

International Conference on Brain Function and Development
January 25-26, 2010

Monday, January 25

Opening

9:00-9:10 M. Fukuda University of Fukui, Japan

< Part I >

Developmental Aspects of the Brain and their Related Disorders

Moderator: M. Sato (University of Fukui, Japan)

9:10-9:40 T. Takumi Hiroshima University, Japan

**“A Mouse Model for Developmental Brain Disorder Made by a
Chromosome-Engineering Technique”**

9:40-10:05 M. Sato University of Fukui, Japan

“Molecular Aspects Shared by the Cortical Development and the Spinogenesis”

10:05-10:15 *break*

10:15-11:15 D.D.M. O'Leary Salk Institute, U.S.A.

“Patterning the Cerebral Cortex: The Genetics of Progenitor and Neuron Fate”

11:15-12:00 H. Higashida Kanazawa University, Japan

“Social Behavior and Oxytocin Secretion in the Brain Regulated by CD38 in Mice”

Lunch

< Part II >

Functional Brain Imaging for Cognition and Mind Development

(Fukui2010: The Fourth International Workshop on Biomedical Imaging)

13:00-13:10 H. Okazawa Opening remark for Fukui 2010

Keynote Lecture

Moderator: Y. Fujibayashi (University of Fukui, Japan)

13:10-14:10 H.T. Chugani Children's Hospital of Michigan, U.S.A.

“Human Brain Development: Neuroimaging Studies”

Session 1

Moderator: H. Okazawa (University of Fukui, Japan)

14:10-15:10 P.N. Rosa McGill University, Canada

“In vivo Evaluation of Glutamatergic Dysfunction in Brain Disorders”

15:10-16:10 **Poster Presentation** (& *coffee break*)

Session 2

Moderator: N. Tamaki (Hokkaido University, Japan)

16:10-17:20 **Oral Presentation**

Banquet

17:30-19:30 Hotel Fujita Fukui, Room “Tenzan”

Tuesday, January 26

Session 3

Moderator: I. Kanno (National Institute of Radiological Sciences, Japan)

9:00-10:00 E. Hamel McGill University, Canada

“Neurovascular Coupling: Mapping Pathways and Cellular Interactions that Lead to Hemodynamic Changes”

10:00-10:45 **Poster Presentation** (& *coffee break*)

Session 4

Moderator: H. Kimura (University of Fukui, Japan)

10:45-11:45 N. Sadato National Institute for Physiological Sciences, Japan

“The Role of Neuroimaging in Developmental Social Psychology”

Closing

11:45-11:55 Y. Yonekura National Institute of Radiological Sciences, Japan

<List of Corrigenda>

Page vii 5. M.ogawa “Development of brain nicotinic acetylcholine receptor imaging agents for PET and SPECT”

→ “Development of brain nicotinic acetylcholine receptor imaging agents for PET and SPECT”

Page 48 Dennis D.M. O’Leary → Dennis D.M. O’Leary, Ph.D

Page 48 Toru Takumi → Toru Takumi, MD, Ph.D

List of Oral Presentations

- 1. K. Suzuki** *Research Center for Child Mental Development, Molecular Imaging Frontier Research Center, and Department of Psychiatry and Neurology,
Hamamatsu University School of Medicine, Hamamatsu, Japan*

Reduced acetylcholinesterase activity in the fusiform gyrus in adults with autism.
(Poster 10)

- 2. Y. Kiyono** *Biomedical Imaging Research Center, University of Fukui, Fukui,
Japan*

Development of norepinephrine transporter imaging probe. (Poster 6)

- 3. H. Kosaka** *Department of Neuropsychiatry, Faculty of Medical Sciences and
Biological Imaging Research Center, University of Fukui, Fukui,
Japan*

Correlations between smaller brain volume and autism spectrum quotient or intelligence quotient in young male adults with pervasive developmental disorders.
(Poster 18)