



東北大学
TOHOKU UNIVERSITY



The 1st UCL-Tohoku University Symposium
<2010 JSPS London Symposium Series>
From Cell/Developmental Biology to Neuroscience

**Organised by UCL Faculty of Life/Biomedical Sciences,
Tohoku University, Faculty of Life Science and JSPS London**

Date: Monday 15th March, 10:00 – 17:50

Location: JSPS London

PROGRAMME

9:30- Registration Coffee

10:00-10:10 **Opening remarks**
Prof. Derek Tocher
Prof. Phil Luthert
Prof. Harukazu Nakamura
Prof. Shin-ichi Ohnuma

Section-I

Chaired by Prof. Ohnuma

- 10:10-10:40 **Prof. Mitsunori Fukuda (Tohoku University)**
Title: Rab small GTPases control melanosome formation and transport in melanocytes
- 10:40-11:10 **Dr. Yukiko Goda (UCL LMCB)**
Title: Regulation of synaptic strength by integrins
- 11:10-11:40 **Prof. Kazumasa Ohashi (Tohoku University)**
Title: Cofilin phospho-regulation play a critical role in cell motility and neuritogenesis
- 11:40-12:10 **Prof. Karl Matter (UCL Institute of Ophthalmology)**
Title: Signalling at tight junctions and epithelial differentiation
- 12:10-12:20 **Prof. Harukazu Nakamura (Tohoku University)**
Title: About Tohoku University
- 12:20-12:35 **Prof. Yuko Furukawa (Director, JSPS London)**
Title: JSPS presentation
- 12:35-1:40 Lunch

Section-II**Chaired by Dr. Fujita**

- 1:40-2:10 **Prof. Kazuhiro Sogawa (Tohoku University)**
Title: Loss of response to intermittent hypoxia in paraganglion cells with magnesium deficiency
- 2:10-2:40 **Prof. Pete Coffey (UCL Institute of Ophthalmology)**
Title: Human embryonic stem cell derived RPE for the treatment of age-related macular degeneration
- 2:40-3:10 **Prof. Hiroaki Yamamoto (Tohoku University)**
Title: Functional divergence of mammalian melanin pigment cells
- 3:10-3:40 Tea/Coffee Break

Section-III**Chaired by Dr. Yamamoto**

- 3:40-4:10 **Prof. Semir Zeki (UCL, Wellcome Laboratory of Neurobiology)**
Title: Multiple Visual Consciousnesses
- 4:10-4:40 **Prof. Ken-ichiro Tsutsui (Tohoku University)**
Title: Neural correlates of category-based behavior control
- 4:40-5:10 **Dr. Stephen Price (UCL, Cell and Developmental Biology)**
Title: Cranial Motor Nucleus Formation Through the Regulated Expression of Cadherin Cell Adhesion Molecules
- 5:10-5:40 **Prof. Harukazu Nakamura (Tohoku University)**
Title: Organizing signal for development of the tectum and cerebellum
- 5:40-5:50 **Closing remark**
Prof. Nakamura
Prof. Mary Collins