

ISTRY2018

in KYOTO JAPAN

The 15th International Society for Tryptophan Research (ISTRY) Conference

– Tryptophan Research from Bench Research to Clinical Outcome –

2018 ISTRY Conference

Tuesday, September 18, 2018

13:30 Opening Remarks – Kuniaki Saito, Fujita Health University
Plenary 1
Chair: Katsumi Shibata, The University of Shiga Prefecture

13:45- Speaker
14:45 Yoshiharu Shimomura, Nagoya University

14.45- Break, coffee and refreshments
15.00

Symposium 1

**Cooperated by Japanese Society for Amino Acid Science (JSAAS) and
International Council on Amino Acid Science(ICAAS Japan)**

Chair: Katsumi Shibata, The University of Shiga Prefecture
Chair: Yoshiharu Shimomura, Nagoya University

15:00-16:00 Speaker 1
Trevor Stone, University of Oxford
Talk Title: The kynurenine pathway: where is it leading us?

16:00-17:00 Speaker 2
Shigeki Furuya, Kyusyu University
Talk Title: To be confirmed

18:00- Reception
20:00 Buses depart for HIKONE CASTLE RESORT & SPA

Wednesday, September 19, 2018

Morning Seminar

Chair: Hidetsugu Fujigaki, Fujita Health University

8:50-9:20 Speaker

Robyn Tolhurst, Red Fern Communication

Talk Title: English for Scientists – Getting published in the early part of your career

Session 1, Track: Immunology & Pathology

Chair: Gilles Guillemin, Macquarie University

Chair Kuniaki Saito, Fujita Health University

9:30-9:55 Speaker 1

Luigina Romani, University of Perugia

Talk Title: Convergent evolution of fungal and mammalian IDO for microbial and immune tolerance

9:55- Speaker 2

10:20 Takeshi Hara, Gifu University

Talk Title: Indoleamine 2, 3 dioxygenase (IDO) as a prognostic factor of hematological malignancies

10:20- Speaker 3

10:45 Sandeep Mittal, Wayne State University

Talk Title: Role of tryptophan metabolism and the kynurenine pathway in brain tumors

10:45- Speaker 4

11:10 Katrin Andreasson, Stanford University School of Medicine

Talk Title: Macrophage immune function is specified by de novo NAD⁺ synthesis in aging and inflammation

11:10- Speaker 5

11:35 Gilles Guillemin, Macquarie University

Talk Title: To be confirmed

11:35-

12:45

Lunch

Plenary 2

Chair: Osamu Takikawa, Japan Agency for Medical Research and Development (AMED)

12:45-

13:45

Speaker

Takahiro Ochiya, National Cancer Center Research Institute

Talk Title: To be confirmed

13:45-
14:00 Break, coffee and refreshments

Session 2, Track: Biology & Chemistry

Chair: Shigenobu Tone, Tokyo Denki University

Chair: Hajime Yuasa, National University Corporation Kochi University

14:00- Speaker 1
14:25 Daniel Kalman, Emory University School of Medicine
Talk Title: The role of Indoles in Frailty and Healthspan

14:25- Speaker 2
14:50 Midori Matsumoto, Keio University
Talk Title: Tryptophan induces the Proliferation of Germ Stem Cell in Planarian

14:50- Speaker 3
15:15 Hajime Yuasa, National University Corporation Kochi University
Talk Title: Molecular evolution of tryptophan-degrading enzymes.

15:15- Speaker 4
15:40 Christopher Austin, Australian Catholic University
Talk Title: Boron Clusters as Novel Frameworks in IDO1 Drug Discovery

15:40- Speaker 5
16:05 Akira Asai, University of Shizuoka
Talk Title: Discovery of thiourea derivatives as novel inhibitors of IDO and TDO

16:05-
16:15 Break, coffee and refreshments

16:15 -
18:15 Poster session

18:15 Departure for tour, organized by Social gathering for young scientists (joint event with Japan-Korea student exchange)

Thursday, September 20, 2018

Session 3, Track: Neuroscience

Chair: Lena Brundin, Van Andel Institute

Chair: Sophie Erhardt, Karolinska Institutet

9:30-9:55 Speaker 1
Florian Zepf, The University of Western Australia

Talk Title: Tryptophan & serotonin from a child & adolescent psychiatrist's perspective-clinical and research implications

9:55- Speaker 2

10:20 Sophie Erhardt, Karolinska Institutet

Talk Title: Role of kynurenic acid in psychotic disorders

10:20- Speaker 3

10:45 Robert Dantzer, The University of Texas MD Anderson Cancer Center

Talk Title: What role does the kynurenine pathway play in inflammation-induced depression?

10:45- Speaker 4

11:10 Hyoung-Chun Kim, Kangwon National University

Talk Title: Role of IDO-1 gene in the neurotoxic condition

11:10- Speaker 5

11:35 Lena Brundin, Van Andel Institute

Talk Title: Clinical studies of the kynurenine pathway in subtypes of depression and suicidality

11:35-
13:00

Lunch

Session 4, Track: Analytical & Methodology

Chair: Trevor Stone, University of Oxford

Chair: Osamu Takikawa, Japan Agency for Medical Research and Development (AMED)

13:00- Speaker 1

13:25 Csaba Juhasz, Wayne State University,

Talk Title: Imaging tryptophan uptake and metabolism in brain tumors

13:25- Speaker 2

13:50 Kenji Hamase, Kyushu University

Talk Title: Chiral amino acid analysis using multi-dimensional HPLC: a new frontier of the amino acid and protein research

13:50- Speaker 3

14:15 Takahiro A. Kato, Kyushu University

Talk Title: Objective blood biomarkers of psychiatric disorders focusing on tryptophan-kynurenine pathways

14:15-
14:30

Break, coffee and refreshments

14:30-
16:00 Best Poster Award & Oral presentation

16:15 Buses depart for NOH Ceremony & Hikone Art Museum

Friday, September 21, 2018

Session 5, Track: Nutrition & Toxicology

Chair: Florian Zepf, The University of Western Australia

Chair: Yukari Egashira, Chiba University

9:30- Speaker 1

9:55 Takashi Nakagawa, University of Toyama

Talk Title: Dissecting the route for NAD synthesis by NAD precursor

9:55- Speaker 2

10:20 Yusuke Shibui, Ajinomoto Co., Inc.

Talk Title: Safety Evaluation of L-Tryptophan - Is Tryptophan supplementation safe or not ?-

10:20- **Speaker 3**

10:45 **Valerie Autier, [METABRAIN RESEARCH](#)**

Talk Title: Targeting Kynurenine Pathway to Treat Metabolic Ageing Disorders

11:45-

11:10 Speaker 4

Tsutomu Fukuwatari, The University of Shiga Prefecture Talk Title: Evaluation of bioavailability of niacin in foods using QPRT-deficient mice

11:10-
11:30 Closing remarks

12:00 Buses depart for Excursion