Satellite Symposium to the 19th International Congress of Nutrition (ICN2009)

Advances in Amino Acid Research in Human Health and Disease

Date: 4 October, 14:00-17:00, 2009

Venue: BITEC, Bangkok, Thailand

Organizer : Japanese Society for Amino Acid Sciences (JSAAS)

Co-organizers: Japanese Society of Nutrition and Food Science (JSNFS)

Co-organizers: International Council on Amino Acid Science of Japan (ICAAS Japan)

Purpose:

Recently, the field of amino acid science has shown remarkable progress, both from the basic and the clinical research perspectives. This satellite symposium deals with exciting topics in this area, including amino acid transporters and intracellular signaling, amino acid metabolism during the human life cycle from infancy to aging, and in critical illness. Additionally, novel advanced techniques will be applied to medical applications, such as quantitative proteomics, bioinformatics, and a new clinical "Amino Index", which will open new areas of amino acid research.

Chairs: Motoni Kadowaki, PhD (Niigata University, Niigata, Japan)

Dennis M. Bier, MD (Baylor College of Medicine, Houston, USA)

Program :

14:00-14:05 Opening Remarks

14:05-14:30

1) Yoshikatsu Kanai, PhD Osaka University, Osaka, Japan

Amino acid transporters in cancer: relevance to its diagnosis and therapeutics

14:30-14:55

2) Dwight E. Matthews, PhD The University of Vermont, Burlington, VT, USA

Beyond amino acids: quantifying posttranslational changes in proteins in nutrition and Physiology

14:55-15:20

3) Takeshi Kimura, PhD Ajinomoto Co., Ltd., Tokyo, Japan

Potential use of amino acids in identifying nutritional and disease states

15:20-15:40 Coffee break

15:40-16:05

4) Satish C Kalhan, MD Case Western Reserve University, Cleveland, OH, USA
Advances in Amino Acid Metabolism in Human Infants

16:05-16-30

5) Naomi K. Fukagawa, MD, PhD University of Vermont, Burlington, VT, USA
Advances in Amino Acid Metabolism and Requirements in the Aging Human

16:30-16-55

6) Jan Wernerman, MD Karolinska Institutet, Stockholm, Sweden
Advances in Amino Acid Metabolism in the Injured Human

16:55-17:00 Closing remarks