

<セミナー開催のお知らせ・Seminar Announcement>

東大農学部・神経科学セミナー（第8回）

本セミナーは不定期に海外からの研究者をお招きして開催しております。

今回は、神経科学研究の世界的なトップランナーの研究者2名が来日されますので、セミナーを企画しました。お時間の許す限りご参加ください。

日時：2024年7月22日（月）15:00-18:00

場所：農学部1号館1階 第6講義室

Date: 15:00-17:10, July 22, 2024

Venue: Faculty of Agriculture Building No.1 - Lecture room #6 (first floor)

<講演者>

15:00-16:00

Weidong Li (Institute of Psychology and Behavioral Science, Shanghai Jiao Tong University)

Title: Studies on Memory Extinction of Conditional Fear Memory and Conditioned Taste Aversion

Reference:

1. Chen Z, Dou Z, Xu H, Wang Z, Zeng S, Yang X, Takahashi E, Popovic MR, Wang L, Li W. Decomposing Working Memory in Recurrent Major Depression: Impaired Encoding and Limited Maintenance Immune-to-Encoding Constraint. *Brain Sci.* 2022 Dec 24;13(1):38.
2. Yang X, Chen Z, Wang Z, He G, Li Z, Shi Y, Gong N, Zhao B, Kuang Y, Takahashi E, Li W. A natural marmoset model of genetic generalized epilepsy. *Mol Brain.* 2022 Feb 10;15(1):16.
3. Wu X, Yang X, Song L, Wang Y, Li Y, Liu Y, Yang X, Wang Y, Pei W, Li W. A Modified Miniscope System for Simultaneous Electrophysiology and Calcium Imaging in vivo. *Front Integr Neurosci.* 2021 Aug 16;15:682019.
4. Chu X, Zhou Y, Hu Z, Lou J, Song W, Li J, Liang X, Chen C, Wang S, Yang B, Chen L, Zhang X, Song J, Dong Y, Chen S, He L, Xie Q, Chen X, Li W. 24-hour-restraint stress induces long-term depressive-like phenotypes in mice. *Sci Rep.* 2016 Sep 9;6:32935.
5. Zhou M[#], Li W[#], Huang S, Song J, Kim JY, Tian X, Kang E, Sano Y, Liu C, Balaji J, Wu S, Zhou Y, Zhou Y, Parivash SN, Ehninger D, He L, Song H, Ming GL, Silva AJ. mTOR Inhibition ameliorates cognitive and affective deficits caused by Disc1 knockdown in adult-born dentate granule neurons. *Neuron.* 2013 Feb 20;77(4):647-54. [#]equally contribution.

16:10-17:10

Bernard Balleine (Decision Neuroscience Lab, UNSW Sydney)

Title: Cognitive control' in the brain: How predictive learning

influences choice and decision-making

Reference:

1. Leung BK, Chieng B, Becchi S, Balleine BW. A ventral pallidal-thalamocortical circuit mediates the cognitive control of instrumental action. *Curr Biol*. 2024 Jun 21;S0960-9822(24)00763-2.
2. Peak J, Chieng B, Hart G, Balleine BW. Striatal direct and indirect pathway neurons differentially control the encoding and updating of goal-directed learning. *Elife*. 2020 Nov 20;9:e58544.
3. Bradfield LA, Leung BK, Boldt S, Liang S, Balleine BW. Goal-directed actions transiently depend on dorsal hippocampus. *Nat Neurosci*. 2020 Oct;23(10):1194-1197.
4. Morris RW, Dezfouli A, Griffiths KR, Le Pelley ME, Balleine BW. The Neural Bases of Action-Outcome Learning in Humans. *J Neurosci*. 2022 Apr 27;42(17):3636-3647.
5. Fisher SD, Ferguson LA, Bertran-Gonzalez J, Balleine BW. Amygdala-Cortical Control of Striatal Plasticity Drives the Acquisition of Goal-Directed Action. *Curr Biol*. 2020 Nov 16;30(22):4541-4546.e5.

(* 事前のお申込みは不要です / No registration required.)

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アクセス



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