

Yi-Chun Ko

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EDUCATION

2022/09 - 2022/10	Visiting Student	Department of Psychology, University of Illinois Urbana-Champaign, USA PI: Kara Federmeier, Ph.D.
2020 - 2022	M.A.	Graduate Institute of Linguistics, National Taiwan University, Taiwan Ranking: 1st/21 Overall GPA: 4.29/4.30 Advisor: Chia-Lin Lee, Ph.D. Thesis title: <i>Processing of Ambiguity with Multiple Referents</i>
2017 - 2018	Exchange Student	Tokyo University of Foreign Studies, Japan Overall GPA: 4.06/4.30 Courses taken: Sociolinguistics, Syntax, Second Language Acquisition
2015 - 2019	B.A.	Department of Economics, National Taiwan University, Taiwan Ranking: 30th/153 Overall GPA: 3.88/4.30 Neurobiology and Cognitive Science Program - Certified by taking 22 credits - Courses taken: General Psychology, Mind and Brain, Neurobiology

RESEARCH EXPERIENCE

2023 - Present	Research Assistant & Lab Manager	Graduate Institute of Linguistics, National Taiwan University, Taiwan PI: Chia-Lin Lee, Ph.D. Engaged in all aspects of psycholinguistic and EEG research, including experimental design, data collection, and analysis; trained graduate students, managed laboratory equipment and servers, and assisted in manuscript co-review and grant proposal preparation.
2020 - 2022	M.A. Research Student	Graduate Institute of Linguistics, National Taiwan University, Taiwan

PUBLICATIONS

- Ko, Y. C., Federmeier, K. D., & Lee, C. L. (in prep.; [preregistered](#)). Investigating the Dynamics of Ambiguity Processing in Multi-Referent Scenarios.
- Yeh, C., Ko, Y. C., Yen, H. H., Tang, L., Hsu, H. J., & Lee, C. L. (in prep.). Right Hemisphere at the Right Time: Electrophysiological Evidence for Right Hemispheric Syntactic Processing in Demanding Condition.

CONFERENCE PUBLICATIONS

- Ko, Y. C., Federmeier, K. D., & Lee, C. L. (2025). The Dynamics of Ambiguity Processing: How Readers Manage and Retrieve Referential Information. Poster presented at the NTU-UT Linguistics Festa 2025. (March 15, Tokyo, Japan)
- Huang, J. Y., Ko, Y. C., Goh, J. O. S., & Lee, C. L. (2024). How Emotion Influences Prediction Dynamics during Sentence Reading: Evidence from Brain Potentials. Poster presented at the 16th Annual Meeting of the Society for the Neurobiology of Language (SNL). (October 24-26, Brisbane, Australia)

- **Ko, Y. C.**, Federmeier, K. D., & Lee, C. L. (2024). Investigating Ambiguity Processing in Multi-referent Situations: Insights from Event-Related Potentials. Poster presented at the 16th Annual Meeting of the Society for the Neurobiology of Language (SNL). (October 24-26, Brisbane, Australia)
- **Ko, Y. C.**, Federmeier, K. D., & Lee, C. L. (2024). Processing Ambiguity with Multiple Referents. Poster presented at the Annual Meeting of the Taiwan Society of Cognitive Neuroscience. (January 26-27, Kaohsiung, Taiwan)
- **Ko, Y. C.**, Yeh, C., Hsu, H. J., & Lee, C. L. (2022). Age-related Differences in Statistical Learning of Non-adjacent Dependencies: Evidence from ERPs. Poster presented at the 29th Annual Meeting of the Cognitive Neuroscience Society (CNS). (April 23-26, San Francisco, CA, USA)
- **Ko, Y. C.** (2021). Vowel Lowering Effect of Pharyngeal and Uvular Consonants in Squliq Atayal. Poster presented at the 22nd National Conference on Linguistics. (October 23, Taipei, Taiwan)
- **Ko, Y. C.**, Yeh, C., Yen, H. H., Tang, L., Hsu, H. J., & Lee, C. L. (2021). Right Hemisphere Syntactic Processing in Demanding Conditions: An Event-Related potential study. Poster presented at the 28th Annual Meeting of the Cognitive Neuroscience Society (CNS). (March 13-16, Virtual conference)
- Yeh, C., **Ko, Y. C.**, Yen, H. H., Tang, L., Hsu, H. J., & Lee, C. L. (2020). Right Hemisphere at the Right Time: Electrophysiological Evidence for Right Hemispheric Syntactic Processing in Demanding Condition. Poster presented at NTU-UT Linguistics Festa 2020, National Taiwan University. (February 7, Taipei, Taiwan)

TEACHING AND OUTREACH EXPERIENCE

Teaching Assistant

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| 2020 - 2022 | Introduction to Event-Related Potential (ERP) Data Collection and Analysis
Developed and delivered lectures on ERP data analysis. |
| 2021 | Introduction to Psycholinguistics
Assisted in organizing classroom discussions and guiding students on term projects. |

Research Mentoring

Trained over 20 undergraduate and master's students in ERP experimental design and data analysis.

Public Outreach and Mentoring

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| 2022–Present | Introduction to Linguistics and the Linguistics Olympiad
Designed and taught linguistics and Olympiad preparation courses for junior and senior high school students at Kang Chiao International School and Taipei Fuhsing Private School, promoting linguistics education and analytical thinking among younger students. |
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Student Achievements:

- **Bronze Medalists** at the 3rd High School Language Science Fair, representing Taiwan at the Asia Pacific Linguistics Olympiad
- **Honorable Mention** at 2023 Taiwan Olympiad in Linguistics

AWARDS AND HONORS

Awards

- 2021 Excellent Teaching Assistant (Top 10%; 71 selected from over 1000 nominees)
- 2020 Best presentation for Intern Results Presentation of the Neurobiology and Cognitive Science Program
- 2016 Academic Achievement Awards (ranked 4 out of 128 students)

Honors

- International Conference Travel Subsidy, Ministry of Science and Technology, Taiwan
- Scholarship for exchange student, Japan Student Services Organization, Independent Administrative Institution
- Scholarship for exchange student, Japan-Taiwan Exchange Association

RESEARCH INTEREST

Language and Memory; Referential Processing; Electrophysiology (EEG & ERP)

SKILLS

Programming	R, MATLAB, Python
Software & Tools	Presentation, Psychtoolbox, E-Prime, Gorilla, LaTeX, JASP, Adobe Illustrator
Languages	Mandarin (native), English (fluent, TOEFL 112), Japanese (fluent, JLPT N1, highest level), Spanish (basic)

INVITED PRESENTATIONS

- *Introduction to EEG Data Collection and Analysis*. NTU MultiMoco Workshop, Taipei, Taiwan (November 14, 2022)
- *Processing of Referential Ambiguity with Multiple Referents*. Language Seminar, University of Illinois UrbanaChampaign, USA (September 21, 2022)
- *Introduction to ERP and Referential Ambiguity*. LING5705 “Uncovering Languages,” National Taiwan University, Taipei, Taiwan (May 17, 2022)
- *Introduction to ERP and Statistical Learning*. LING5705 “Uncovering Languages,” National Taiwan University, Taipei, Taiwan (December 3, 2020)
- *The Content and Requirements of General Education Courses from Students’ Perspectives*. Center for General Education, National Kaohsiung Normal University, Kaohsiung, Taiwan (November 15, 2019)
- *Experience Sharing as an Exchange Student*. Office of International Affairs, National Taiwan University, Taipei, Taiwan (September 8, 2018)

SHARED RESOURCES

Ko, Y. C., Lin, W. H., & Lee, C. L. (2020). *Color detection task: A demonstration*. [PowerPoint presentation]. Retrieved from [Google Drive Folder](#)

EXTRACURRICULAR ACTIVITIES

2022	Poster Organizing Committee and Student Organizer of Method Session for NTU-UT Linguistics Festa Conference
2019	Group leader of Brother & Sister program held by JTB Corporation Exchanged ideas and shared the campus life of Taiwan with high school students from Japan
2017 - 2018	International Student Volunteer
2016	Vice President , Sports Committee, Student Association of Economics, National Taiwan University
2016	Vice Coordinator , Economics Camp, National Taiwan University