

International Symposium "Asian Aging Core for Longevity (AACL) 2006- 2015, 10 years and Beyond" (Japan-Korea Joint Seminars on Aging, Brain, and Neurodegeneration)

Dates: March 10-13, 2015 (March 11, Off-campus)

Place: Osaka University Nakanoshima Center

<http://www.onc.osaka-u.ac.jp/others/map/index.php>

March 11 (Wed): Off-Campus Open Discussion and Public Lectures

Place: Nara International Semina House (Kyu-Sesonin)

<http://nara-manabi.com/nara/kyuseson/>

Secretary Office:

Department of Anatomy and Neurobiology

Nagasaki University School of Medicine

March 10 (Tue)

Registration 13:30-

14:20

Opening Remarks

Nozomu Mori (Nagasaki Univ)

**** Session 1 Genes of Longevity and Aging ****

14:30-17:00 (chair: Toshiro Aigaki)

Toshiro Aigaki (Tokyo Metro Univ)

Regulation of growth, body size and lifespan in *Drosophila*

Reiko Inagi (Univ Tokyo)

Chronic kidney disease (CKD) and premature aging of kidney

Kunihiko Yasuda/Nozomu Mori (Nagasaki Univ)
TBA

Yoshikazu Higami (Tokyo Univ Science)
Srebp-1c plays an important role for metabolic remodeling of white adipose tissue,
and anti-aging and pro-longevity actions of caloric restriction

Yoichi Nabeshima (FBRI-Kobe)
Klotho research, today and tomorrow

March 11 (Wed)

March 11 (Wed) AM (This session will be held at Nara International Seminar House)
***** Open Discussion Forum *****

10:00-10:30 Part 1 (chair: Kunihiko Yasuda and Antonello Lorenzini)
mTOR in signaling of aging and longevity

10:45-11:15 Part 2 (chair: Sho Kakizawa and Catina M. Sorgato)
Ca²⁺ homeostasis in aging and neurodegeneration

11:30-12:00 Part 3 (chair: Gen Matsumoto and Yongtae Kwon)
p62 adaptors in signaling of proteostasis and neurodegeneration

March 11 (Wed) PM (This session will be held at Nara International Seminar House)
***** Public Lectures ***** (JAPANESE)

14:00-16:00
Nozomu Mori (Nagasaki Univ)
Genes of longevity in the aging brain
Toshiro Aigaki (Tokyo Metro Univ)
Longevity gene hunting in the fruit fly
Taisuke Tomita (Univ Tokyo)
Unveiling the mysteries of Alzheimer's disease
Akihiko Takashima (NILS/NCGG)
Novel therapeutic approaches to Alzheimer's disease

March 12 (Thu)

***** Session 2 Alzheimer's Disease *****

9:00-11:30 (chair: Hiroyuki Nawa)

Atsushi Iwata (Univ Tokyo)

Epigenetics in Alzheimer's and Parkinson's disease

Taisuke Tomita (Univ Tokyo)

Pathophysiological functions of genetic modifiers of Alzheimer disease

Toshiharu Suzuki (Hokkaido Univ)

Altered cleavages of amyloid beta-protein precursor and Alcadein by gamma-secretase by changing membrane lipid composition – A possible cause of sporadic Alzheimer's disease by aging

Youngsoo Kim (KIST)

Blood-based diagnostic methods for Alzheimer's disease

Akihiko Takashima (NILS/NCGG)

Aging and Tau

***** Session 3 Brain Development and Abnormality *****

13:00-14:00 (chair: Toshiharu Suzuki)

Hiroyuki Nawa (Niigata Univ)

Neuropathological impact of peripheral cytokines on dopaminergic development; Implication for schizophrenia

Sung joong Lee (SNU)

TLR2-induced MMP9 activation in brain astrocytes compromise BBB and enhances brain damage in collagenase-induced intracerebral hemorrhage

***** Session 4 Plenary Lectures *****

14:15-17:00 (chair: Nozomu Mori)

Zhongjun Zhou (Univ Hong Kong)

Lamin A is an endogenous SIRT6 activator and promotes SIRT6-mediated DNA repair

Antonello Lorenzini (Univ Bologna)

Genomic stability and longevity: Insights from a comparative cell culture approach

Catia M Sorgato (Univ Padva)
The patho-physiologic link of the prion protein with Ca^{2+} homeostasis

18:30-21:00
Reception

March 13 (Fri) AM

***** Session 5 Brain Aging, Metabolism and Proteostasis *****

8:45-11:45 (chair Inhee Mook-Jung)
Shozo Jinno (Kyushu Univ)
Aging-related expression changes in core protein and carbohydrate chain of aggrecan in the hippocampus and their modulation by memantine

Inhee Mook-Jung (SNU)
Neuron-Glia Cross talk in Alzheimer's disease pathogenesis

Eun Seoung Hwang (UoS)
Mechanism underlying the nicotinamide induced mitochondrial quality enhancement

Satoshi Inoue (Univ Tokyo)
Roles of a mitochondrial respiratory supercomplex assembly factor in muscle, bone and cancer metabolism

Gen Matsumoto/Nozomu Mori (Nagasaki Univ)
Regulation of p62-mediated selective autophagy in brain

Yongtae Kwon (SNU)
The N-end rule proteolytic pathway in regulation of p62-dependent autophagy and autophagic protein degradation

11:45-12:00
Closing Remarks
Nozomu Mori (Nagasaki Univ)/Inhee Mook-Jung (SNU)/Eun Seoung Hwang (UoS)

12:00 Departure