



# The 2nd IMCR Symposium on Endocrine and Metabolism:

## International Frontiers in Homeostatic Regulation Research

Date: November 10th (Thu) – 11th (Fri), 2016

Place: Tojo Hall, Gunma University (Showa Campus)

### November 10th (Thursday)

13:00-13:05 **Opening Remarks**  
**Hiroshi Hiratsuka** (President of Gunma University)

Session 1: Diabetes/Obesity Chair: Tadahiro Kitamura

13:05-13:35 **Beta-to-PP cell fate conversion in diabetic mice induced by a high fat diet and streptozotocin**  
**Yoshio Fujitani** (Gunma University)

13:35-14:05 **Biomarkers of diabetes and its complications**  
**Jin-Kui Yang** (Capital Medical University, China)

14:05-14:35 **Construction three-dimensional pancreatic tissue from pluripotent cells**  
**Yoshiya Kawaguchi** (Kyoto University)

14:35-14:50 Coffee Break

Session 2: Chronic Inflammation Chair: Izuho Hatada

14:50-15:20 **Visceral obesity and T cell senescence**  
**Motoaki Sano** (Keio University)

15:20-15:50 **A brain-heart-kidney network controls adaptation to cardiac stress through tissue macrophage activation**  
**Ichiro Manabe** (Chiba University)

15:50-16:20 **Organelle crosstalk mediates innate immune response**  
**Tatsuya Saitoh** (Tokushima University)

16:20-16:35 Coffee Break

Session 3: Special Lecture Chair: Ken Sato

16:35-17:10 **Novel roles of Rab27 effectors in regulated exocytosis of secretory granules**  
**Tetsuro Izumi** (Gunma University)

17:10-17:15 Short Break

Session 4: Special Lecture Chair: Yoshio Fujitani

17:15-18:15 **New insights in pancreatic development, cell plasticity and neoplastic conversion**  
**Christopher V. Wright** (Vanderbilt University, USA)

18:30-21:00 **Poster & Reception**

### November 11th (Friday)

Session 5: Multiorgans-related systems Chair: Tsutomu Sasaki

9:00-9:30 **Neuronal stress response for the drug discovery of neuropsychiatric disorders**  
**Akiko Hayashi-Takagi** (Gunma University)

9:30-10:00 **Active role of neuroinflammation in motor neuron disease**  
**Koji Yamanaka** (Nagoya University)

10:00-10:30 **Punctin/MADD-4 isoforms control excitatory versus inhibitory post-synaptic specialization**  
**Haijun Tu** (Hunan University, China)

10:30-10:45 Coffee Break

Session 6: Epigenome/Cancer Chair: Takeshi Inagaki

10:45-11:15 **Multiple roles for epigenetic regulator UHRF1 in oocyte growth and preimplantation development**  
**Hiroyuki Sasaki** (Kyushu University)

11:15-11:45 **Regulation of placental function by mammalian-specific genes from retrotransposons**  
**Fumitoshi Ishino** (Tokyo Medical and Dental University)

11:45-12:15 **Targeted manipulation of epigenome**  
**Izuho Hatada** (Gunma University)

12:15-12:20 **Closing Remarks**  
**Tetsuro Izumi** (Director of IMCR)