第 37 回日本基礎老化学会大会
プログラム

6 月 26 日（木）

The 37th Annual Meeting of
the Japan Society for Biomedical Gerontology

PROGRAM

26 June (Thu)

第 37 回　日本基礎老化学会プログラム

演題番号末尾に「/ Y」とある発表が、若手奨励賞対象演題

6 月 26 日（木）/ 26 June（Thu）

9：00　開会挨拶　丸山　光生（国立長寿医療研究センター 研究所）

会場：健康科学館　ヘルスサイエンスシアター

9：10 ～ 11：50　Symposium Session Ⅰ ～ Cellular Senescence and Aging ～

Venue：Health Science Theater, Health Education Wing

Chairpersons: Dr. Yoji Mitsui（Tokushima Bunri University）
Dr. Sataro Goto（Juntendo University）

1. S-I-1　Chromatin dynamics during DNA damage
– consequences for repair and nuclear integrity
Dr. Philipp Oberdörffer
（National Cancer Insitute Bethesda, USA）
2. S-I-2　The roles and mechanisms of cellular senescence
Dr. Eiji Hara
（The Cancer Institute of Japanese Foundation for Cancer Research, Japan）

10：30 ～ 10：40　Break

3. S-I-3　Molecular mechanism of cellular senescence
Dr. Fabrizio d'Adda di Fagagna
（The FIRC Institute of Molecular Oncology Foundation, Milan, Italy）
4. S-I-4　Molecular mechanisms underlying induction of cellular senescence
Dr. Makoto Nakanishi
（Nagoya city university, Japan）

11：50 ～ 12：00　Break

12：00 ～ 13：00　ランチョンセミナー I-A

協賛：住友ベークライト株式会社

会場：健康科学館　ヘルスサイエンスシアター

I- A　医学・生物学研究における糖鎖解析の重要性

講師：岡島　徹也　先生
（名古屋大学大学院 医学系研究科　准教授）

座長：古川　鋼一　先生
（名古屋大学大学院 医学系研究科　教授）

12：00 ～ 13：00　ランチョンセミナー I-B

協賛：雪印メグミルク株式会社

会場：健康科学館　健康学習室２・３

I-B　Lactbacillus gasseri STB2055 による線虫の寿命延長効果とその作用機序の解明

講師：宮崎　忠昭　先生

（北海道大学　遺伝子病制御研究所　特任教授）

座長：丸山　光生　先生

（国立長寿医療研究センター　研究所　部長）

13：00 ～ 15：00　口頭発表A　～代謝と老年疾患～ /Metabolism and Geriatric disease

会場：健康科学館　ヘルスサイエンスシアター

座長：山下　　均（中部大学　生命健康科学部）

林　登志雄（名古屋大学大学院 医学系研究科）

1. A-12-O/P/Y

Neuropeptide Y deficiency enhances lipolysis and attenuatesage-related changes of fat metabolism

○ PARK Seongjoon, FUJISHITA Chika, KOMATSU Toshimitsu, KIM Sang Eun, KAWATA Takuya, MORI Ryoichi, SHIMOKAWA Isao

Department of Investigative Pathology, Nagasaki University

2. A-02-O/P

Evodiamine stimulates AMPK signaling and improves insulin resistance in adipocytes

○ YAMASHITA Hitoshi[1], YAMASHITA Yukari[1], TAKEUCHI Tamaki[1], TSUTSUMIUCHI Kaname[2], HIRANO Shogo[2], KUSUDO Tatsuya[1]

Department of Biomedical Sciences, College of Life and Health Sciences[1], Department of Biological Chemistry, College of Bioscience and Biotechnology[2], Chubu University

3. A-05-O/P/Y

Lipid metabolism in cancer cachexia & caloric restriction in adipose tissue, effects of Rikkunshito

○ MIYAKAWA Ryota[1], SUDO Yuka[1], OTUKA Hiroki[1], GOTO Akihumi[1], KASHIWASE Yohei[1,2], TERAWAKI Kiyoshi[2], UEZONO Yasuhito[2], HIGAMI Yoshikazu[1]

Molecular pathology & Metabolic Disease, Faculty of Pharmaceutical Sciences, Tokyo University of Science[1], Cancer Pathophysiology Division, National Cancer Center Research Institute[2]

4. A-01-O/P/Y

GADD34 works to suppress obesity-induced metabolic diseases including type 2 diabetes and NASH.

○ NISHIO Naomi, ITO Sachiko, YANAKA Yuriko, ISOBE Ken-ichi

Department of Immunology, Nagoya University School of Medicine

5. A-14-O/P/Y

The effect of Amino Acids on the Progression of Atherosclerosis and Aging. 3rd report. Animal Study

○ INA Kouichiro, HAYASHI Toshio, YAMAGUCHI Tomoe, MAEDA Morihiko, KUZUYA Masafumi

Department of Geriatrics, Nagoya University Graduate School of Medicine

6. A-16-O/P/Y

Basic research of sex-specific aging in skeletal muscle

○ KITAJIMA Yuriko[1,2], MASUDA Shinya[2], ONO Yusuke[2]

Department of Reproductive Pathophysiology Nagasaki University Graduate School of Biomedical Sciences[1], Department of Stem Cell Biology, Atomic Bomb Disease Institute, Nagasaki University[2]

7. A-08-O/P

Search for biomarkers that reflect mitochondrial dysfunction

○ FUJITA Yasunori[1], ITO Masafumi[1], KOJIMA Toshio[2], YATSUGA Shuich[3], KOGA Yasutoshi[3], TANAKA Masashi[4]

Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology（TMIG）[1], Research Center for

Physical Fitness, Sports and Health, Toyohashi University of Technology[2], Department of Pediatrics and Child Health, Kurume University School of Medicine[3], Department of Genomics for Longevity and Health,TMIG[4]

8. A-13-O/P

Metabolomic approach for human blood

○KONDOH Hiroshi

Department of Geriatric Medicine, Kyoto University. hospital

15：00～15：10　休憩

15：10～17：00　口頭発表Ｂ　～神経の老化と疾患～ /Neurodegenerative disease and Aging

会場：健康科学館　ヘルスサイエンスシアター

座長：遠藤　省吾（東京都健康長寿医療センター研究所）
清水　孝彦（千葉大学大学院 医学研究科）

1. B-01-O/P/Y

Phosphodiesterase 3 inhibitor cilostazol improves conditioned fear in SAM-P8 mice

○YANAI Shuichi, KOJIMA Kai, ARASAKI Tomoko, ENDO Shogo

Aging Neuroscience Research Team, Tokyo Metropolitan Institute of Gerontology

2. B-11-O/P

Brain cytokine change associated with enhanced bone marrow cell recruitment to the brain in SAM mice

○ISHII Sanae[1,2], IKEHARA Susumu[3], INABA Muneo[4], LI Ming[3], SHI Ming[3], SHIMADA Atsuyoshi[1,5]

Department of Pathology, Institute for Developmental Research, Aichi Human Service Center[1], Research Fellow of the Japan Society for the Promotion of Science[2], Department of Stem Cell Disorders, Kansai Medical University[3], First Department of Internal Medicine, Kansai Medical University[4], Department of Pathology and Laboratory Medicine, Central Hospital, Aichi Human Service Center[5]

3. B-15-O/P

Analyses on the use of oxidative eustress for potential Alzheimer's therapy

○YOSHIIKE Yuji[1], TSUDA Leo[2], YAMASAKI Yasutoyo[3], OMATA Yasuhiro[6], SUGIMOTO Masataka[4], HASHIMOTO Michihiro[4], TAKASHIMA Akihiko[5], SHEIK MOHIDEEN Sahabudeen[1]

Alzheimer's Disease Project Team[1], Animal Model of Aging Project Team[2], Department of Drug Discovery[3], Cell Biology Project Team[4], Department of Aging Neurobiology[5], National Center for Geriatrics and Gerontology; Nagoya University Graduate School of Medicine, Department of Occupational and Environmental Health[6]

4. B-09-O/P

The role of small GTPases in the neuronal death induced by Cas/HEF1 associated signal transducer

○GOMI Fujiya, UCHIDA Yoko

Molecular Neurobiology, Tokyo Metropolitan Institute of Gerontology

5. B-08-O/P

Age-dependent brain functional changes with mitochondrial oxidative stress

○ISHII Takamasa[1], TAKANASHI Yumi[1], YANAGIHARA Rintaro[1], YASUDA Kayo[2], ISHII Naoaki[1]

Department of Molecular Life Science, Tokai University School of Medicine[1], Education and Research Support Center, Tokai University[2]

6. B-13-O/P

The effect of aging in Alzheimer disease formation

○TSUDA Leo, OMATA Masahiro, YAMASAKI Yasutoyo, LIM Young-mi

Animal Models of Aging Project Team, CAMD, National Center for Geriatrics and Gerontology

7. B-14-O/P/Y

Dynein dysfunction disrupts bidirectional vesicle transport and synaptic vesicle docking via

endocytic disturbance

○KIMURA Nobuyuki[1], OKABAYASHI Sachi[2], ONO Fumiko[3]

Section of Cell Biology and Pathology, Department of Alzheimer's Disease Research, Center for Development of Advanced Medicine for Dementia, National Center for Geriatrics and Gerontology[1], Laboratory of Disease Control, Tsukuba Primate Research Center, National Institute of Biomedical Innovation[2] , The Corporation for Production and Research of Laboratory Primates[3]

17：00 ～ 18：00　ポスター発表 A

会場：健康科学館　展示ギャラリー

～演題番号が奇数の質疑応答をお願いします～

1. A-01-O/P/Y

GADD34 works to suppress obesity-induced metabolic diseases including type 2 diabetes and NASH.

○NISHIO Naomi, ITO Sachiko, YANAKA Yuriko, ISOBE Ken-ichi

Department of Immunology, Nagoya University School of Medicine

2. A-03-P

GADD34 inhibits activation-induced apoptosis of macrophages through enhancement of autophagy

○ITO Sachiko, TANAKA Yuriko, THANASEGARAN Suganaya, OSHINO Reina, NISHIO Naomi, ISOBE Ken-ichi,

Department of Immunology, Nagoya University Graduate School of Medicine

3. A-05-O/P/Y

Lipid metabolism in cancer cachexia & caloric restriction in adipose tissue, effects of Rikkunshito

○MIYAKAWA Ryota[1], SUDO Yuka[1], OTUKA Hiroki[1], GOTO Akihumi[1], KASHIWASE Yohei[1,2], TERAWAKI Kiyoshi[2], UEZONO Yasuhito[2], HIGAMI Yoshikazu[1]

Molecular pathology & Metabolic Disease, Faculty of Pharmaceutical Sciences, Tokyo University of Science[1], Cancer Pathophysiology Division, National Cancer Center Research Institute[2]

4. A-07-P

Exogenous administration of coenzyme Q10 restores mitochondrial function in the aged mouse brain

○TAKAHASHI Mayumi, OHSAWA Ikuroh, TAKAHASHI Kazuhide

Biological Process of Aging, Tokyo Metropolitan Institute of Gerontology

5. A-09-P

Ubiquinol-10 Activates Mitochondria Functions and Decelerate Senescence in SAMP1 mice

○ HIGUCHI Keiichi[1], TIAN Geng[1], XU Zhe[1], KUBO Hiroshi[2], NISHIO Shin-ya[3], LI Lin[1], SUZUKI Nobuyoshi[3], HOSOE Kazunori[4], USAMI Shin-ichi[3], SAWASHITA Jinko[1]

Department of Aging Biology, Institute of Pathogenesis and Disease Prevention, Shinshu University Graduate School of Medicine[1], Frontier Biochemical & Medical Research Laboratories, Kaneka Corporation[2], Department of Otorhinolaryngology, Shinshu University School of Medicine[3], QOL Division, Kaneka Corporation[4]

6. A-11-P/Y

Proteomic analysis of human erythrocyte proteins from individuals with diabetes

○ TSUMOTO Hiroki[1], IWAMOTO Machiko[1], CHIBA Yuko[2], AKIMOTO Yoshihiro[3], MORISAWA Hiraku[1], ENDO Tamao[1], MIURA Yuri[1]

Tokyo Metropolitan Institute of Gerontology[1], Tokyo Metropolitan Geriatric Hospital[2], Kyorin University School of Medicine[3]

7. A-13-O/P

Metabolomic approach for human blood

○KONDOH Hiroshi

Department of Geriatric Medicine, Kyoto University. Hospital

8. A-15-P/Y

The effect of Amino Acids on the Progression of Atherosclerosis and Aging. 2nd report using siRNA

○INA Koicihiro, HAYASHI Toshio, YAMAGUCHI Tomoe, MAEDA Morihiko, KUZUYA Masafumi
Department of Geriatrics, Nagoya University Graduate School of Medicine

9. A-17-P/Y

Metabolism of skin-absorbed resveratrol in mouse.

○MURAKAMI Itsuo, CHALECKIS Romanas, ITO Ken, KONDOH Hiroshi
Department of Geriatric Medicine, Graduate School of Medicine, Kyoto University

10. B-01-O/P/Y

Phosphodiesterase 3 inhibitor cilostazol improves conditioned fear in SAM-P8 mice

○YANAI Shuichi, KOJIMA Kai, ARASAKI Tomoko, ENDO Shogo,
Aging Neuroscience Research Team, Tokyo Metropolitan Institute of Gerontology

11. B-03-P

Effect of acupuncture-like stimulation on cortical cerebral blood flow in aged rats

○UCHIDA Sae[1], WATANABE Saori[2], MISAWA Hidemi[2], KAGITANI Fusako[1]
Department of Autonomic Neuroscience, Tokyo Metropolitan Institute of Gerontology[1], Department of Pharmacology, Keio University, Faculty of Pharmacy[2]

12. B-05-P/Y

Characterization of Amyloid-β Degrading Activity in Human Serum

○ MIKAWA Ryuta[1,3], OKUNO Alato[1], TAKAYANAGI Akiko[1], OKADA Ken[2], YOSHIMI Tatsuya[2], TAKIKAWA Osamu[1,2]
Laboratory of Radiation Safety, Research Institute, National Center for Geriatrics and Gerontology[1], Laboratory of Drug Screening, Department of Drug Discovery, Center for Development of Advanced Medicine for Dementia[2], Laboratory of Aging Research, Program in Integrated Medicine, Graduate School of Medicine, Nagoya University[3]

13. B-07-P

Prevention of cognitive decline due to psychosocial stress

○UNNO Keiko[1], SUMIYOSHI Akira[2], NONAKA Hiroi[2], KONISHI Tomokazu[3], HARA Ayane[1], NAKAGAWA Aimi[1], IGUCHI Kazuaki[1], TAKEDA Atsushi[1], KAWASHIMA Rhuta[2], HAYASHI Michiko[4], NAKAMURA Noriyuki[4]
School of Pharmaceutical Sciences, University of Shizuoka[1], Institute of Development, Aging and Cancer, Tohoku University[2], Basic Life Science Research Group, Akita Prefectural University[3], Tea Science Center, University of Shizuoka[4]

14. B-09-O/P

The role of small GTPases in the neuronal death induced by Cas/HEF1 associated signal transducer

○GOMI Fujiya, UCHIDA Yoko
Molecular Neurobiology, Tokyo Metropolitan Institute of Gerontology

15. B-11-O/P

Brain cytokine change associated with enhanced bone marrow cell recruitment to the brain in SAM mice

○ISHII Sanae[1,2], IKEHARA Susumu[3], INABA Muneo[4], LI Ming[3], SHI Ming[3], SHIMADA Atsuyoshi[1,5]
Department of Pathology, Institute for Developmental Research, Aichi Human Service Center[1], Research Fellow of the Japan Society for the Promotion of Science[2], Department of Stem Cell Disorders, Kansai Medical University[3], First Department of Internal Medicine, Kansai Medical University[4], Department of Pathology and Laboratory Medicine, Central Hospital, Aichi Human Service Center[5]

16. B-13-O/P

The effect of aging in Alzheimer disease formation

○TSUDA Leo, OMATA Masahiro, YAMASAKI Yasutoyo, LIM Young-mi

Animal Models of Aging Project Team, CAMD, National Center for Geriatrics and Gerontology

17. B-15-O/P

Analyses on the use of oxidative eustress for potential Alzheimer's therapy

○YOSHIIKE Yuji[1], TSUDA Leo[2], YAMASAKI Yasutoyo[3], OMATA Yasuhiro[6], SUGIMOTO Masataka[4], HASHIMOTO Michihiro[4], TAKASHIMA Akihiko[5], SHEIK MOHIDEEN Sahabudeen[1]

Alzheimer's Disease Project Team[1], Animal Model of Aging Project Team[2], Department of Drug Discovery[3], Cell Biology Project Team[4], Department of Aging Neurobiology[5], National Center for Geriatrics and Gerontology; Nagoya University Graduate School of Medicine, Department of Occupational and Environmental Health[6]

18. C-01-O/P/Y

Murine model of age-related COPD and lung defense system

○YANG Sun, ITO Sachiko, CHEN Nana, TANAKA Yuriko, LIU Lintao, NISHIO Naomi, ISOBE Ken-ichi

Department of Immunology, Nagoya University School of Medicine

19. C-03-P/Y

Effects of GADD34 to TLR signaling

○TANAKA Yuriko, ITO Sachiko, OSHINO Reina, NISHIO Naomi, ISOBE Ken-ichi

Department of Immunology, Nagoya University Graduate School of Medicine

20. C-05-P

Molecular mechanism of cellular senescence and transformation- regulation by CARF

○WADHWA Renu, KALRA Rajkumar, KAUL Sunil

National Institute of Advanced Industrial Science and Technology

21. C-07-P/Y

Analysis of the glycan profile change leading to senescence indicator

○ITAKURA Yoko, TOYODA Masashi

Research Team for Geriatric Medicine, Tokyo Metropolitan Institute of Gerontology

22. C-09-O/P/Y

Implication of a cellular senescence-related gene, TARSH in cell proliferation and cancer metastasis

○IWASHITA Yuji[1], HARADA Tanenobu[1], MATSUDA Takenori[1], SUGIMOTO Masataka[2], MARUYAMA Mitsuo[1],

Department of Mechanism of Aging[1], and Cell Biology Project Team[2], Research Institute, National Center for Geriatrics and Gerontology

23. C-11-O/P/Y

SIRT1 epigenetically regulates Senescence-associated secretory phenotype during cellular senescence

○HAYAKAWA Tomohisa, IWAI Mika, AOKI Satoshi, MARUYAMA Wakako, MOTOYAMA Noboru

Department of Cognitive Brain Science, Research Institute, National Center for Geriatrics and Gerontology

24. C-13-P/Y

Histological analysis of SMP30 in mouse liver during aging

○MASUTOMI Hirofumi[1,2], SHIMOKAGO Kentaro[2], MARUYAMA Naoki[1], ISHIGAMI Akihito[1]

Molecular Regulation of Aging, Tokyo Metropolitan Institute of Gerontology[1], Geriatrics and Vascular Medicine, Tokyo Medical and Dental University [2]

25. C-15-O/P

RASSF6 tumor suppressor regulates apoptosis and cell cycle via MDM2 and p53.

○IWASA Hiroaki[1], KUDO Takumi[2], MAIMAITI Sainawaer[3], IKEDA Mitsunobu[1], NAKAGAWA Kentaro[1], MARUYAMA Junichi[1], HATA Yutaka[1]

Department of Medical Biochemistry, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University[1], Department of Functional Neurosurgery, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University [2], Department of Psychotherapy, The Fourth People's Hospital of Urumqi[3]

26. D-01-P

Biological meanings of healthspan from survival analyses on a human-aging cohort

○SUDA Hitoshi

Life Sciences, Course of Biosciences, Tokai University

27. D-03-P/Y

Effect of Lactobacillus gasseri SBT2055 on longevity and the mechanisms in Caenorhabditis elegans

○NAKAGAWA Hisako[1], HOSOYA Tomohiro[2], MORIYA Tomohiro[2], SAKAI Fumihiko[2], NAKAYAMA Yosuke[1], TARU Hidenori[3], MIYAZAKI Tadaaki[1]

Department of Probiotics Immunology, Institute for Genetic Medicine, Hokkaido University[1], Milk Science Research Institute, Megmilk Snow Brand Co., Ltd[2], Laboratory of Neuronal Cell Biology, Graduate School of Pharmaceutical Sciences, Hokkaido University[3]

28. D-05-O/P

Cytoskeletal rearrangement by SIRT1 in podocytes

○INAGI Reiko[1], MOTONISHI Shuta[2], NANGAKU Masaomi[2]

Division of Chronic Kidney Disease Pathophysiology[1] and Division of Nephrology and Endocrinology[2], The University of Tokyo Graduate School of Medicine

29. D-07-P

Telomere length of iPS cells measured by Q-FISH method

○NAKAMURA Kenichi[1], HIROSE Nobuyuki[2], SHIMOMURA Naotaka[1], AIDA Junko[1], ISHIKAWA Naoshi[1], TAKUBO Kaiyo[1]

Research Team for Geriatric Pathology, Tokyo Metropolitan Institute of Gerontology[1], Geriatric Medicine, Department of Internal medicine, Keio University[2]

30. D-09-O/P

Glycoproteomics of plasma proteins in Japanese semisuper centenarians

○MIURA Yuri[1], OHTA Yuki[2], TAKAKURA Daisuke[2], HASHII Noritaka[2], ARAI Yasumichi[3], TSUMOTO Hiroki[1], KAWASAKI Nana[2], HIROSE Nobuyoshi[3], ENDO Tamao[1]

Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology[1], Division of Biological Chemistry and Biologicals, National Institute of Health Sciences[2], School of Medicine, Keio University[3]

31. D-11-P

A possible involvement of regeneration and 5hmC in age-related hypomethylation of the zebrafish genome

○SHIMODA Nobuyoshi[1], HIROSE Kentaro[2], KIKUCHI Yutaka[2], HASHIMOTO Naohiro[1]

Department of Regenerative Medicine, National Institute for Longevity Sciences, National Center for Geriatrics and Gerontology[1], Department of Biology, Hiroshima University[2]

32. D-13-P/Y

Analysis of aging factor in Xenopus early development

○OHATA Yoshihisa[1], KURODA Hiroki[2], CHIBA Takuya[3]

Graduate School of Science and Technology, Shizuoka University, Biomedical Gerontology Laboratory, School of Human Sciences, Waseda University[1], Faculty of Enviroment and Information Studies, Keio University[2], Biomedical Gerontology Laboratory Faculty of Human Sciences Waseda University[3]

33. D-15-P

Production of SPF aging mouse model

○OGISO Noboru[1], TAKANO Satomi[1], MUGURUMA Kaori[1], YAMAGUCHI Kazumichi[2], HAYAKAWA Tomoko[3], MARUYAMA Mitsuo[3]

Laboratory of Research Animal, National Center for Geriatrics and Gerontology[1], KAC Corporation[2], Department of Mechanism of Aging, Research Institute, National Center for Geriatrics and Gerontology[3]

第 37 回日本基礎老化学会大会
プログラム

6 月 27 日（金）

The 37th Annual Meeting of
the Japan Society for Biomedical Gerontology

PROGRAM

27 June (Fri)

演題番号末尾に「/ Y」とある発表が、若手奨励賞対象演題

6月27日（金）/ 27 June (Fri)

9：00 ～ 10：30　口頭発表 C　～ストレスと細胞老化～ / Cellular senescence and Stress

会場：健康科学館　ヘルスサイエンスシアター

座長：杉本　昌隆（国立長寿医療研究センター研究所）
磯辺　健一（名古屋大学大学院 医学研究科）

1. C-01-O/P/Y
Murine model of age-related COPD and lung defense system.
○YANG Sun, ITO Sachiko, CHEN Nana, TANAKA Yuriko, LIU Lintao, NISHIO Naomi, ISOBE Ken-ichi
Department of Immunology, Nagoya University School of Medicine

2. C-16-O/P/Y
Senescence-inducing stress promotes proteolysis of phosphoglycerate mutase via ubiquitin ligase Mdm2
○MIKAWA Takumi, KONDOH Hiroshi
Department of Geriatric Medicine, Graduate School of Medicine, Kyoto University

3. C-08-O/P
Characterization of the 5'-flanking region of the human *TP53* gene and its response to Resveratrol
○UCHIUMI Fumiaki[1], SHOJI Koichiro[1], TANUMA Sei-ichi[2]
Department of Gene Regulation[1], Department of Biochemistry & Molecular Biology[2], Faculty of Pharmaceutical Sciences, Tokyo University of Science

4. C-09-O/P/Y
Implication of a cellular senescence-related gene, TARSH in cell proliferation and cancer metastasis
○IWASHITA Yuji[1], HARADA Tanenobu[1], MATSUDA Takenori[1], SUGIMOTO Masataka[2], MARUYAMA Mitsuo[1]
Department of Mechanism of Aging[1], and Cell Biology Project Team[2], Research Institute, National Center for Geriatrics and Gerontology

5. C-11-O/P/Y
SIRT1 epigenetically regulates Senescence-associated secretory phenotype during cellular senescence.
○HAYAKAWA Tomohisa, IWAI Mika, AOKI Satoshi, MARUYAMA Wakako, MOTOYAMA Noboru
Department of Cognitive Brain Science, Research Institute, National Center for Geriatrics and Gerontology

6. C-15-O/P
RASSF6 tumor suppressor regulates apoptosis and cell cycle via MDM2 and p53
○IWASA Hiroaki[1], KUDO Takumi[2], MAIMAITI Sainawaer[3], IKEDA Mitsunobu[1], NAKAGAWA Kentaro[1], MARUYAMA Junichi[1], HATA Yutaka[1]
Department of Medical Biochemistry, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University[1], Department of Functional Neurosurgery, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University[2], Department of Psychotherapy, The Fourth People's Hospital of Urumqi[3]

10：30 ～ 10：40　Break

10：40 ～ 11：40　口頭発表 D　～老化疾患モデル生物～ / Geriatric model organism

会場：健康科学館　ヘルスサイエンスシアター

座長：本山　　昇（国立長寿医療研究センター研究所）
石井　恭正（東海大学医学部）

1. D-06-O/P/Y

Zizimin2/Dock11 promotes marginal zone B cell development

○ MATSUDA Takenori[1], YANASE Shougo[1], IWASHITA Yuji[1], HAYAKAWA Tomoko[1], MATSUI Naomi[1], CASOLA Stefano[2], MARUYAMA Mitsuo[1]

Department of Mechanism of Aging, Research Institute, National Center for Geriatrics and Gerontology[1] IFOM Foundation, Milan, Italy[2]

2. D-10-O/P

Ablation of senescent cells ameliorates age-associated pulmonary hypofunction Age-related changes of α -tocopherol in various tissues from mice

○ SUGIMOTO Masataka, HASHIMOTO Michihiro, ASAI Azusa

Cell Biology Project Team, Research Institute, National Center for Geriatrics and Gerontology

3. D-05-O/P

Cytoskeletal rearrangement by SIRT1 in podocytes

○ INAGI Reiko[1], MOTONISHI Shuta[2], NANGAKU Masaomi[2]

Division of Chronic Kidney Disease Pathophysiology[1] and Division of Nephrology and Endocrinology[2], The University of Tokyo Graduate School of Medicine

4. D-09-O/P

Glycoproteomics of plasma proteins in Japanese semisuper centenarians

○ MIURA Yuri[1], OHTA Yuki[2], TAKAKURA Daisuke[2], HASHII Noritaka[2], ARAI Yasumichi[3], TSUMOTO Hiroki[1], KAWASAKI Nana[2], HIROSE Nobuyoshi[3], ENDO Tamao[1]

Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology[1], Division of Biological Chemistry and Biologicals, National Institute of Health Sciences[2], School of Medicine, Keio University[3]

11：50 ～ 12：50　ランチョンセミナー **II**-A

協賛：アボットジャパン株式会社
会場：健康科学館　ヘルスサイエンスシアター

II- A　サルコペニアにおける栄養の重要性

講師：葛谷　雅文 先生
（名古屋大学大学院医学系研究科　　教授）
座長：丸山　光生 先生
（国立長寿医療研究センター　研究所　部長）

11：50 ～ 12：50　ランチョンセミナー **II**-B

協賛：中部科学資材株式会社
会場：健康科学館　健康学習室２・３

II-B 慢性痛が天気の影響を受けるメカニズム

講師：佐藤　　純 先生
（名古屋大学動物実験支援センター　東山動物実験施設長）
座長：小木曽　昇 先生
（国立長寿医療研究センター　研究所　室長）

12：50 ～ 13：50　ポスター発表 B

会場：健康科学館　展示ギャラリー

～演題番号が偶数の質疑応答をお願いします～

1. A-02-O/P

Evodiamine stimulates AMPK signaling and improves insulin resistance in adipocytes

○YAMASHITA Hitoshi[1], YAMASHITA Yukari[1], TAKEUCHI Tamaki[1], TSUTSUMIUCHI Kaname[2], HIRANO Shogo[2], KUSUDO Tatsuya[1]

Department of Biomedical Sciences, College of Life and Health Sciences[1] and Department of Biological Chemistry, College of Bioscience and Biotechnology[2], Chubu University

2. A-04-P/Y

Inhibition of autophagy by fatty acids in hepatocytes.

○NEGISHI Arisa, MIZUNOE Yuhei, SUTO Yuka, HIGAMI Yoshikazu

Molecular pathology and Metabolic Disease, Faculty of Pharmaceutical Sciences, Tokyo University of Science

3. A-06-P/Y

Elevated oxidative stress in OLETF (type 2 diabetes model) rat liver

○TSUZUKI Takamasa[1], NAKAMOTO Hideko[2], KOBAYASHI Hiroyuki[3], GOTO Sataro[2], NAITO Hisashi[1,2]

Graduate School of Health and Sports Science, Juntendo University[1], Institute of Health and Sports Science & Medicine, Juntendo University[2], Mito Medical Center, Tsukuba University Hospital[3]

4. A-08-O/P

Search for biomarkers that reflect mitochondrial dysfunction

○FUJITA Yasunori[1], ITO Masafumi[1], KOJIMA Toshio[2], YATSUGA Shuich[3], KOGA Yasutoshi[3], TANAKA Masashi[4]

Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology（TMIG）[1], Research Center for Physical Fitness, Sports and Health, Toyohashi University of Technology[2], Department of Pediatrics and Child Health, Kurume University School of Medicine[3], Department of Genomics for Longevity and Health,TMIG[4]

5. A-10-P/Y

Fiber specific studies in muscle atrophy with aging mice

○FUKUNAGA Daichi[1], MORI Shuuichi[1], HIGAMI Kaichi[2], SHIGEMOTO Kazuhiro[1]

Research Team for Geriatric Medicine, Tokyo Metropolitan Institute of Gerontology[1], Molecular Pathology & Metabolic Diseases, Faculty of Pharmaceutical Sciences, Tokyo University of Science[2]

6. A-12-O/P/Y

Neuropeptide Y deficiency enhances lipolysis and attenuates age-related changes of fat metabolism.

○ PARK Seongjoon, FUJISHITA Chika, KOMATSU Toshimitsu, KIM Sang Eun, KAWATA Takuya, MORI Ryoichi, SHIMOKAWA Isao

Department of Investigative Pathology, Nagasaki University

7. A-14-O/P/Y

The effect of Amino Acids on the Progression of Atherosclerosis and Aging. 3rd report. Animal Study

○INA Koicihiro, HAYASHI Toshio, YAMAGUCHI Tomoe, MAEDA Morihiko, KUZUYA Masafumi

Department of Geriatrics, Nagoya University Graduate School of Medicine

8. A-16-O/P/Y

Basic research of sex-specific aging in skeletal muscle

○KITAJIMA Yuriko[1,2], MASUDA Shinya[2], ONO Yusuke[2]

Department of Reproductive Pathophysiology Nagasaki University Graduate School of Biomedical Sciences[1], Department of Stem Cell Biology, Atomic Bomb Disease Institute, Nagasaki University[2]

9. B-02-P

Metabolic profiling of Alzheimer's disease brain

○ AKATSU Hiroyasu[1], TSUTSUI Haruhito[3], YAMAMOTO Takayuki[2], HASHIZUME Yoshio[2], OHARA Hirotaka[1], TOYO'OKA Toshimasa[3], INOUE Koichi[3]

Department of Community-Based Medical Education, Nagoya City University Graduate School of Medical Sciences[1], Choju Medical Institute, Fukushimura Hospital[2], Laboratory of Analytical and Bio-Analytical Chemistry, School of Pharmaceutical Sciences, University of Shizuoka[3]

10. B-04-P/Y

Identification of the “toxic conformer” of amyloid β in Alzheimer's disease

○ IZUO Naotaka[1], MURAKAMI Kazuma[2], KUME Toshiaki[3], AKAIKE Akinori[3], SHIRASAWA Takuji[4], YOKOTE Koutaro[1], IRIE Kazuhiro[2], SHIMIZU Takahiko[1]

Graduate School of Medicine, Chiba University[1], Graduate School of Agriculture[2], Graduate School of Pharmacy[3], Kyoto University, Graduate School of Medicine, Juntendo University[4]

11. B-06-P/Y

Chronic intermittent methamphetamine treatment effects on direct pathway neurons of the striatum.

○ INOUE Ritsuko, MIURA Masami

Neurophysiology, Tokyo Metropolitan Institute of Gerontology

12. B-08-O/P

Age-dependent brain functional changes with mitochondrial oxidative stress

○ ISHII Takamasa[1], TAKANASHI Yumi[1], YANAGIHARA Rintaro[1], YASUDA Kayo[2], ISHII Naoaki[1]

Department of Molecular Life Science, Tokai University School of Medicine[1], Education and Research Support Center, Tokai University

13. B-10-P/Y

Effects of Aging and ROS on Nitric-Oxide Induced Calcium Release in Neuronal Cells

○ KAKIZAWA Sho[1,2], YAMAMOTO Shinichiro[1], ONGA Kazuko[2], MORI Nozomu[2], TAKESHIMA Hiroshi[1]

Department of Biological Chemistry, Graduate School of Pharmaceutical Sciences, Kyoto University[1], Department of Anatomy, Graduate School of Biomedical Sciences, Nagasaki University[2]

14. B-12-P

Proinflammatory cytokine milieu of the brain precedes age-related neurodegeneration in SAMP10 mice

○ SHIMADA Atsuyoshi[1,2], HASEGAWA-ISHII Sanae[2,3], INABA Muneo[4]

Department of Pathology and Laboratory Medicine, Central Hospital, Aichi Human Service Center[1], Department of Pathology, Institute for Developmental Research, Aichi Human Service Center[2], Research Fellow of the Japan Society for the Promotion of Science[3], First Department of Internal Medicine, Kansai Medical University[4]

15. B-14-O/P/Y

Dynein dysfunction disrupts bidirectional vesicle transport and synaptic vesicle docking via endocytic disturbance

○ KIMURA Nobuyuki[1], OKABAYASHI Sachi[2], ONO Fumiko[3]

Section of Cell Biology and Pathology, Department of Alzheimer's Disease Research, Center for Development of Advanced Medicine for Dementia, National Center for Geriatrics and Gerontology[1] , Laboratory of Disease Control, Tsukuba Primate Research Center, National Institute of Biomedical Innovation[2] , The Corporation for Production and Research of Laboratory Primates[3]

16. C-02-P

Murine model experiments of stem cell therapy to age-related infectious diseases

○ CHEN Nana, ITO Sachiko, CHENG Zhao, THANASEGRAN Suganya, YANG Sun, NISHIO Naomi, ISOBE Ken-ichi

Department of Immunology, Nagoya University School of Medicine

17. C-04-P/Y

Re-emergence of iPS like cells from differentiated human cells

○ KAMADA Mizuna, KUMAZAKI Tsutomu, MATSUO Taira, TAKAHASHI Tomoko, MITSUI Youji

Faculty of Pharmaceutical Sciences at Kagawa, Tokushima Bunri University

18. C-06-P

Therapeutic potential of Ashwagandha leaf extracts on age-associated brain pathologies

○ KAUL Sunil, WADHWA Renu

National Institute of Advanced Industrial Science and Technology

19. C-08-O/P

Characterization of the 5'-flanking region of the human *TP53* gene and its response to Resveratrol

○UCHIUMI Fumiaki[1], SHOJI Koichiro[1], TANUMA Sei-ichi[2]

Department of Gene Regulation[1], Department of Biochemistry & Molecular Biology[2], Faculty of Pharmaceutical Sciences, Tokyo University of Science

20. C-10-P

The identification of glycoconjugates related in aging and replicable senescence in human ECs

○SASAKI Norihiko, TOYODA Masashi

Research Team for Geriatric Medicine（Vascular Medicine）, Tokyo Metropolitan Institute of Gerontology

21. C-12-P/Y

Pretreatment with hydrogen molecule suppressed intracellular calcein accumulation

○MURAKAMI Yayoi, NAKANISHI Shigeko, OHSAWA Ikuroh

Biological Process of Aging, Tokyo Metropolitan Institute of Gerontology

22. C-14-P/Y

The role of p16 in the age-related functional decline of the submandibular gland

IIDA Mayu, KATANO Satoshi, KIMURA Hiromi, MARUYAMA Mitsuo, ○YAMAKOSHI Kimi

Department of Mechanism of Aging, Research Institute, National Center for Geriatrics and Gerontology

23. C-16-O/P/Y

Senescence-inducing stress promotes proteolysis of phosphoglycerate mutase via ubiquitin ligase Mdm2

○MIKAWA Takumi, KONDOH Hiroshi

Department of Geriatric Medicine, Graduate School of Medicine, Kyoto University

24. D-02-P

Aging-related acceleration of cardiac fibrosis in tarine transporter knockout mouse

○ITO Takashi, AZUMA Junichi

College of Pharmacy, Hyogo University of Health Sciences

25. D-04-P/Y

Increased expression of the non-sulfated HNK-1 in α -Klotho mouse kidney

○AKASAKA-MANYA Keiko[1], MANYA Hiroshi[1], KIZUKA Yasuhiko[2], OKA Shogo[3], ENDO Tamao[1]

Molecular Glycobiology, Research Team for Mechanism of Aging, Tokyo Metropolitan Institute of Gerontology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology[1], Department of Biological Chemistry, Graduate School of Pharmaceutical Sciences, Kyoto University[2], Department of Biological Chemistry, Human Health Sciences, Graduate School of Medicine, Kyoto University[3]

26. D-06-O/P/Y

Zizimin2/Dock11 promotes marginal zone B cell development

○ MATSUDA Takenori[1], YANASE Shougo[1], IWASHITA Yuji[1], HAYAKAWA Tomoko[1], MATSUI Naomi[1], CASOLA Stefano[2], MARUYAMA Mitsuo[1]

Department of Mechanism of Aging, Research Institute, National Center for Geriatrics and Gerontology [1] IFOM Foundation, Milan, Italy[2]

27. D-08-P

Q-FISH measurement of hepatocyte telomeres in donor & graft after living-donor liver transplantation

○ISHIKAWA Naoshi, IZUMIYAMA-SHIMOMURA Naotaka, AIDA Junko, NAKAMURA Ken-ichi, TAKUBO Kaiyo

Research Team for Geriatric Pathology, Tokyo Metropolitan Institute of Gerontology

28. D-10-O/P

Ablation of senescent cells ameliorates age-associated pulmonary hypofunction Age-related changes of α -tocopherol in various tissues from mice

○SUGIMOTO Masataka, HASHIMOTO Michihiro, ASAI Azusa
Cell Biology Project Team, Research Institute, National Center for Geriatrics and Gerontology

29. D-12-P/Y

Age-related changes of α -tocopherol in various tissues from mice

○TAKAHASHI Keita[1,2], SHIMOKADO Kentaro[2], MARUYAMA Naoki[1], ISHIGAMI Akihito[1]
Molecular Regulation of Aging, Tokyo Metropolitan Institute of Gerontology[1], Geriatrics and Vascular Medicine, Tokyo Medical and Dental University[2]

30. D-14-P

Histopathology and cytokine expression of chronological aging and photoaging of mice model skin

○ SAKURA Masaaki[1,2,3], KAWAMURA Noriko[2], TAKEUCHI Minoru[3], FURUKAWA Ayako[2,4], ENOKIDO Yasushi[2], HOSOKAWA Masanori[2,] CHIBA Yoichi[2,5]
Fundamental Research Laboratory, General Research & Development Institute, Hoyu Co., Ltd.[1], Department of Pathology, Institute for Developmental Research, Aichi Human Service Center[2], Faculty of Life Science, Kyoto Sangyo University[3], Faculty of Pharmaceutical Sciences, Suzuka University of Medical Science[4], Department of Pathology and Host Defense, Faculty of Medicine, Kagawa University[5]

14：00～17：00　Symposium Session Ⅱ ～Cellular Metabolism and Age-Related Diseases～

Venue：Health Science Theater, Health Education Wing

Chairpersons: Dr. Yoshikazu Higami（Tokyo University of Science）
Dr. Isao Shimokawa（Nagasaki University）

1. S-II-1　Ageing: What is it? New insights from C. elegans
Dr. David Gems
(Institute of Healthy Ageing, University College London, England)

2. S-II-2　Role of nutrient sensing pathways in stem cell fate determination
Dr. Atsushi Hirao
(Cancer Research Institute, Kanazawa University, Japan)

15：20～15：30　Break

3. S-II-3　Methylation related to Transcription and Metabolism
Dr. Akiiyoshi Fukamizu
(Life Science Center, TARA, University of Tsukuba, Japan)

4. S-II-4　How much does it take for Purkinje cells to age prematurely?
Dr. I-hsin Su
(School of Biological Sciences, Nanyang Technological University, Singapore)

17：00～18：00　総会

会場：健康科学館　ヘルスサイエンスシアター

Ⅰ．石井　直明理事長　挨拶
Ⅱ．第 37 回日本基礎老化学会大会　丸山　光生大会長　挨拶
Ⅲ．審議・報告事項
Ⅳ．若手奨励賞受賞者発表