

The Program of 1st International Plasmalogen Symposium

Day 1

8:00-8:50 **Registration**

Morning Session (9:00-11:40)

9:00-9:10 **Opening Remarks, Yutaka Oomura** (President of The Japanese Plasmalogen Society)

- *Plasmalogens and clinical diseases* -

Chairpersons: Nancy Braverman and Nicolas G. Bazan

9:10-9:40 **Wilhelm Just**

Tracking plasmalogen functions

9:40-10:10 **Ronald J.A. Wanders**

Disorders of etherphospholipid biosynthesis in humans: genetics, enzymology and improved diagnostics using lipidomics

10:10-10:40 **Nancy Braverman**

Rhizomelic chondrodysplasia punctata due to *PEX7* deficiency- clinical spectrum, mouse models and clinical trials

10:40-11:10 **Nicolas G. Bazan**

Targeting lipid mediators in therapies for stroke and neurodegenerative diseases

11:10-11:40 **Ryouta Maeba**

Clinical significance of blood plasmalogens: relevance to atherosclerosis

Lunch Break 11:40-13:10

Afternoon Session (13:10-18:20)

- *Plenary lecture 1* –

Chairperson: Yukio Fujiki

13:10-14:00 **Howard Goldfine**

Plasmalogens in anaerobic bacteria: synthesis and function

Coffee Break (14:00-14:20)

- *Plasmalogens and Alzheimer's disease* –

Chairpersons: Marcus O.W. Grimm and Toshihiko Katafuchi

14:20-14:50 **Shiro Mawatari**

Studies of ether phospholipids by using phospholipase A₁ from *Aspegillus oryzae*

14:50-15:20 **Marcus O.W. Grimm**

Link between plasmalogens and Alzheimer's disease

15:20-15:50 **Toshihiko Katafuchi**

Plasmalogen-induced signal transduction in learning and memory

15:50-16:20 **Yoshio Tsuboi**

Efficacy and safety of plasmalogen extracted from scallop in patients with moderate to severe Alzheimer's disease: open trial

16:20-16:50 **Takehiko Fujino**

Efficacy and safety of plasmalogen extracted from scallop in patients with mild cognitive impairment and mild Alzheimer's disease: a randomized, double-blind, placebo-controlled trial

16:50-18:20 **Poster Session**

Welcome Receptions (from 18:30): Kyushu University Medical Campus Conference Hall

Welcome speech: **Takehiko Fujino**

Closing speech: **Toshihiko Katafuchi**

Day 2

Morning Session (8:30-11:40)

- Plenary lecture 2 -

Chairperson: Ronald J.A. Wanders

8:30-9:20

Yukio Fujiki

Peroxisome homeostasis, dysfunctions, and disorders

Coffee Break (9:20-9:40)

- Plasmalogens and the biology of lipids –

Chairpersons: Ernst R. Werner and Makoto Murakami

9:40-10:10

Takao Shimizu

Biological roles of DHA-containing phospholipids *in vivo*

10:10-10:40

Natsuo Ueda

The phospholipase A/acyltransferase (PLAAT) family proteins: a possible involvement in regulation of peroxisome biogenesis and formation of N-acylated plasmenylethanolamines

10:40-11:10

Makoto Murakami

A unique plasmalogen pathway driven by secreted phospholipase A₂ regulates skin homeostasis and disease

11:10-11:40

Ernst R. Werner

Orphan enzymes in plasmalogen metabolism

Lunch Break 11:40-13:10

Afternoon Session (13:10-14:45)

- Plasmalogens in peroxisomal disorders –

Chairpersons: Ann B. Moser and Taroh Kinoshita

13:10-13:40

Nobuyuki Shimosawa

Diagnosis and treatment of peroxisomal diseases in Japan

13:40-14:10

Taroh Kinoshita

Altered GPI-anchor biosynthesis and function caused by peroxisome dysfunction

14:10-14:40

Ann B. Moser

Diminished plasmenylethanolamines in X-linked adrenoleukodystrophy

14:40-14:45

Closing Remarks, Yukio Fujiki
