

第 1 5 4 回
東北大学加齢医学研究所

集談会

プログラム

**154th IDAC Biannual Meeting
Program**



日時：令和 2 年 7 月 17 日（金曜日）13:00～
July 17, 2020, 13:00~ at Web conference
所内で Web にて開催をいたします。

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. Hozumi Motohashi

13:05—14:05 Session 1 Presentations 1-4

Chairs: Shohei Murakami, So Itoi

1、Temporal changes in the acute effect of focused attention meditation on executive function

Noriki Yamaya^{1,*}, Shigeyuki Ikeda^{2,*}, Yuichi Hoshino³, Hikaru Takeuchi⁴
Ryuta Kawashima^{1,4}

¹Department of Advanced Brain Science, Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan

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*These authors contributed equally to this work.

2、A single-nucleotide polymorphism of the FK506-binding protein 51 (FKBP5) gene modulates the association between maternal acceptance and regional gray matter volume in the basal ganglia and the thalamus in children.

Izumi Matsudaira¹, Kentaro Oba², Hikaru Takeuchi³, Atsushi Sekiguchi⁴,
Hiroaki Tomita⁵, Ryuta Kawashima⁶, and Yasuyuki Taki¹.

¹Smart-Aging Research Center, Institute of Development, Aging, and Cancer, Tohoku University.

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⁴Department of Behavioral Medicine, National Institute of Mental Health, National Center for Neurology and Psychiatry.

⁵Department of Psychiatry, Tohoku University Hospital.

⁶Department of Advanced Brain Science, Institute of Development, Aging, and Cancer, Tohoku University.

- 3 、 Palladium-induced intracellular trafficking of MHC class I is involved in the generation of altered-self antigens during metal allergy.**

Koyu Ito, Emi Nishii, Kouetsu Ogasawara

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

- 4 、 A novel homologous recombination activity assay ASHRA is useful to predict the sensitivity to PARP inhibitor**

Shino Endo, Yuki Yoshino, Mikako Aota, Moe Haruta, and Natsuko Chiba

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

14:05 – 14:10 *break*

14:10 – 15:10 Session 2 Presentations 5-8

Chairs: Tomoki Yagai, Kota Goto

- 5 、 A novel ultrasound urodynamic imaging framework for functional diagnosis of urinary voiding symptoms**

Takuro Ishii¹, Hassan Nahas², Billy Y. S. Yiu², Alfred C. H. Yu², Yoshifumi Saijo³

¹Frontier Research Institute for Interdisciplinary Sciences, Tohoku University

²Research Institute for Aging, University of Waterloo, ON, Canada

³Graduate School of Biomedical Engineering; Dept. of Biomedical Measurements, Institute of Development, Aging and Cancer, Tohoku University

- 6 、 Subjective hearing handicap was associated with processing speed and visuo-spatial performance in older adults without severe hearing handicap.**

Natasha YS Kawata¹, Rui Nouchi^{2,3}, Toshiki Saito¹, Ryuta Kawashima^{1,3}

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

²Department of Cognitive Health Science, IDAC, Tohoku University, Sendai, Japan.

³Smart Aging Research Center, Tohoku University, Sendai Japan.

7 、 Importance of pyruvate metabolism in mouse embryonic oocyte development

Keiko Tanaka ,Yohei Hayashi, Yasuhisa Matsui

Cell Resource Center for Biomedical Research, Institute of Development, Aging and Cancer, Tohoku University

8 、 How can we determine the optimal cardiopulmonary bypass occlusion?

Aoi Fukaya^{1,2}·Yasuyuki Shiraishi³·Yusuke Inoue^{3,4}·Akihiko Yamada³·

Genta Sahara¹·Takemi Kudo²· Yasuhiro Aizawa²·Tomoyuki Yambe^{1,3}

¹Graduate School of Biomedical Engineering, Tohoku University

²Department of Clinical Engineering, Faculty of Science and Technology, Tohoku Bunka Gakuen University

³Department of Medical Engineering and Cardiology, Institute of Development, Aging and Cancer, Tohoku University

⁴Advanced Medical Engineering Research Center, Asahikawa Medical University

15:10 – 15:15 *break*

15:15 – 16:00 Session 3 Presentations 9-11

Chairs: Yasuhiro Suzuki, Guan Chen

9 、 Extracellular modified nucleoside derived from RNA catabolism activates GPCR.

Akiko Futakuchi, Fan-Yan Wei

Department of Modomics Biology and Medicine, Institute of Development, Aging and Cancer, Tohoku University

1 0 、 Working memory and daily multitasking

Azumi Tanabe ¹, Ryo Ishibashi ¹, Yasuhiro Hatori ², Matthew R. Logie ³,

Robert H. Logie ⁴

¹Department of Human Brain Science, Institute of Development, Aging and Cancer, Tohoku University

²Research Institute of Electrical Communication, Tohoku University

³Department of Psychology, the University of Stirling

⁴School of Philosophy, Psychology and Language Sciences, the University of Edinburgh

1 1 、 Temporal pole as a specific neural correlate of shame compared to guilt

Carlos Makoto Miyauchi^{1,2*}, Hikaru Takeuchi³, Yasuyuki Taki^{3,4,5}, Seishu Nakagawa^{6,7}, Atsushi Sekiguchi^{4,8}, Rui Nouchi^{9,10,11}, Yuka Kotozaki¹², Kunio Iizuka¹³, Yuki Yamamoto¹, Sugiko Hanawa¹, Tsuyoshi Araki¹¹, Yuko Sassa³, Ryuta Kawashima^{1,3,11}

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¹²Division of Clinical research, Medical-Industry Translational Research Center, Fukushima Medical University School of Medicine, Fukushima, Japan

¹³Department of Psychiatry, Tohoku University Graduate School of Medicine, Sendai, Japan

一般口演について

発表時間 1 2 分，討論 3 分とします。時間厳守にてお願いします。

座長は集談会コンテストの審査員が行います。

16:00 – 16:05 Closing remarks

Dr. Fan-Yan Wei

集談会終了後の研究会同窓会総会、園遊会は中止です。