

第 1 5 2 回
東 北 大 学 加 齢 医 学 研 究 所

集談会

プログラム

**152nd IDAC Biannual Meeting
Program**



日時：令和元年 7 月 19 日（金曜日）13:00～

場所：加齢医学研究所

スマート・エイジング研究棟 1 階 国際会議室

July 19, 2019, 13:00~ Center for Smart Aging Research 1F, IDAC

共催：東北大学加齢医学研究所

Institute of Development, Aging and Cancer, Tohoku University

東北大学加齢医学研究所研究会同窓会

Society of Institute of Development, Aging and Cancer, Tohoku University

13:00 — Opening remarks Dr. Ryuta Kawashima

13:05 — 13:50 Sessions 1~3 Chair: Shota Endo

1 、 Mind Attribution is a Key Concept for Building Smart Aging Society

Toshiki Saito^{1, 2}, Rui Nouchi^{3, 4}, Kosuke Motoki⁵, Motoaki Sugiura^{4, 6},
Ryuta Kawashima^{1, 4}

¹Department of Functional Brain Imaging, Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan

²Japan Society for Promotion of Science, Tokyo, Japan

³Department of Cognitive Health Science, Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan

⁴Smart Aging Research Center, Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan

⁵Department of Food Management, Miyagi University, Sendai, Japan

⁶Human and Social Response Research Division, International Research Institute of Disaster Science, Tohoku University, Sendai, Japan

2 、 *From virtual to the real!*

Virtual training leads to real cognitive and neural benefits.

Dalila Burin^{1, 2}, Noriki Yamaya¹, Rie Ogitsu¹, Ryuta Kawashima^{1, 2}

¹Smart Aging International Research Center (SAIRC), Tohoku University, 4-1 Seiryochō, Aobaku, Sendai 980-8575, Japan.

²Institute of Development, Aging and Cancer (IDAC), Tohoku University, 4-1 Seiryochō, Aobaku, Sendai 980-8575, Japan.

3 、 Epigenetic effects of prenatal phthalate exposure on testicular germ cells

Yukiko Tando¹, Hitoshi Hiura², Takahiro Arima², Yasuhisa Matsui¹

¹Cell Resource Center for Biomedical Research, Institute of Development, Aging and Cancer (IDAC), Tohoku University.

²Department of Informative Genetics, Environment and Genome Research Center, Tohoku University Graduate School of Medicine.

13:50 — 14:00 Break

14:00 — 14:45 Sessions 4~6 Chair: Fang Zhenzhou

4 、 Role of lymph node stromal cells in immunosuppression during cancer progression

Koyu Ito and Kouetsu Ogasawara

Department of Immunobiology, Institute of Development, Aging and Cancer,
Tohoku University

5 、 BRCA1 is involved in DNA damage-induced centrosome amplification through the centrosomal localization of Aurora A

Huicheng Qi, Megumi Kikuchi, Kazune Ohashi, Zhenzhou Fang, Yuki Yoshino,
Natsuko Chiba

Department of Cancer Biology, Institute of Development, Aging and Cancer,
Tohoku University.

6 、 The *NRXN1* gene SNP (rs858932) is associated with white matter volume and SQ score in healthy adults.

Yuka Shiota¹, Izumi Matsudaira¹, Hikaru Takeuchi³, Chiaki Ono², Hiroaki Tomita²,
Ryuta Kawashima^{3,4}, and Yasuyuki Taki^{1,3,4,5}

¹Department of Nuclear Medicine & Radiology, Institute of Development, Aging, and Cancer,
Tohoku University, Sendai, Japan.

²Department of Disaster Psychiatry, International Research Institute of Disaster Science,
Tohoku University, Sendai, Japan.

³Division of Developmental Cognitive Neuroscience, Institute of Development, Aging, and
Cancer, Tohoku University, Sendai, Japan.

⁴Smart-Aging Research Center, IDAC, Tohoku University, Sendai, Japan.

⁵Tohoku Medical Megabank Organization, Tohoku University, Sendai, Japan.

14:45 – 15:00 *Coffee break*

15:00 – 15:45 Sessions 7~9 Chair: Ryutaro Shirakawa

7 、 A Neural Network Centered on Posteromedial Cortex and Ventromedial Cortex Computes The Value of An Occupation.

Shunsui Matsuura¹, Shinsuke Suzuki^{2,3}, Kosuke Motoki⁴, Shohei Yamazaki¹, Ryuta
Kawashima¹, and Motoaki Sugiura^{1,5}

¹Institute of Development, Aging and Cancer, Tohoku University, Japan

²Brain, Mind and Markets Laboratory, Department of Finance, The University of Melbourne,
Parkville, Australia

³Frontier Research Institute for Interdisciplinary Sciences, Tohoku University, Japan

⁴Department of Food Management, Miyagi University, Japan

⁵International Research Institute of Disaster Science, Tohoku University, Japan

8、Development of the implantable power generation system utilizing muscle contractions by the electrical stimulation

Genta Sahara¹, Wataru Hijikata², Tadahiko shinshi², Akihiko Yamada³, Yusuke Inoue³, Yasuyuki Shiraishi³, Masato Karube¹, Tatsuya Genda¹, Naoki Iwamoto¹, Yuma Tachizaki¹, Ryosuke Morita¹ and Tomoyuki Yambe³

¹Graduate school of Biomedical Engineering, Tohoku University, Sendai, Japan

²School of Engineering, Tokyo Institute of Technology, Tokyo, Japan

³Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan

9、Ultra-high resolution photoacoustic microscope that enables cell visualization

Ryo Shintate¹, Kazuto Kobayashi² and Yoshifumi Saijo¹

¹School of Biomed Eng., Tohoku Univ. 6-6-05 Aramaki, Aoba-ku, Sendai-shi, Miyagi, 980-8579 Japan

²R&D Division, Honda electronics Co., Ltd. 20 Oyamazuka, Oiwa-cho, Toyohashi-shi, Aichi, 441-3193 Japan

一般口演について

発表時間 12分，討論 3分とします。時間厳守にてお願いします。

座長は研究員会委員の集談会コンテスト係が行ないます。

15:45 – 15:50 Closing remarks Dr. Hozumi Motohashi

集談会終了後

加齢医学研究所研究会同窓会総会

17:30～ 園遊会

場 所：東北大学加齢医学研究所

スマート・エイジング研究棟 1階ホール