

Luncheon Seminar6

🗨️ Talk in Japanese

March 30, Sat., 12:20-13:20

【Room A】 1F, Conference Center

LS6 Plasmalogen: The effects on Alzheimer's disease and its mechanism

(Co-sponsored by The Japanese Plasmalogen Society)

Chair: **Junichi Nabekura** (National Institute for Physiological Sciences, Japan)

LS6-1 Plasmalogens improve the memory and other functions in Alzheimer's disease and Mild Cognitive Impairment

Takehiko Fujino

The Japanese Plasmalogen Society, Japan

LS6-2 Plasmalogens are the key phospholipids to regulate memory and neuro-inflammation in the brain

Hossain Md Shamim

Faculty of Medical Sciences, Kyushu University, Japan

Luncheon Seminar7

🗨️ Talk in Japanese

March 30, Sat., 12:20-13:20

【Room B】 3F, Conference Center

LS7 Frailty and Ninjin'yoeito

(Co-sponsored by Kracie Pharmaceutical, Ltd.)

Chair: **Yoshinori Marunaka** (Kyoto Industrial Health Association, General Incorporated Foundation, Japan; Ritsumeikan University, Japan; Kyoto Prefectural University of Medicine, Japan)

LS7-1 Anti-frailty strategy:Ninjin-yoeito stimulates appetite center and restores feeding

Toshihiko Yada^{1,2)}

¹Kansai Electric Power Medical Research Institute Center for Integrative Physiology, Division of Integrative Physiology, Japan, ²Kobe University Graduate School of Medicine Division of System Physiology, Japan

LS7-2 Frailty and Ninjin'yoeito - toward healthy longevity

Akio Inui

Kagoshima University Graduate School of Medical and Dental Sciences Pharmacological Department of Herbal Medicine, Japan

Luncheon Seminar8

March 30, Sat., 12:20-13:20

【Room C】 3F, Conference Center

LS8 Imaging intracellular temperature using fluorescence lifetime imaging microscopy (FLIM) reveals novel thermal signaling

(Co-sponsored by Leica Microsystems K.K.)

Chair: **Makoto Tominaga** (National Institute for Physiological Sciences (NIPS), Japan; Exploratory Research Center on Life and Living Systems (ExCELLS), Japan)

Kohki Okabe^{1,2)}

¹Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan, ²PRESTO, JST, Japan

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Luncheon Seminar9

🗣️ Talk in Japanese

March 30, Sat., 12:20-13:20

【Room D】 4F, Conference Center

LS9 ABIS Luncheon Event: Neurophysiological Sciences Assisted by Imaging Support Network

(Co-sponsored by Grant-in-Aid for Scientific Research on Innovative Areas "Advanced Bioimaging Support (ABIS)" of MEXT, Japan)

Chair: **Masanobu Kano** (National Institute for Physiological Sciences, Japan; University of Tokyo, Japan)

LS9-1 Support system for the electron microscopic investigation of ultrastructure and molecular localization

Yugo Fukazawa

University of Fukui, Japan

LS9-2 Causal link between cerebellar LTD and motor learning revealed by the optogenetic tool PhotonSABER and SDS-FRL

Shinji Matsuda

University of Electro-Communications, Japan

LS9-3 What's "ABIS"

ABIS-Office

LS10 The effects of Bedding based on Physiology of sleep

(Co-sponsored by airweave inc.)

Chair: **Motohiro Ozone** (The Jikei University school of Medicine, Japan)

LS10-1 Investigation of sleep surface selection and its influence on sleep
Shintaro Chiba^{1,2)}

¹Ota Memorial Sleep center, Japan, ²Department of Otorhinolaryngology, The Jikei University school of Medicine, Japan

LS10-2 The effects of high rebound mattress topper on sleep and approach to the medical field

Motokuni Takaoka
airweave inc., Japan

Technical Workshop2

March 30, Sat., 12:20-13:20

【Room G】 5F, Conference Center

TW2 How to take advantage of new tools and techniques with Narishige products

(Co-sponsored by NARISHIGE SCIENTIFIC INSTRUMENT LAB.)

Chair: **Hidemasa Furue** (Hyogo College of Medicine, Japan)

TW2-1 Adeno-associated virus vector micro injection into mice brain to reveal function of neural circuitry involved in the regulation of sleep/wakefulness

Akihiro Yamanaka

Research Institute of Environmental Medicine, Nagoya University, Japan

TW2-2 Intrinsic plasticity of cerebellar Purkinje cells in motor learning circuits: Application of micro manipulators to patch clamping

Sang Jeong Kim

Department of Physiology, Seoul National University College of Medicine, Korea

TW2-3 Synaptic responses evoked by optogenetic activation of descending pain modulatory system: Recording from anesthetized animals placed in a stereotaxic apparatus

Hidemasa Furue

Department of Neurophysiology, Hyogo College of Medicine, Japan

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