第165回 東北大学加齢医学研究所 集談会

日時: 令和8年2月6日（金）13:00～

February 6th, 2026, 13:00～

International Conference Room, 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

東北大学加齢医学研究所集談会に関するガイドライン

【趣旨】

定期開催される東北大学加齢医学研究所集談会(以下、「集談会」という)において、加齢医学研究所同窓会メンバー(以下、メンバーという。)向けに、所属研究者等の日頃の成果を発表いただいておりますが、その中にはメンバー向けのため、公知となっていない研究データ等を発表いただける場合もございます。

ご存じのとおり、研究者のマナーとしまして、不用意に口外しないことを前提に発表いただいておりますが、昨今、ウェブ等で開催することもあり、ＵＲＬをご存じの方は、メンバー以外でもご参会いただけるため、発表者に不利益が生じないよう、守秘義務を講じて開催いただきますようお願いいたします。

注意事項「本集談会を聴講するにあたり、同会において提供又は開示され、若しくは同発表会を通じて知得した一切の情報について秘密に保持すること。

但し、聴講を受ける前に公知であったこと又は自ら正当に保有していたことを証明できる情報、若しくは聴講を受けた後、貴学が公開したことを証明できる情報についてはこの限りではないものとします。」

集談会コンテスト賞投票のお願い
Contest Award Voting

以下のQRコードから、あなたが素晴らしいと思った発表に投票してください。
ご協力お願い致します。
Scan the QR code to vote for your favorite presentation.
Thank you for your support!

https://forms.gle/iFkgkQkKwN47eHwx8

AGENDA

13:00-13:05 Opening remarks [Kozo Tanaka]

13:05-13:10 Introduction [Shimpei Kawamoto]

13:10-13:55 Presentations 1-4 [Chairs: Eisuke Yumoto, Keisei Kawashima, Kazuki Watanabe]

13:55-14:05 Break

14:05-14:50 Presentations 5-8 [Chairs: Sanami Nagata, Tetsuto Takeda, Shigeru Matsuda]

14:50-15:00 Break

15:00-15:35 Presentations 9-11 [Chairs: Shun Nishiyashiki, Tomoyuki Iwasaki, Kenji Iemura]

15:35-15:50 Break

15:50-16:00 Ceremony [Kozo Tanaka]

16:00-16:40 Award Lecture [Chair: Natsuko Chiba]

16:40-16:45 Closing remarks [Fan-Yan Wei]

17:45- New year party @実験研究棟 7 階セミナー室 1

13:10-13:55 Presentations 1-4 [Chairs: Eisuke Yumoto, Keisei Kawashima, Kazuki Watanabe]

8 min talk and 2 min Q & A

1. The neural basis of decision-making based on Dichotomous Belief.

Sanami Nagata[1], Tsukasa Ishigaki[2], Kohei Sakaki[3], Yi Ding[3], Chunlin Liu[3], Shoki Ogata[3], Satsuki Torige[1], Denilson Brilliant Tjoktandwinata[1], Sachihiro Shirahama[1], Erina Miyatsu[1] and Motoaki Sugiura[4,5]

[1]Graduate School of Medicine, the University of Tohoku

[2]Graduate School of Economics and Management, the University of Tohoku

[3]Cognitive Neuroscience Application Center, the University of Tohoku

[4]Institute of Development, Aging and Cancer, the University of Tohoku

[5]International Research Institute of Disaster Science, the University of Tohoku

2. Exogenous Glutathione Trisulfide Mitigates Pulmonary Ischemia–Reperfusion Injury in Old Mice.

Tetsuto Takeda, MD[1], Kazuki Hayasaka, MD, PhD[1,2], Tatsuaki Watanabe, MD, PhD [1], Chikara Sakai, MD[1,2], Ringo Sugawara, MD[1], Yui Watanabe, MD, PhD [1], Hisashi Oishi, MD, PhD[1], Takaaki Akaike, MD, PhD[3], Hozumi Motohashi, MD, PhD[2], Yoshinori Okada, MD, PhD[1].

[1] Department of Thoracic Surgery, Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan.

[2] Department of Medical Biochemistry, Tohoku University Graduate School of Medicine,

Sendai, Japan.
[3] Department of Redox Molecular Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan.

3. Controlled fracture strategies for pediatric pulmonary artery stents.
Xiaoxi Hou[1], Koichiro Ishikawa[2], Francis Chikweto[1], Yoshihiro Okamoto[3], Yasuyuki Shiraishi[1], Tomoyuki Yambe[1]
[1]Pre-Clinical Research Center, Institute of Development, Aging and Cancer, Tohoku University, Japan
[2]School of Medicine, Tohoku University, Japan
[3]Showa Medical University, Japan

4. S-adenosylmethionine metabolic homeostasis via nuclear proteasome-mediated regulation of conSAMption in Drosophila fat body.
Soshiro Kashio [1] and Masayuki Miura [2].
[1] Department of Integrative Bioanalytics, Institute of Development, Aging and Cancer (IDAC), Tohoku University, Sendai 980-8575, Japan
[2] Laboratory for Cell Vigor Regulation, National Institute for Basic Biology, Nishigonaka 38, Okazaki, Aichi 444-8585, Japan

13:55-14:05 Coffee Break

14:05-14:50 Presentations 5-8 [Chairs: Sanami Nagata, Tetsuto Takeda, Shigeru Matsuda]
8 min talk and 2 min Q & A

5. Effects of brief reminiscence activity on psychological resources of young Japanese workers.
Keisei Kawashima [1], Michio Takahashi [2], Akari Uno [2], Yasuyuki Taki [2]
[1] Department of Medical Sciences, Graduate School of Medicine, Tohoku University, Sendai, Japan.
[2] Smart Aging Research Center, Tohoku University, Miyagi, Japan.

6. Identification of a novel regulatory mechanism of the cGAS-STING pathway in DU145 prostate cancer cell line.
Eisuke Yumoto, Kenji Iemura, Kozo Tanaka.
Department of Molecular Oncology, Institute of Development, Aging and Cancer, Tohoku

University.

7. Detection of self-reactive $CD8^+$ T cell in NOD mice using newly developed MHC class I tetramer.

Shun Nishiyashiki, Kazuki Watanabe, Kouetsu Ogasawara.
Department of Immunobiology, Institute of Development, Aging and Cancer, Tohoku University.

8. Prognosis and Immunotherapy Response in Cancer Patients with KEAP1-NRF2 Pathway Alterations: A Large-Scale Clinical Genomic Study.

Tomoyuki Iwasaki, Hidekazu Shirota, Hisato Kawakami.
Department of Medical Oncology, Tohoku University Hospital.

14:50-15:00 Coffee Break

15:00-15:35 Presentations 9-11 [Chairs: Shun Nishiyashiki, Tomoyuki Iwasaki, Kenji Iemura]
8 min talk and 2 min Q & A

9. Aurora A ubiquitinates BRCA1 promoting centrosome maturation.

Yu Kikuta, Yuuki Shibutani, Zhenzhou Fang, Xingming Li, Shun Iwasaki, Naruki Katoh, Yuki Yoshino, and Natsuko Chiba.
Department of Cancer Biology, IDAC, Tohoku University.

10. Diverse Forms of Well-Being: Latent Classes of Well-Being and Brain Functional Differences in the UK Biobank.

Zhang Yunfeng, Meguro Harald Sebastian Akihiko, Chihiro Hosoda.
Department of Cognitive and Behavioral Neuroscience.

11. tRNA selenium modification sustains bacterial stress fitness through stop-codon readthrough.

Kazuyasu Kanazawa [1], Xu Yue [1], Lin Liu [1] , Raja Norazireen Raja Ahmad [1] , Haruna Tani [1], Shigeru Matsuda [1], Akiko Ogawa [1], Shintaro Iwasaki [2], Qing Cheng [3], Elias Arnér [3], Fan-Yan Wei [1].
[1] Department of Modomics Biology and Medicine, Institute of Development, Aging and Cancer, Tohoku University.
[2] Pioneering Research Institute, RIKEN.

[3] Division of Biochemistry, Department of Medical Biochemistry and Biophysics, Karolinska Institutet.

15:35-15:50 Coffee Break

15:50-16:00 Ceremony [Kozo Tanaka]

16:00-16:40 Award Lecture [Chair: Natsuko Chiba]

第 33 回加齢医学研究所研究奨励賞 受賞記念講演

Self-Evaluation in Social Contexts: How Social Acceptance and Rejection Shape the Self

Yi Ding

1. Institute of Development, Aging and Cancer, Tohoku University, Sendai, Japan
2. Graduate School of Medicine, Tohoku University, Sendai, Japan
3. Cognitive Neuroscience Application Center, Tohoku University, Sendai, Japan
4. Japan Society for the Promotion of Science, Tokyo, Japan

Abstract

Self-evaluation has long been conceptualized as a cognitive process through which individuals judge the extent to which particular attributes apply to themselves. However, growing evidence suggests that self-evaluation is not purely self-generated but is shaped by everyday social experiences such as acceptance and rejection. How individuals evaluate themselves may further depend on motivational factors and the social value of the evaluated attributes. Nevertheless, the psychological and neural mechanisms linking self-evaluation to perceived relational states (i.e., acceptance and rejection) remain poorly understood.

Here, I propose the Socially Grounded framework of Self-Evaluation hypothesis, which posits that self-evaluation dynamically incorporates relational states within social contexts. First, using an online survey experiment in Japanese young adults, I demonstrate that self-evaluation varies across motivation and social value domains, suggesting that self-evaluation tendencies may serve adaptive functions related to relational states rather than purely reflecting internally generated self-views. Second, using functional magnetic resonance imaging (fMRI), I show that individual differences in perceived social acceptance and rejection are associated with neural activity during self-evaluation in brain regions implicated in valuation, affective, and social cognitive processing. These neural associations vary across evaluation domains, indicating that relational states are embedded in domain-specific self-evaluative processes.

Together, these findings support a socially grounded account of self-evaluation as a dynamic cognitive process shaped by relational states, motivation, and social value. I conclude by discussing future directions examining how social relationships influence self-evaluation across the lifespan, particularly in older adulthood, with implications for psychological well-being and active aging.

16:40-16:45 Closing remarks [Fan-Yan Wei]

集談会終了後、17:45~研究員会主催新年会を加齢研実験研究棟 7 階セミナー室 1 で開催致します。We will have a new year party from 17:45. Join us!