

# **Program for “International symposium on Development and Regeneration of the Nervous system” and “Research meeting for Neural Development”**

**December 4<sup>th</sup>-6<sup>th</sup>, 2003**

talk 25 min , discussion 7 min, 2-3 min for computer arrangement  
each speaker has 35 min

## **Research meeting for neural development**

**December 4<sup>th</sup>, 2003**

13:00-13:05 opening of the meeting

13:05-13:40

SEIJI MIYATA

Department of Applied Biology, Kyoto Institute of Technology

Title: Activity-related, dynamic neuron-glial interactions in the  
hypothalamo-neurohypophysial system

13:40-14:15

Yukihiro Takayasu

Department of Neurophysiology,

Gunma University Graduate School of Medicine

Title: Roles of glial glutamate transporters at excitatory synapses in  
cerebellar

Purkinje cells

14:15-14:50

Tatsunori Seki

Department of Anatomy, Juntendo University School of Medicine

Title: Clustering of newly generated cells in hippocampal adult neurogenesis

14:50-15:10 coffee break

15:10-15:45

Y. Tokita, S. Aono, M. Ida, T. Shuo, F. Matsui and A. Oohira

Department of Perinatology, Institute for Developmental Research

Title: A role of a brain-specific chondroitin sulfate proteoglycan, neuroglycan C, in the brain development

15:45-16:20

Masahiro Yamaguchi

Department of Physiology

Graduate School of Medicine, University of Tokyo

Title: Neurogenesis in the adult olfactory bulb

16:20-16:40    coffee break

16:40-17:15

JUNYA TANAKA

DEPARTMENT OF PHYSIOLOGY, EHIME UNIVERSITY SCHOOL OF MEDICINE

Title: Microglia as a potential source of neurons, astrocytes and oligodendrocytes.

17:15-17:50

Akiyoshi Kakita

Department of Pathological Neuroscience, Brain Research Institute, Niigata University

Patterns and dynamics of glial progenitor migration

19:00- banquet for “Research Meeting for Neural Development” and get-together party for “International symposium on "Development and Regeneration of the Nervous system” at Okazaki Conference Center

(earlier start may be available since the place of the party is the same of the meeting)

**Dec 5<sup>th</sup>, 2003**

9:00-9:35

Tetsushi Kagawa

Department of Cell Fate Modulation, Institute of Molecular Embryology and Genetics, Kumamoto University

Title: Molecular Mechanisms underlying Oligodendrocyte Development

9:35-10:10

Katsuhiko Ono

Okazaki National Institutes

National Institute for Physiological Sciences

Division of Molecular Neurobiology

Title: Development of oligodendrocyte precursor cells in the Netrin-1 deficient mouse: a descriptive study

break before the starting the symposium, free-discussion and symposium

**International symposium on Development and Regeneration of the Nervous system**

10:40 opening of the meeting

10:45-11:20

Alison K. Hall (Case Western Reserve University / U.S.A.)

Title: "Activins and BMPs in neural differentiation"

11:20-11:55

Masayuki Miura, (University of Tokyo,)

Title: "Genetic dissection of neural cell death and degeneration pathway in Drosophila"

11:55-12:30

Charles D. Stiles (Harvard Medical School / U.S.A.)

Title: "Cellular and Genetic Origins of Oligodendrocytes"

12:30-13:30

Lunch break

13:30-14:05

Hirohide Takebayashi (National Institute for Physiological Sciences)

Title: Role of Olig genes in neuron and glia development

14:05-14:35

Kouichi Itoh (Tokyo Metropolitan Institute of Medical Science)

Title: "Molecular profiling during differentiation of oligodendrocytes in vitro"

14:35-15:10

Robert H. Miller (Case Western Reserve University / U.S.A.)

Title: "Spatial regulation of oligodendrocyte development"

15:10-15:30

Coffee break

15:30-16:05

Toshihisa Hatta (Shimane Medical University)

Title: "Role of gp130 signal in the development of cerebral cortex"

16:05-16:40

Kazunori Nakajima, (Keio University School of Medicine)

Title: "Neuronal Migration in the Cerebral Cortical Development"

10 min Short break for adjusting the schedule

### **Research meeting for Neural development**

16:50-17:25

Makoto Ishibashi

Department of Anatomy & Developmental Biology

Graduate School of Medicine, Kyoto University

"Molecular mechanisms of thalamic development

19:00

Banquet for International Symposium on Development and Regeneration of the Nervous system

**Dec 6<sup>th</sup>, 2003**

9:00am-9:35

Tetsu Shigo (Okayama University Medical School)

Title: "Adult neurogenesis in the mammalian forebrain"

9:35-10:10

Mark F. Mehler (Albert Einstein College of Medicine / U.S.A.)

Title: "Mechanisms regulating neuronal and glial fate decisions from regional neural stem and progenitor cells of the developing mammalian forebrain"

10:10-10:25 coffee break

10:25-11:00

Satoshi O. Suzuki, (Graduate School of Medical Sciences, Kyushu University)

Title: "Multiple cell populations in the early postnatal subventricular zone take distinct migratory pathways: a dynamic study of glial and neuronal progenitor migration."

11:00-11:35

Jeffrey D. Kocsis (Yale University School of Medicine / U.S.A.)

Title: "Cell transplantation strategies to repair the injured CNS"

11:35-

ending the meeting