

# Teruaki Kido

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Department of Cognitive and Psychological Sciences,  
Brown University

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190 Thayer St., Providence, RI 02912, USA

## RESEARCH INTERESTS

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Perception and Psychophysics

*incl.* Time perception, Number Perception, Sleep, and Perceptual Learning

Computational Psychology/Neuroscience

Bayesian Models, Artificial Neural Networks

Neuroimaging

MRI (e.g., fMRI, MRS), EEG, MEG

## AFFILIATION

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Postdoctoral Research Associate

Department of Cognitive and Psychological Sciences,  
Brown University, Providence, RI, USA

Cooperative Visiting Researcher

Center for Information and Neural Networks, Advanced ICT Research Institute,  
National Institute of Information and Communications Technology, Osaka, Japan

## EDUCATION

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|------|--|
| 2025 | Ph.D. in Cognitive and Behavioral Sciences (Advisor: Yuko Yotsumoto)<br>Department of Life Sciences, Graduate School of Arts and Sciences,<br>The University of Tokyo, Tokyo, Japan              |
| 2023 | Master of Sciences in Cognitive and Behavioral Sciences (Advisor: Yuko Yotsumoto)<br>Department of Life Sciences, Graduate School of Arts and Sciences,<br>The University of Tokyo, Tokyo, Japan |
| 2021 | Bachelor of Liberal Arts<br>College of Arts and Sciences,<br>The University of Tokyo, Tokyo, Japan   |

## ACADEMIC EXPERIENCE

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|-------------------|---|
| 2025-03 – Present | <i>Postdoctoral Research Associate</i><br>Department of Cognitive and Psychological Sciences,<br>Brown University, Providence, RI, USA  |
| 2021-07 – Present | <i>Cooperative Visiting Researcher</i><br>Center for Information and Neural Networks, Advanced ICT<br>Research Institute,<br>National Institute of Information and Communications<br>Technology, Osaka, Japan |
| 2023-04 – 2025-03 | <i>Graduate Student</i><br>Department of Life Sciences, Graduate School of Arts and   |

## ACADEMIC EXPERIENCE

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Sciences,  
The University of Tokyo, Tokyo, Japan

## AWARDS

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|------|--|
| 2023 | Outstanding Presentation Award,<br>The 2023 UTIDAHM Open Symposium   |
| 2023 | Early Career Investigator Award,<br>7th Japanese Meeting for Human Brain Imaging   |
| 2022 | Best Poster Award,<br>1st International Symposium of Grant-in-Aid for Scientific Research<br>on Innovative Areas "Chronogenesis" |
| 2022 | Outstanding Graduate Student Award,<br>Department of Life Sciences, The University of Tokyo                                      |
| 2020 | Ohe President's Award for Academic Achievement,<br>The University of Tokyo   |
| 2020 | The First National High School Memorial Award,<br>College of Arts and Sciences, The University of Tokyo                          |
| 2020 | Poster Award,<br>Grant meeting for Grant-in-Aid for Scientific Research on Innovative<br>Areas "Chronogenesis"                   |

## GRANTS

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|-------------|--|
| 2022 – 2024 | Principal investigator, Grant-in-Aid for JSPS Fellows<br>(JSPS KAKENHI Grant Numbers JP22J21061, JP22KJ1038) |
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## PUBLICATIONS

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| 2025 | <u>Kido, T.</u> , Yotsumoto, Y., & Hayashi, M. J. (2025). Hierarchical representations of relative numerical magnitudes in the human frontoparietal cortex. <i>Nature Communications</i> 16, 419. doi: 10.1038/s41467-024-55599-8 |
| 2024 | <u>Kido, T.</u> , Yotsumoto, Y., & Hayashi, M. J. (2024). Hierarchical representations of relative numerical magnitudes in the human frontoparietal cortex. <i>Research Square</i> . doi: 10.21203/rs.3.rs-3930675/v1             |

## TEACHING EXPERIENCE

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### Teaching Assistant

- Introduction to psychology
- Introduction to functional MRI (hands-on training for retinotopy mapping)
- Research practice in visual psychophysics (gamma correction and stimulus timing validation with colorimeter, photocell, and oscilloscope)

## SKILLS

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### Programming

R, Python, MATLAB, Shell Script (e.g., Bash),  
SPM12, FSL, FreeSurfer, fmriprep

## SKILLS

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### **Data Analysis**

Computational Modeling, Bayesian Data Analysis, Machine Learning,

### **MRI Data Analysis**

Preprocessing, GLM Analysis,

Multi-Voxel Pattern Analysis (*incl.* Decoding, Representational Similarity Analysis)