

**The University of Tokyo Global COE**  
**"Integrative Life Science Based on the Study of**  
**Biosignaling Mechanisms"**

**1st GCOE International Workshop**

**March 7 (Fri)**

**Faculty of Medicine Experimental Research Bldg.**

**13F Seminar Room 6**

**[http://www.u-tokyo.ac.jp/campusmap/cam01\\_02\\_09\\_j.html](http://www.u-tokyo.ac.jp/campusmap/cam01_02_09_j.html)**

**Organizer**

**Yukiko Gotoh and Haruo Kasai**

## ***Time table***

Opening remarks

**13:00-13:05** Yukiko Gotoh

1. Chaired by Kazuhiko Mimori (Hirokawa Lab. Graduate School of Medicine)

**13:05-13:40** Jesper Sjöström (University College London)

A dendritic switch for synaptic plasticity

**13:40-13:55** Kazuo Kitamura (University of Tokyo)

Targeted patch-clamp recordings and single-cell electroporation of unlabeled neurons in vivo

2. Chaired by Takuya Hiyama (Yokoyama Lab. Graduate School of Science)

**13:55-14:10** Kathryn N. Ivey (University of California, San Francisco)

Using microRNAs to Direct ES Cell Differentiation

**14:10-14:25** Kazuo Tonami (University of Tokyo)

Novel function of calpain6 in cytoskeletal organization and its implication in cell physiology

3. Chaired by Emi Ito (Nakano Lab. Graduate School of Science)

**14:25-14:40** Donghun Shin (University of California, San Francisco)

Bmp, Fgf and Wnt signaling in zebrafish liver development

**14:40-14:55** Yen-Rong Chen (University of Tokyo)

Mechanism of metabolic gene expression in liver development

Break

**14:55-15:25**

4. Chaired by Misato Yasumura (Mishina Lab. Graduate School of Medicine)

**15:25-15:40** Won-Suk Chung (University of California, San Francisco)

Intra-endodermal interactions are required for pancreatic beta cell induction

**15:40-15:55** Kana Ishimatsu (University of Tokyo)

Emergence of coordinated oscillation in the segmentation clock

5. Chaired by Ikue Yoshida (Mori Lab. Graduate School of Medicine)

**15:55-16:10** Joseph Daniele (Harvard University)

Locomotion, Phototaxis and the Drosophila Central Complex

**16:10-16:25** Tetsuo Yasugi (University of Tokyo)

Drosophila optic lobe neuroblasts triggered by a wave of proneural gene expression that is negatively regulated by JAK/STAT

6. Chaired by Takeshi Adachi (Iino Lab. Graduate School of Science)

**16:25-16:40** Wallace F. Marshall (University of California, San Francisco)

Dissecting the Centriole Proteome

16:40-16:55 Madoka Hiraki

Mechanism for establishing the 9-fold symmetry of the centriole

-A role of the cartwheel-

7. Chaired by Atsushi Yokoyama (Kato Lab. Institute of Molecular and Cellular Biosciences)

**16:55-17:10** Samy Lamouille (University of California, San Francisco)

Activation of the mTOR pathway in TGF-beta-induced epithelial to mesenchymal transition

**17:10-17:25** Takuya Shirakihara (University of Tokyo)

The role of  $\delta$ EF1 family proteins in the regulation of TGF- $\beta$ -induced epithelial-mesenchymal transition

Concluding remarks

**17:25-17:30** Haruo Kasai