

# Symposium by the PSJ Committee on the Promotion of Gender Equality

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March 29, Fri., 12:20-13:20

【Room M】 3F, Exhibition Hall

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**MLS** Seeking Gender Equality in Science. A comparison of issues and initiatives in Japan and New Zealand

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Chairs: **Yasuhiko Saito** (Nara Medical University, Japan)

**Tomoe Nakamura-Nishitani** (National Cerebral and Cardiovascular Center Institute, Japan)

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**MLS-1** Making room at the table: Gender equality initiatives at the Okinawa Institute of Science and Technology (OIST) Graduate University

Gail Tripp

Okinawa Institute of Science and Technology Graduate University, Japan

**MLS-2** Summary of the 4th Large-Scale Survey of Gender-Equality status in scientific professions

Tomoe Nakamura-Nishitani

National Cerebral and Cardiovascular Center Institute, Japan

# Luncheon Seminar1

March 29, Fri., 12:20-13:20

【Room B】 3F, Conference Center

## LS1 Structural Analysis of membrane proteins by Cryo-EM

(Co-sponsored by Thermo Fisher Scientific)

Chair: **Makoto Tominaga** (National Institute for Physiological Sciences, Japan)

### LS1-1 Single particle cryo-EM of membrane proteins

Yifan Cheng<sup>1,2)</sup>

<sup>1</sup>Howard Hughes Medical Institute, USA, <sup>2</sup>Department of Biochemistry and Biophysics, The University of California, USA

DAY 2

# Luncheon Seminar2

March 29, Fri., 12:20-13:20

【Room C】 3F, Conference Center

## LS2 - Visualize Cellular Function - Application of DOJINDO Reagents

(Co-sponsored by DOJINDO LABORATORIES)

Chair: **Kazuhito Tomizawa** (Kumamoto University, Japan)

Fan-Yan Wei

Department of Molecular Physiology, Faculty of Life Sciences, Kumamoto University, Japan

## Luncheon Seminar3

🇯🇵 Talk in Japanese

March 29, Fri., 12:20-13:20

【Room D】 4F, Conference Center

- LS3**      Physiological role of brain glycogen in rats with prolonged exercise-induced central fatigue: Usefulness of metabolomics study  
(Co-sponsored by Human Metabolome Technologies, Inc.)

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Chair: **Kentaro Kawanaka** (University of Fukuoka, Japan)

**Hideaki Soya**<sup>1,2,3)</sup>

<sup>1</sup>Laboratory of Exercise Biochemistry and Sport Neuroscience, Japan, <sup>2</sup>Advanced Research Initiative for Human High Performance (ARIHHP), <sup>3</sup>Faculty of Health and Sport Sciences, University of Tsukuba, Japan

## Luncheon Seminar4

March 29, Fri., 12:20-13:20

【Room G】 5F, Conference Center

- LS4**      Absorption of Rare Sugars in the Small Intestine  
(Co-sponsored by Matsutani Chemical Industry CO., LTD)

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Chair: **Masaaki Tokuda** (Kagawa University, Japan)

**Kunihiro Kishida**

Department of Science and Technology on Food Safety, Kindai University, Japan

# Luncheon Seminar5

🗣️ Talk in Japanese

March 29, Fri., 12:20-13:20

【Room I】 5F, Conference Center

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**LS5**      Functional imaging of marmoset visual cortex

(Co-sponsored by NIKON INSTECH CO., LTD.)

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Chair: **Misuzu Nakajima** (NIKON INSTECH CO., LTD., Japan)

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**LS5-1**      Functional imaging of marmoset visual cortex

Kenichi Ohki

Department of Physiology, Graduate School of Medicine, The University of Tokyo, Japan

**LS5-2**      Next generation confocal microscope system “A1R HD25”

Tadayoshi Ogura

NIKON INSTECH CO., LTD. Bioscience Sales Division, Japan

# Technical Workshop1

🗣️ Talk in Japanese

March 29, Fri., 12:20-13:20

【Room F】 5F, Conference Center

- TW1** Cutting edge of clinical rehabilitation for the paresis to reduce the burden on patients; Repetitive Facilitative Exercise combined with vibratory, electrical, magnetic stimulation and Robotics  
(Co-sponsored by YASKAWA ELECTRIC CORPORATION)

Chairs: **Seiji Etoh** (Graduate School of Medical and Dental Sciences, Kagoshima University, Japan)  
**Yong Yu** (Graduate School of Science and Engineering, Kagoshima University, Japan)

- TW1-1** Repetitive Facilitative Exercise combined with neuromuscular electrical stimulation and vibratory stimulation for the upper hemiplegic extremity  
**Tomokazu Noma**  
Department of Rehabilitation, Faculty of Health Sciences, Nihon Fukushi University, Japan
- TW1-2** Repetitive Facilitative Exercise combined with transcranial magnetic stimulation  
**Seiji Etoh**  
Department of Rehabilitation and Physical Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan
- TW1-3** Development of Hemiplegic Limbs Rehabilitation Devices Based on Repetitive Facilitation Exercise  
**Yong Yu**  
Department of Mechanical Engineering, Graduate School of Science and Engineering, Kagoshima University, Japan

## GAKUSAI (interdisciplinary) Seminar

March 29, Fri., 12:20-13:20

【Room H】 5F, Conference Center

### GAKUSAI Frontiers of Plasma Biology

(Co-sponsored by Department of Plasmabio Science, Center for Novel Science Initiatives (CNSI), National Institutes of Natural Sciences (NINS))

Moderator: **Motohiro Nishida** (National Institute for Physiological Sciences (Exploratory Research Center on Life and Living Systems), National Institutes of Natural Sciences, Japan)

- GAKUSAI-1** Future Medicine and Innovation for Agriculture and Fisheries Opened by Low-temperature Plasma Sciences  
**Masaru Hori**  
Center for Low-temperature Plasma Sciences, Nagoya University, Japan