

第 146 回東北大学加齢医学研究所集談会

146th IDAC Biannual Meeting

日時:平成 28 年 7 月 8 日(金) 13:00 から

場所:加齢医学研究所スマート・エイジング国際共同研究センター 国際会議室

July 8, 2016, 13:00~ Smart Ageing International Research Center 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

13:05-14:35 Sessions 1~6 Chair; the just-finished speaker

1、Individual differences in cognitive performance and brain structure in typically developing children

Susumu Yokota, Hikaru Takeuchi, Teruo Hashimoto, Hiroshi Hashizume, Kohei Asano, Michiko Asano, Yuko Sassa, Yasuyuki Taki, Ryuta Kawashima

Div. Cognitive Neuroscience

2、Neural bases of proverb use in social contexts

Kelssy Hitomi dos Santos Kawata¹, Rui Nouchi^{2,3,4}, Motoaki Sugiura^{1,2}, Sugiko Hanawa¹, Hyeonjeong Jeong¹, Shigeyuki Ikeda^{3,5}, Takayuki Nozawa^{3,5}, Mizue Suzuki¹ Yukako Sasaki¹, Keyvan Kashkouli Nejad¹, Ryuta Kawashima^{2,3,6}

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

²International Research Institute of Disaster Science, Tohoku University

³Department of Advanced Brain Science, Smart Ageing International Research Center, IDAC, Tohoku University

⁴Creative Interdisciplinary Research Division, Frontier Research Institute for Interdisciplinary Science (FRIS), Tohoku University

⁵Department of Ubiquitous Sensing, IDAC, Tohoku University

⁶Division of Developmental Cognitive Neuroscience, IDAC, Tohoku University

3、The effect of major surgery on cognitive functions, and the potential benefit of conducting simple calculation and reading aloud (SCRA) cognitive intervention in the elderly post-surgical population.

Kay Kulason, Rui Nouchi, Yasuhi Hoshikawa, Masafumi Noda, Yoshinori Okada, Ryuta Kawashima
Dept. Functional Brain Imaging

4、Pre-surgical language lateralization determined by magnetoencephalography in patients with temporal lobe epilepsy

Makoto Ishida¹, Masaki Iwasaki², Akitake Kanno³, Kazutaka Jin^{1,4}, Yosuke Kakisaka^{1,4}, Ryuta Kawashima³, and Nobukazu Nakasato^{1,4}

¹Department of Epileptology, Tohoku University Graduate School of Medicine

²Department of Neurosurgery, Tohoku University Graduate School of Medicine

³Institute of Development, Aging and Cancer, Tohoku University

⁴Department of Electromagnetic Neurophysiology, Institute of Development, Aging and Cancer,
Tohoku University

5 、 **Cerebral blood flow assessment of experimental subarachnoid hemorrhage in mice**

Kazuhiro Nakamura^{1,2}, Tatsushi Mutoh^{1,2}, Kazumasu Sasaki^{1,3}, Yasuyuki Taki², Tatsuya Ishikawa¹

¹Research Institute for Brain and Blood Vessels-Akita

²Nuclear Medicine and Radiology, Institute of Development, Aging and Cancer, Tohoku University

³Preclinical Evaluation, Institute of Development, Aging and Cancer, Tohoku University

6 、 **Neural basis for interpersonal reconnection: An fMRI study**

Kohei Sakaki^{1*}, Takayuki Nozawa², Ryoichi Yokoyama³, Yukako Sasaki¹, and Ryuta Kawashima^{1,2}

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

²Department of Ubiquitous Sensing, Institute of Development, Aging and Cancer, Tohoku University,
Sendai, Japan

³Kobe University School of Medicine, Kobe, Japan

14:35—14:45 Coffee break

14:45—16:00 Sessions 7~11 Chair; the just-finished speaker

7 、 **Activation of natural killer cell through NKG2D in murine bronchiolitis obliterans**

T Kawakami^{1,2}, Y Matsuda², M Noda², A Sakurada², Y Okada², K Ogasawara¹

¹Department of immunobiology ²Department of thoracic surgery

8 、 **Selective de-repression of germ cell-specific genes in mouse embryonic fibroblasts in a permissive epigenetic environment**

Tamotsu Sekinaka^{1,4}, Toshiaki Noce², Hitoshi Niwa³, Yasuhisa Matsui^{1,4}

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

²School of Medicine, Keio University.

³Department of Pluripotent Stem Cell Biology, Institute of Molecular Embryology and Genetics (IMEG),
Kumamoto University.

⁴The Japan Agency for Medical Research and Development-Core Research for Evolutional Science
and Technology (AMED-CREST).

9 、 **A novel BRCA1/OLA1-interacting protein 2 regulates centrosome number**

Huicheng Qi, Yuki Yoshino, Mami Sugamata, Zhenzhou Fang, Mizuki Hayasaka, Kazuha Shindo,
and Natsuko Chiba

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

10 、 **Evaluation of a newly designed Fontan regulation clip**

Junpei Ikeda¹, Yasuyuki Shiraishi², Yusuke Tsuboko³, Akihiro Yamada³, Yasunori Taira³, Yusuke Inoue³,
Tomoyuki Yambe³ Masaaki Yamagishi⁴

¹Graduate School of Biomedical Engineering, Tohoku University

²Department of Preclinical Evaluation,

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

⁴Department Pediatric Cardiovascular Surgery, Kyoto Prefectural Medical University

1 1、Evaluation of a vascular stent for the treatment of aortic aneurysms

Yasuyuki Shiraishi¹, Tomoya Arakawa², Yasunori Taira², Yusuke Tsuboko², Mitsuru Yuba²,
Akihiro Yamada², Yusuke Inoue², Kazumasu Sasaki¹, Tomoyuki Yambe¹, Kazuhiko Hanzawa³

¹Department of Preclinical Evaluation,

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Tohoku University

³Department of Cardiovascular Surgery, Niigata University

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。演者の方は次の口演の座長をお願いします。

16:00–16:10 Break

16:10–16:50 Special lecture by new professor Chair: Dr. Yasuyuki Taki
Cognitive neuroscience of ‘self’ and its application to Smart Ageing
Department of Human Brain Science, Institute of Development, Aging and Cancer,
Tohoku University

Motoaki Sugiura

東北大学加齢医学研究所 脳機能開発研究分野 杉浦元亮

16:50–16:55 Closing remarks Dr. Koetsu Ogasawara

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・エイジング国際共同研究センター 1 階ホール