

International Workshop for Molecular Functional Imaging -Brain and Gynecologic Oncology-

(Fukui2014: The Fifth International Workshop on Biomedical Imaging)

March 3-4, 2014

Monday, March 3

Opening

9:00-9:05 T. Ueda Executive Vice President, University of Fukui, Japan
9:05-9:10 H. Okazawa Chairperson of the Workshop, University of Fukui, Japan

< Part A-I >

Functional Brain Imaging for Neurodegenerative Disease and Psychiatric Disorders

Moderator: M. Yoneda (Fukui Prefectural University, Japan)

Keynote Lecture

9:10-10:10 **R.B. Innis** National Institute of Mental Health, U.S.A.
“Positron Emission Tomography of Human Brain can Monitor cAMP Signaling and Neuroinflammation: Applications to Depression and Alzheimer's Disease”

Moderator: Y. Ouchi (Hamamatsu Medical University, Japan)

Special Lecture (I)

10:10-11:00 **T. Suhara** National Institute of Radiological Sciences, Japan
“Imaging Biomarker of Human Behavior and Disease”

break

11:10-12:00 **Oral Presentations (Neuroimaging)**
M. Yoneda, et al. (Poster No. 13) Fukui Prefectural University, Japan
“Regional Changes in Cerebral Oxidative Stress of Neurodegenerative Disease Evaluated by ⁶²Cu-ATSM PET.”

M. A. Azim, et al. (Poster No. 1) Kanazawa University, Japan
“Evaluation of Radiolabeled *o*-Bromo-decalinvesamicol (OBDV) as a PET Ligand for the Vesicular Acetylcholine Transporter (VACHT).”

D. N. Saito, et al. (Poster No. 24) University of Fukui, Japan
“Developmental Changes of Attention Ability in Children and Adolescents.”

Lunch

< Part A-II >

Functional Brain Imaging for Neurodegenerative Disease and Psychiatric Disorders

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

Keynote Lecture

13:00-13:50 **M. Pagani** CNT, Italy; Chair of the Neuroimaging Committee, EANM
“Neurobiology of Neurodegenerative Disease: State-of-the-Art of Functional Pattern and Diagnostic Accuracy”

Special Lecture (II)

13:50-14:30 **M. Ono** Kyoto University, Japan
“Development of PET/SPECT Radiotracers for Molecular Imaging in Alzheimer’s Disease.”

Poster Presentation

14:30-14:50 **Poster Presentation** (& *coffee break*)

< Part B >

Brain Connectivity and Resting State Imaging

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

Keynote Lecture

14:50-15:40 **J.B. Poline** ¹⁾ University of California at Berkeley, USA, ²⁾Neurospin, France
“Functional Connectivity in BOLD fMRI - Methods and Reproducibility Issues.”

Symposium: Resting State Imaging with MRI and PET

Moderator: A. Tomoda (University of Fukui, Japan)

15:40-16:10 **Y. Iturria-Medina** McGill University, Canada
“Graph-based Analyses of Anatomical Brain Networks on the Study of Brain Disorders.”

16:10-16:40 **P.J. Toussaint** McGill University, Canada
“Functional Correlates of Metabolic Changes Measured by PET: Exploration of Univariate and Multivariate Approaches.”

16:40-17:10 **T. Iidaka** Nagoya University, Japan
“Resting State Functional Magnetic Resonance Imaging and Neural Network Classified Autism and Control.”

17:10- **Discussion**

17:25-18:15 **Poster Presentation** (& *drink service*)

Banquet

18:15-20:00 Yours’ Hotel Fukui, Room “Fuyo”

Tuesday, March 4

< Part C >

Functional Molecular Imaging for Gynecologic Oncology

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

Keynote Lecture

9:00-10:00 **P.W. Grigsby** Washington University, U.S.A.
“Evolution of PET for Gynecologic Oncology”

10:00-11:30 **Invited Speakers (Molecular Oncology)**

Moderator: O. Yoshino (University of Toyama, Japan)

Y. Ebina Kobe University, Japan
“Impact of FDG PET in Optimizing Patient Selection for Cytoreductive Surgery in Recurrent Ovarian Cancer.”

T. Kurokawa University of Fukui, Japan
“Clinical Imaging for Uterine Sarcoma: Which is the Most Useful Modality?”

S. Kyo Kanazawa University, Japan
“A Novel Adenovirus-mediated System for the Detection and Collection of Circulating Tumor Cells.”

Poster Presentation

11:30-11:50 **Poster Presentation (& coffee break)**

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

Special Lecture (III)

11:50-12:30 **M. Ogawa** Hamamatsu Medical University, Japan
“Seeing and Treating Cancer in a New Light; From Molecular Specific Imaging to Molecular Specific Therapies.”

Lunch

13:00-14:00 **Poster Presentation (& coffee break)**

< Part D >

Development of Imaging Modality and Software: Panasonic session

Moderator: M. Kiyono (Panasonic co., University of Fukui, Japan)

14:00-14:30 **K. Kondo** (Poster No. 33) ¹Panasonic co., ²University of Fukui, Japan
“Development of Image-Retrieval System for Lung CT Images using Radiological Interpretation Knowledge.”

14:30-15:00 **H. Motomura** (Poster No. 34) ¹Panasonic co., ²University of Fukui, Japan
“Digital Biospecimen Reconstruction Technology for Radiology-Anatomy-
Pathology Correlated Diagnosis.”

15:00-15:30 **H. Yaku** (Poster No. 35) ¹Panasonic co., ²Konan University, Japan
“Development of High Sensitive Telomerase Assay without False-Negative Results.”

15:30- **Discussion**

Closing

15:50-16:00 Y. Yoshida Chairperson of the Workshop, University of Fukui, Japan

16:00 Adjourn