

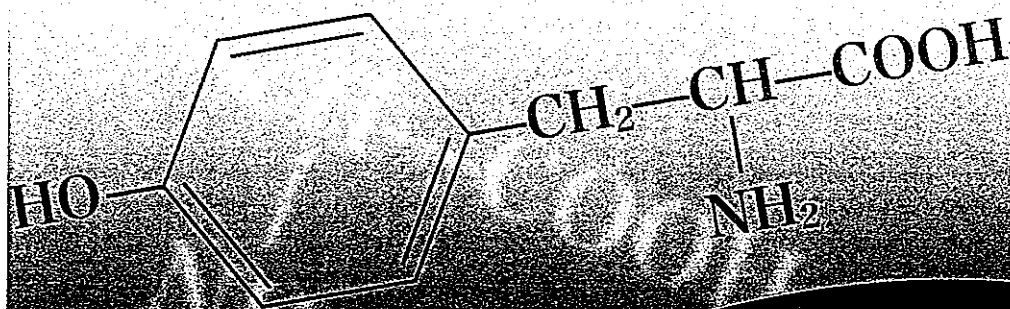


ICN
19
International Congress
of Nutrition 2009

JSAAS

Pre Congress Symposium

Advances in Amino Acid Research in Human Health and Disease



4th October, 2009, at 14:00-17:00

Bangkok International Trade and Exhibition Centre (BITEC)

Organizer:
Japanese Society for Amino Acid Sciences (JSAAS)

Co-organized with:
Japanese Society of Nutrition and Food Science (JSNFS)
International Council on Amino Acid Science (ICAAS)

Welcome Message

Welcome to the Pre-Congress Symposium of ICN 2009 on “Advances in Amino Acid Research in Human Health and Disease”

Dear colleagues,

It is a great pleasure for us to have an opportunity to come together in this room with our colleagues from all over the world for a lively discussion on advances in our knowledge of amino acid research.

Amino acids are among the most important and widespread groups of naturally occurring compounds of fundamental importance in nutritional science and in the role of nutrition in human health. The field of amino acid science is now expanding from basic and clinical research perspectives through the introduction of a number of state-of-the-art technologies in the life sciences. In today's symposium, we will discuss advances in the following topics: amino acid transporters and intracellular signaling, quantitative proteomics, bioinformatics and a new “AminoIndex” of potential clinical use. In addition, since the horizon of amino acid sciences extends throughout the human life cycle from infancy to aging, both in health and in critical illness, we will hear how these topics have opened new areas of amino acid research. From these presentations, we hope you will take home the message that the amino acid field is poised to enter a new wave of scientific insights complimenting the huge contributions that have been made in the past.

We hope that this symposium is exciting and provocative for all of you, and contribute to your having an enjoyable and unforgettable week at ICN 2009 in Bangkok.



Motoni Kadowaki, PhD

*Chair and Moderator
Niigata University, Niigata, Japan
President of Japanese Society for Amino Acid Sciences*



Dennis M. Bier, MD

*Chair and Moderator
Baylor College of Medicine, Houston, USA*

Program

- 14:00-14:05** Opening Remarks
- 14:05-14:30** Amino Acid Transporters in Cancer: Relevance to Its Diagnosis and Therapeutics
Yoshikatsu Kanai, PhD, *Osaka University, Osaka, Japan*
- 14:30-14:55** Beyond Amino Acids: Quantifying Posttranslational Changes in Proteins in Nutrition and Physiology
Dwight E. Matthews, PhD, *The University of Vermont, Burlington, VT, USA*
- 14:55-15:20** Potential Use of Amino Acids in Identifying Nutritional and Disease States
Takeshi Kimura, PhD, *Ajinomoto Co., Ltd., Tokyo, Japan*
- 15:20-15:40** Coffee Break
- 15:40-16:05** Advances in Amino Acid Metabolism in Human Infants
Satish C Kalhan, MD, *Case Western Reserve University, Cleveland, OH, USA*
- 16:05-16:30** Advances in Amino Acid Metabolism and Requirements in the Aging Human
Naomi K. Fukagawa, MD, PhD, *University of Vermont, Burlington, VT, USA*
- 16:30-16:55** Advances in Amino Acid Metabolism in the Injured Human
Jan Wernerman, MD, PhD, *Karolinska Institute, Stockholm, Sweden*
- 16:55-17:00** Closing Remarks