia)
	09:45~10:00	Molecular regulation of insulin secretion	Weiping Han / 10 (Singapore Bioimaging Consortium, Singapore)
	10:00~10:15	Defective oxidative metabolism in adipose tissue and systemic insulin resistance	Minho Shong / 11 (Chungnam National University, Korea)
	10:15~10:30	Prostaglandin metabolism in adipogenesis and obesity	Lee-Ming Chuang / 13 (National Taiwan University, Taiwan)
10:30~10:50		<i>Coffee break</i>	
	Room 6 Emerald Hall A	APDO Hot Issues in Recent Metabolism Researches	Chair: Masato Kasuga
11:00~12:30	11:00~11:45	Food as a hormone	Randy J. Seeley / 3 (University of Cincinnati, USA)
	11:45~12:30	The use of systems biology to understand metabolic disease	David E. James / 4 (Sydney University, Australia)
	Room 6 Emerald Hall A	APDO II – Diabetes & Obesity Mechanism of Metabolism Dysregulation	Chairs: Hyung Joon Yoo, Jae Bum Kim
14:30~16:00	14:30~14:45	The effect of high starch and high fat diets on adiposity and glucose tolerance in mice	Gregory J Cooney / 17 (Garvan Institute, Australia)
	14:45~15:00	Regulation of sphingolipid metabolism by endoplasmic reticulum stress	Tae-Sik Park / 18 (Gachon University, Korea)
	15:00~15:15	Role of SUMO-specific protease 2 as a key regulator of lipid metabolism in skeletal muscle	Kyong Soo Park / 19 (Seoul National University, Korea)
	15:15~15:30	Dysregulation of adipocyte function and metabolic diseases	Wataru Ogawa / 20 (Kobe University, Japan)
	15:30~15:45	Unique hepatic lipid profile in BALB/c mice correlates with protection from high fat diet-induced glucose intolerance	Nigel Turner / 21 (University of South Wales, Australia)
	15:45~16:00	Re-evaluating the mechanisms of high fat diet-induced defects in hepatic glucose metabolism	Clinton R. Bruce / 22 (Deakin University, Australia)

Time	Place	Title	Speaker / Chair
	Room 6 Emerald Hall A	APDO III – Diabetes & Obesity Central Regulation in Metabolism	Chairs: Kyungza Ryu, Weiping Han
16:10~17:40	16:10~16:25	Leptin enhances insulin-induced glucose uptake in skeletal muscle via MEK/ERK signaling in the ventromedial hypothalamus	Yasuhiko Minokoshi / 25 (National Institute for Physiological Sciences, Japan)
	16:25~16:40	The hypothalamic APPL2 as a novel regulator of energy homeostasis	Aimin Xu / 26 (The University of Hong Kong, Hong Kong)
	16:40~16:55	Central histidine action suppresses hepatic glucose production	Hiroshi Inoue / 27 (Kanazawa University, Japan)
	16:55~17:10	Interactions between leptin and insulin signalling in the hypothalamus	David R. Grattan / 28 (University of Otago, New Zealand)
	17:10~17:25	Adipose tissue dysregulation in obesity	Jae Bum Kim / 30 (Seoul National University, Korea)
	17:25~17:40	Characteristics of Adiponectin as abundant defense protein	Ichiro Shimomura / 31 (Osaka University, Japan)

Saturday, May 17

Time	Place	Title	Speaker / Chair
	Room 6 Emerald Hall A	APDO IV – Diabetes & Obesity New Players in Obesity and Diabetes	Chairs: In Sun Park, Peter Shepherd
08:30~10:00	08:30~08:45	Development of a small-molecule AdipoR agonist for type 2 diabetes and short life in obesity	Toshimasa Yamauchi / 35 (University of Tokyo, Japan)
	08:45~09:00	Anti-metabolic ageing activity of adipose SIRT1 at epigenetic levels	Yu Wang / 36 (The University of Hong Kong, Hong Kong)
	09:00~09:15	Role of PDK2 deficiency in hepatic steatosis and insulin resistance	In-Kyu Lee / 37 (Kyungpook National University, Korea)
	09:15~09:30	Identification of a novel adipogenic pathway	Hayley O'Neill / 38 (University of Queensland, Australia)
	09:30~09:45	Prostaglandin reductase-2 is a regulator of brown adipocyte lineage commitment and differentiation	Yu-Hsiang Yu / 39 (National Taiwan University, Taiwan)
	09:45~10:00	FAM3 family: a new player in metabolic diseases	Youfei Guan / 40 (Shenzhen University Diabetes Center, China)
	Room 6 Emerald Hall A	APDO V – Diabetes & Obesity Translational and Clinical Research	Chairs: Myung-Shik Lee, Youfei Guan
10:00~11:40	10:00~10:10	Break (APDO)	
	10:10~10:25	Monogenic cases of severe insulin resistance	Rinki Murphy / 43 (University of Auckland, New Zealand)
	10:25~10:40	Liver-brain inter-talk in glucose homeostasis: role of FGF21	Karen Lam / 45 (The University of Hong Kong, Hong Kong)
	10:40~10:55	Diet, host and gut microbe interactions in diabetes	Andrew J. Holmes / 46 (The University of Sydney, Australia)
	10:55~11:10	Arginine methylation of CRTCL2 is required for hepatic glucose metabolism	Seung-Hoi Koo / 47 (Korea University, Korea)
	11:10~11:25	Beta-catenin is important for GLP-1 potentiation of insulin secretion	Peter Shepherd / 48 (University of Auckland, New Zealand)
11:25~11:40	Regulation of energy balance by hypothalamic lipoprotein lipase regulator	Min-Seon Kim / 49 (University of Ulsan, Korea)	