

Omega-3 in Health Promotion & Disease Management

↳ FROM ANIMAL TO HUMAN

Sunday, January 8, 2017

**MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MA • FREE REGISTRATION
ROOM 2204, MGH NAVY YARD, 149 13TH ST**

The field of omega-3 research has evolved rapidly in recent years and its potential applications have become more diverse and significant for public health. At the same time, new challenges and issues have emerged in both the scientific and public acceptance of omega-3.

The aim of the **International Society for Omega-3 Research (ISOR)** is to bring together highly active investigators in the field, particularly young scientists interested in omega-3, to exchange ideas/thoughts, establish collaborations, adopt new technologies, and most importantly, promote and maintain a high standard of omega-3 research. The inaugural ISOR symposium will provide a platform for sharing research progress from the up-and-coming generation of investigators and highlight the frontier of the field of omega-3.

Main topics include:

Current Challenges and Opportunities for Omega-3 Research

Lipidomics and Biomarker Discovery

Unique Animal Models for Omega-3 Research

Novel Mechanisms for the Action of Omega-3 Metabolites

Gut Microbiota and Chronic Disease

New Clinical Applications for Omega-3

RSVP NOW: WWW.OMEGA3SOCIETY.ORG

NEW GENERATION • NOVEL CONCEPTS
INNOVATIVE TECH • GREATER IMPACT

OMEGA-3 RESEARCH

08:00-09:00 *Registration & Welcome Reception (Breakfast Provided)*

09:00-09:30 **Opening Remarks: Current Challenges and Opportunities for Omega-3 Research**

JING X. KANG

Massachusetts General Hospital and Harvard Medical School (USA)

09:30-09:55 **Lipidomics & Discovery of Novel Bioactive Omega-3 Metabolites**

MAKOTO ARITA

RIKEN Center for Integrative Medical Sciences (Japan)

09:55-10:20 **Modulation of Gut Microbiota as a Novel Mechanism for Omega-3 Benefits**

KANAKARAJU KALIANNAN

Massachusetts General Hospital and Harvard Medical School (USA)

10:20-10:45 **New Insights into the Anti-inflammatory Effects of Omega-3**

KARSTEN H. WEYLANDT

Charité University Medicine (Germany)

10:45-10:55 *Coffee Break*

10:55-11:20 **Use of Transgenic Mouse Models to Elucidate the Anti-cancer Effects of Omega-3**

DAVID MA

University of Guelph (Canada)

11:20-11:45 **New Mechanisms Underlying the Preventive Effects of Omega-3 on GI Tumorigenesis**

KI BAIK HAHM

CHA University (South Korea)

11:45-12:10 **Omega-3 Intervention to Suppress Tumor Growth and Metastasis**

CHIH-YU CHEN

Massachusetts General Hospital and Harvard Medical School (USA)

12:10-12:35 **Modulation of Lipid Metabolism in Cancer Stem Cells by Omega-3**

MENG WANG

Massachusetts General Hospital and Harvard Medical School (USA)

12:35-1:30 *Lunch*

- 1:30-1:55 **New Approaches to Uncovering Neuroprotective Effects of Omega-3**
HUANXING SU
University of Macau (Macau)
- 1:55-2:20 **Maternal Omega-3 Status Influence Offspring Gut Microbiota & Susceptibility to Obesity**
RUAIRI ROBERTSON
University College Cork (Ireland)
- 2:20-2:45 **Novel Effect of Omega-3 on HFD-Induced Dysfunction of Brown Fat**
LEI HAO
Texas Tech University (USA)
- 2:45-3:10 **Identification of a Novel Thermogenic Pathway Mediated by Omega-3 Metabolites**
LUIZ OSORIO S. LEIRIA
Joslin Diabetes Center (USA)
- 3:10-3:20 *Coffee Break*
- 3:20-3:45 **Personalized Treatment of Depression with Omega-3**
KUAN-PIN SU
China Medical University (Taiwan)
- 3:45-4:10 **Treatment of Patients with Acute Myocardial Infarction with High Dose of Omega-3**
RAYMOND Y. KWONG
Brigham and Women's Hospital and Harvard Medical School (USA)
- 4:10-4:35 **Opposing Effects of Omega-6 and Omega-3 on Obesity Development in Women**
LU WANG
Brigham and Women's Hospital and Harvard Medical School (USA)
- 4:35-5:00 **Omega-3 Intake and Colorectal Cancer Incidence and Survival**
MINGYANG SONG
Massachusetts General Hospital and Harvard Medical School (USA)
- 5:00-5:20 **Omega-3-based Nutritional Intervention for Cancer Rehabilitation**
JING X. KANG
Massachusetts General Hospital and Harvard Medical School (USA)
- 5:20-6:00 **Closing Remarks: Discussion and Conclusion**
- 6:00-8:00 *Banquet Dinner*