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