International Symposium of
Asian Association of Aging Research
2012 in Fukuoka

August 24-26, 2012
Tsukushi-kaikan/ Hotel Fukuoka Garden Palace
Fukuoka, Japan

Organizing Committee:
Isao Shimokawa, Nozomu Mori, Eun-Seong Hwang, Zhongjun Zhou

Supports:
Asian CORE Program of Japan Society for the Promotion of Science
Nagasaki University
(NPO) Medical Information Network
August 24 (Fri)

14:00  Arrival and Check-in

15:55  Isao Shimokawa (Nagasaki University, Japan)
Opening remark (Meeting Room 601)

Session 1  Brain aging and disorders (Room 601)
Discussion leaders : Nozomu Mori & Inhee Mook Jung

16:00-16:20  Nozomu Mori (Nagasaki University, Japan)
Toward Unveiling the Oxidative Stress Targets in the Aged Brain

16:20-16:40  Inhee Mook Jung (Seoul National University, Korea)
The role of mitochondria in Alzheimer's disease pathogenesis

16:40-17:00  Michiru Sugawa (Charité-Universitätsmedizin Berlin, Germany)
Brain area specific ageing

17:00-17:20  Takeshi Tabira (Juntendo University, Japan)
Urine homocysteic acid levels correlate with minimental state examination (MMSE) scores in Alzheimer's disease

17:20-17:40  Makoto Yoneda (University of Fukui, Japan)
PET Imaging of Oxidative Stress in Neurodegenerative Diseases using $^{62}$Cu-ATSM

17:40-18:00  Takuya Chiba (University of Waseda, Japan)
CRISP: a mouse platform for anti-Aging drug screening

18:00-19:20  Dinner (Hotel Fukuoka Garden Palace)
Session 2	System aging, disorders, and interventions
(Room 401-403)

Discussion leaders: Jae Yong Lee & Mitsuo Maruyama

19:20-19:40	Jang Soo Chun (School of Life Sciences, Gwangjoo Institute of Science and Technology, Korea)
Hypoxia-inducible factor (HIF)-2a (alpha) regulation of degenerative joint arthritis

19:40-20:00	Mitsuo Maruyama (National Institute of Longevity Science, Japan)
Putative role of age-related novel GEF, ZizimÎn2 in immune system

20:00-20:20	Jae Yong Lee (Hallym University, Korea)
Regulation of FOXO3a as a mediator of DNA damage signal

20:20-20:40	Guangyan Cai (Beijing 301 Hospital, China)
Cellular Senescence in the Aging Kidney
August 25 (Sat)

7:00-9:00         Breakfast and business meeting

Session 3         Mitochondria and aging (Room 401-403)

Discussion leaders: Eun Seong Hwang & Takeshi Ikejima

9:10-9:40         Norbert A. Dencher (Physikalische Biochemie, Fachbereich Chemie Technische Universität Darmstadt, Germany)

Effect of calorie restriction on mitochondria of the heart and the brain

9:40-10:00        Takeshi Ikejima (Shenyang Pharmaceutical University, Japan)

Pseudolaric acid B induces mitotic catastrophe, and superoxide mediates a positive feedback loop between mitochondrial dysfunction and mitophagy which contributes to senescence in murine fibrosarcoma L929 cells

10:00-10:20       Seung Jae Lee (Postech, Korea)

Mechanisms by which mitochondrial respiration influences lifespan in C. elegans

10:20-10:40       Eun Seong Hwang (University of Seoul, Korea)

Nicotinamide-mediated alteration in mitochondria physiology may exert beneficial effects on cellular functions

10:40-11:00       Coffee break
Session 4  Epigenetics of aging
Discussion leaders: Zhongjun Zhou & Isao Shimokawa

11:00-11:30  Sang Chul Park (Lee Gil Ya Cancer and Diabetes Institute, Korea)
Nongenetic induction mechanism for restoration of senescent phenotype by extracellular matrix

11:30-11:50  Zhongjun Zhou (The University of Hong Kong, China/Hong Kong)
Epigenetic regulation of Aging

11:50-12:10  Yoshiyuki Horio (Sapporo Medical University, Japan)
Function of SIRT1 in health and disease

12:10-12:30  Baohua LIU (The University of Hong Kong, China)
Sirt1, end of the story in aging?

12:30-13:55  Lunch & poster (Room 401-403)

13:55  Zhongjun Zhou
Announcement of future plans of AAAR

Session 5  Cellular aging: Oxidative stress and telomere biology
Discussion leaders: Songyang Zhou & Masashi Tanaka

14:00-14:30  Yau-Huei Wei (National Yang-Ming University, Taiwan)
Oxidative stress response mediated by AMPK activation in human cells harboring mitochondrial DNA mutations associated with aging and mitochondrial diseases
14:30-14:50  Takamasa Ishii (Tokai University, Japan)
The mev-1 models with an excess mitochondrial ROS for aging research

14:50-15:10  Songyang ZHOU (Sun Yat-Sen University, China)
Telomere signaling networks in mammalian cells

15:10-15:30  Jun-Ping Liu (Hangzhou Normal University, China)
Regulations of telomerase activity and cell aging

15:30-15:50  Jin-qiu Zhou (Shanghai Institute of Biological Sciences, China)
The histone modification mark(s) in telomere heterochromation in budding yeast

15:50-16:10  Coffee break

Session 6  System biology and gene expression of aging
Discussion leaders : Gyesoon Yoon & Jing-Dong Jackie Han

16:10-16:30  Jing-Dong Jackie Han (CAS-Max Planck Partner Institute for Computational Biology, China)
In search of the regulatory network of aging

16:30-16:50  Masashi Tanaka (Tokyo Metropolitan Institute of Gerontology, Japan)
Exome analysis of senescence-accelerated mice (SAM) reveals distinct mutations in disease-associated genes

16:50-17:10  Jun Gu (Peking University, China)
Senescence inflammation : A matter of the balance in gene expression
17:10-17:30  Gyesoon Yoon (Ajou University, Korea)
A time-series analysis of gene expression profiles in the process of replicative senescence

17:30-17:50  Cheol-Koo Lee (Korea University, Korea)
Longevity profile in transcriptome date of budding yeast

17:50-18:10  Jian ZHAO (Shanghai Institute of Biochemistry and Cell Biology, SIBS, CAS, China)
Functional links between cell reprogramming and aging

18:10  Nozomu Mori & Eun Seong Hwang
Closing remarks

19:00-21:00  Dinner & Discussion

August 26 (Sun)

7:00-10:00  Breakfast & Free discussion
Departure