

Takateru Yamakoshi

CONTACT INFORMATION	Email: takateru@princeton.edu tyamakoshi0616@g.ecc.u-tokyo.ac.jp Website: https://taka-yamakoshi.github.io/ GitHub: https://github.com/taka-yamakoshi
EDUCATION	2018.4 – Present Bachelor of Medicine, The University of Tokyo (UTokyo) 2019.9 – 2020.5 Exchange Student, Princeton University
AWARDS	2023. Clinical Clerkship Best Student Award 2022. UTokyo–Princeton Strategic Partnership Grant 2019. Ito Foundation USA, FUTI scholarship 2018. High school valedictorian 2016. Tobitate! (Leap for Tomorrow) Scholarship 2015. Murata Scholarship
JOURNAL PAPERS * : JOINT FIRST	Kumar, S.* , Sumers, T.R.* , Yamakoshi, T. , Goldstein, A., Hasson, U., Norman, K.A., Griffiths, T.L., Hawkins, R.D., Nastase, S.A. (2022). Shared functional specialization in transformer-based language models and the human brain. <i>bioRxiv</i> .
PROCEEDINGS PAPERS * : JOINT FIRST	Yamakoshi, T. , McClelland, J.L., Goldberg A.E., Hawkins, R.D. (2023). Causal interventions expose implicit situation models for commonsense language understanding <i>Findings of the Association for Computational Linguistics: ACL 2023</i> . Yamakoshi, T. , Griffiths, T.L., Hawkins, R.D. (2022). Probing BERT’s priors with serial reproduction chains. <i>Findings of the Association for Computational Linguistics: ACL 2022</i> . Hawkins, R.D.* , Yamakoshi, T.* , Griffiths, T.L., Goldberg, A.E. (2020). Investigating representations of verb bias in neural language models. <i>Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> .
RESEARCH EXPERIENCES	2020.1 – Present: Robert Hawkins & Tom Griffiths (Dept. of Psychology, Princeton University) - Evaluation of language models using insights from cognitive science - Identification of causal mechanisms inside language models 2021.11 – 2023.3: Koji Ode & Hiroki Ueda (Dept. of Systems Pharmacology, UTokyo) - Computer simulation of intracellular Ca ²⁺ signalling pathways during sleep 2020.11 – 2021.3: Teppei Ebina & Masanori Matsuzaki (Dept. of Physiology, UTokyo) - Ca ²⁺ imaging data analysis of marmosets performing a motor learning task 2019.2 – 2021.3: Keita Tokuda (UTokyo Hospital) - Vocabulary development / Dynamical systems 2019.2 – 2019.3: Kuniyoshi Sakai (Dept. of Basic Science, UTokyo) - fMRI data analysis

- PRESENTATIONS
- 2023. Invited talk at Princeton Computational Cognitive Science Lab
 - 2023. The 61st Annual Meeting of the Association for Computational Linguistics
 - 2022. The 60st Annual Meeting of the Association for Computational Linguistics
 - 2021. Go Global Meeting
 - Information session for the exchange programs at UTokyo
 - 2020. Conference on Empirical Methods in Natural Language Processing (EMNLP)
 - 2020. Final project presentation at the Neuromatch Academy (<https://academy.neuromatch.io/>)
 - Identified functional connectivity using Neuropixels data
 - Selected as one of the highlighted projects
- DEPARTMENTAL SERVICE
- 2023. Treasurer for the students & alumni association of UTokyo Medical School
 - Handled a cash flow of >\$200,000 for an organization with 6,000+ members.
- SKILLS
- Language: Japanese (native), English (fluent), Spanish (beginner), Italian (beginner)
- Computer: Python, R, MATLAB, Prolog, Git, Docker, L^AT_EX