

## ***Okazaki Symposium 2007 on Obesity & Diabetes***

***April 14 (Saturday) - April 15 (Sunday), 2007***

***Okazaki Conference Center  
Okazaki, Aichi, Japan***

### ***-Program-***

#### ***14 April (Sat)***

13:00      Opening Remarks (*Masayasu Kojima*)

#### **Session 1    Chairs: Masayasu Kojima & Young-Bum Kim**

13:05      Masamitsu Nakazato (Miyazaki Univ)  
Appetite control by gastrointestinal hormones and therapeutic potential of ghrelin for cachexia

13:30      Toshihiko Yada (Jichi Medical Univ)  
Young-adult specific hyperphagia due to NPY neuron hyperactivity is coupled with visceral obesity and leptin resistance in type 2 diabetic GK rats

13:55      Hiroyuki Shimizu (Gunma Univ)  
A new anorexigenic molecule, nesfatin-1

14:20      Minseon Kim (Ulsan Univ)  
Role of clusterin (apoprotein J) in the regulation of food intake and body weight

Break (15 min)

#### **Session 2    Chairs: Yoshihiro Ogawa & Jae Bum Kim**

15:00      Toshimasa Yamauchi (Tokyo Univ)  
Pathophysiological roles of adiponectin and adipoRs

15:25      Hiroaki Masuzaki (Kyoto Univ)  
Activation of the central melanocortin system mediates the restoration

of skeletal muscle AMP-activated protein kinase in mice fed high fat diet

15:50     Yuichi Oike (Kumamoto Univ)  
Angiopoietin-like factors (Angptls): potential new targets for therapy of obesity and related insulin resistance

16:15     Minho Shong (Chungnam National Univ)  
Chemical shift of redox state of pyridine nucleotides reverses obesity and metabolic syndrome

16:40     The group photo will be taken at the entrance of Okazaki conference center.

Break (10min)

**Session 3    Chairs: Hiroaki Masuzaki & Chen-Yu Zhang**

16:55     In-Kyu Lee (Kyungpook Univ)  
Role of the peroxisome proliferator-activated receptor-gamma co-activator-1 alpha (PGC-1 alpha) in diabetes ; Friend and foe

17:20     Chen-Yu Zhang (Nanjing Univ)  
Genipin inhibits UCP2-mediated proton leak and acutely reverses obesity- and high glucose-induced  $\beta$ cell dysfunction in isolated pancreatic islets

17:45     Jae Bum Kim (Seoul National Univ)  
LXR-mediated lipotoxicity in pancreatic beta-cells

19:00     Party at Okazaki New Grand Hotel  
A shuttle bus will leave at 18:30.

***15 April (Sun)***

**Session 4    Chairs: Yuichi Oike & Kyong Soo Park**

9:00     Ichiro Manabe (Tokyo Univ)  
Adipo-vascular crosstalk in obesity and cardiovascular disease

9:25     Yoshihiro Ogawa (Tokyo Med Dent Univ)  
Molecular basis for obesity-related adipose tissue inflammation

- 9:50      Morihiro Matsuda (Osaka Univ)  
Stresses on adipose tissue in obesity; ROS and Hypoxia, and their impact on adipocytokine dysregulation
- 10:15      Sung-Hee Choi (Seoul National Univ)  
Clinical implication of adipocytokines in pre-diabetes and high-risk patients of type 2 diabetes mellitus
- Break (15 min)

**Session 5    Chairs: Toshihiko Yada & Min Seon Kim**

- 10:55      Tadahiro Kitamura (Gunma Univ)  
The role of forkhead transcription factor Foxo1 in pancreatic  $\beta$  cells and brain hypothalamus
- 11:20      Yasuhiko Minokoshi (NIPS)  
Activation of AMP-kinase in the paraventricular hypothalamus increases the preference for high carbohydrate diet in mice
- 11:45      Tetsuya Yamada (Tohoku Univ)  
Autonomic nerve circuits modulate energy and glucose metabolism
- 12:05      Takanori Ida (Kurume Univ)  
Identification of neuromedin S and its possible role in the mammalian circadian oscillator system and feeding behavior
- 12:30      Closing Remarks