

The 1st International Conference of Tohoku NeuroscienceGCOE
From Genes to Development and Behavior
at Zao, Japan

January 23 (Wednesday)

16:00-16:15 **Business announcement and opening remarks**

Chairperson : D. Yamamoto (Tohoku Univ., Japan)

16:15-16:35

O-01 **D. Yamamoto** (Tohoku Univ., Japan)

The *fruitless* gene functions as a neural masculinization factor that produces cellular and behavioral sexual dimorphism in *Drosophila*

16:35-17:05

O-02 **E. M. C. Skoulakis** (Biomed. Sci. Res. Ctr., Greece)

Modeling cell and isoform type specificity of tauopathies in the brain of *Drosophila*

17:05-17:35

O-03 **H. Sun** (Inst. Mol. Biol. Academia Sinica, Taiwan)

Degeneration of optic lamina in *Drosophila* caused by defective endocytic function in lamina glial cells

17:35-17:50 **Coffee break**

Chairperson : D. Yamamoto (Tohoku Univ., Japan)

17:50-18:10

O-04 **M. Fukuda** (Tohoku Univ., Japan)

Role of small GTPase RAB27A and its effectors in regulated exocytosis

18:10-18:40

O-05 **G. Schiavo** (Cancer Res. Inst. London, UK)

Kidins220's functions in neuronal differentiation and central nervous system development

18:40-20:10

Dinner

20:10-22:30

Poster session with snacks and drinks

January 24 (Thursday)

7:30-9:00

Breakfast

Chairperson : H. Nakamura (Tohoku Univ., Japan)

9:00-9:30

O-06 **A. L. Joyner** (Sloan-Kettering Inst., USA)

Regulation of cerebellum patterning by Engrailed genes: from folds and stripes to circuits

9:30-10:00

O-07 **P. Esteve** (Cajal Inst., Spain)

Sfrp1, a Wnt signalling component, has multiple functions during eye development

10:00-10:15 **Coffee break**

Chairperson : M. Fukuda (Tohoku Univ., Japan)

10:15-10:35

O-08 **H. Nakamura** (Tohoku Univ., Japan)

Regulation of the Fgf8-Ras-ERK signaling pathway for cerebellar development

10:35-11:05

O-09 **J.-W. Tsai** (Columbia Univ., USA)

Subcellular roles for LIS1 and Dynein in radial migration of neurons during embryonic cortical development

11:05-11:25

O-10 **N. Osumi** (Tohoku Univ., Japan)

The role of PAX6 in neural stem/progenitor cells and astrocytes

11:25-11:40 **Coffee break**

Chairperson : N. Osumi (Tohoku Univ., Japan)

11:40-12:10

O-11 **P.-M. Lledo** (Institut Pasteur, France)

Olfaction and life-long neurogenesis

12:10-12:40

O-12 **J. L. R. Rubenstein** (UCSF, USA)

Genetic control of prefrontal cortex development

End of the conference

12:40 **Lunch**

Departure