

Chia-Wen Lo (羅佳雯)

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EMPLOYMENT

National Sun Yat-sen University	Kaohsiung, Taiwan
<i>Assistant Professor, Department of Foreign Languages and Literature</i>	<i>2026.02 - Present</i>

EDUCATION BACKGROUND

University of Michigan	Ann Arbor, U.S.
<i>Ph.D., Linguistics</i>	<i>2015 - 2021</i>

Dissertation title: Testing Low-Frequency Neural Activity in Sentence Understanding

Dissertation committee members: Dr. Jonathan Brennan (Chair), Dr. Richard Lewis, Dr. Natasha Abner, and Dr. Nai Ding

University of Michigan	Ann Arbor, U.S.
<i>Graduate certificate in Cognitive Science</i>	<i>2015 - 2021</i>

National Chung Cheng University	Chiayi, Taiwan
<i>M.A., Linguistics</i>	<i>2009 - 2012</i>

Thesis title: An Empirical Investigation of the Blocking Effect of Eventuality Counting Expressions in Mandarin

Thesis advisors: Dr. James Myers, Dr. Niina Zhang

Committee members: Dr. Jiun-Shiung Wu and Dr. Chun-Chieh Natalie Hsu

National Chung Cheng University	Chiayi, Taiwan
<i>B.A., Foreign Languages and Literature</i>	<i>2004 - 2008</i>

RESEARCH INTERESTS

Neurolinguistics

Psycholinguistics

Computational Linguistics

Experimental Syntax/Semantics

Cognitive Science

ACADEMIC AWARDS AND SCHOLARSHIPS

- **2020.** The SNL (The Society for the Neurobiology of Language) Graduate Student Abstract Merit Award - Honorable Mention.
- **2020.** Barbour Scholarship. Rackham Graduate School, University of Michigan. Full tuition and required fees, stipend of \$32,670 (currently) for one academic year (fall, winter, and spring/summer terms).
- **2019.** Rackham Conference Travel Grant 2019, Rackham Graduate School, University of Michigan. \$1,050 USD.
- **2018.** Rackham Conference Travel Grant 2018, Rackham Graduate School, University of Michigan. \$1,050 USD.
- **2018.** Rackham Humanities Research Fellowship, Rackham Graduate School, University of Michigan.

gan. Stipend of \$10,200 per term during the tenure and candidacy tuition and all fees for the Winter term.

- **2017.** Rackham Conference Travel Grant 2017, Rackham Graduate School, University of Michigan. \$798 USD.
- **2016.** Chia-Lun Lo Fellowship 2016-2017, Rackham Graduate School, University of Michigan. \$10,000 USD.
- **2012.** Travel grant for Linguistic Evidence 2012 (Germany), National Science Council, Taiwan. \$1,166 USD.
- **2012.** Scholarship for Linguistic students, The Language Training and Testing Center, Taiwan. \$333 USD.
- **2010.** The President's Award (for extraordinary academic achievement), National Chung Cheng University, Taiwan. Tuition Award: \$1,458 USD.
- **2009.** The President's Award (for extraordinary academic achievement), National Chung Cheng University, Taiwan. Tuition Award: \$1,770 USD.

MANUSCRIPTS

- **Lo, Chia-Wen**, Mark Anderson, Lorenzo Titone, & Lars Meyer. (Under review). Chunks of Local Syntactic Dependencies Form Periodic Sequences, within and across 21 Languages. MPI-CBS ms.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (In prep). Testing temporal boundaries of composition in low-frequency neural oscillations. University of Michigan ms.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (In prep). Testing semantic compositionality in low-frequency neural oscillations. University of Michigan ms.
- **Lo, Chia-Wen.** (In prep). Intervention Effect of Eventuality Counting Expressions in Interpretations of Indefinite Objects: An Experimental Investigation. University of Michigan ms.

PUBLICATIONS

- **Lo, Chia-Wen** & Lars Meyer. (2024). Chunk boundaries disrupt dependency processing in an AG: Reconciling incremental processing and discrete sampling. *PLoS ONE* 19(6): e0305333. doi: 10.1371/journal.pone.0305333
- Nikos Chalas, Lars Meyer, **Chia-Wen Lo**, Hyojin Park, Daniel S. Kluger, Omid Abbasi, Christoph Kayser, Robert Nitsch, Joachim Gross. (2024). Dissociating prosodic from syntactic delta activity during natural speech comprehension. *Current Biology* 34:1-13. doi: 10.1016/j.cub.2024.06.072
- **Lo, Chia-Wen**, Mark Anderson, Lena Henke, & Lars Meyer. (2023). Periodic fluctuations in reading times reflect multi-word-chunking. *Scientific Reports* 13:18522. doi: 10.1038/s41598-023-45536-y
- **Lo, Chia-Wen**, Lena Henke, Jordi Martorell, & Lars Meyer. (2023). When Linguistic Dogma Rejects a Neuroscientific Hypothesis. *Nature Reviews Neuroscience* 24:725. doi: 10.1038/s41583-023-00738-1
- **Lo, Chia-Wen**, Tzu-yun Tung, Alan Hezao Ke, & Jonathan R. Brennan. (2022). Hierarchy, not lexical regularity, modulates low-frequency neural synchrony during language comprehension. *Neurobiology of Language* 3 (4): 538–555. doi: 10.1162/nol_a_00077
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2021). EEG correlates of long-distance dependency formation in Mandarin *wh*-questions. *Frontiers in Human Neuroscience* 15:591613. doi: 10.3389/fnhum.2021.591613

CONFERENCE PROCEEDINGS

- Zhu, Jian, Zuoyu Tian, Yadong Liu, Cong Zhang, & **Chia-Wen Lo**. (2022, December). Bootstrapping meaning through listening: Unsupervised learning of spoken sentence embeddings. In Findings of the Association for Computational Linguistics: EMNLP 2022, pages 1134–1154, Abu Dhabi, United Arab Emirates. Association for Computational Linguistics.
<https://aclanthology.org/2022.findings-emnlp.81/>

INVITED TALKS

- Chia-Wen Lo. (2025, November). Language and Human Mind. Introduction to Linguistics (taught by Prof. Shu-ing Shyu), National Sun Yat-sen University, Kaohsiung, Taiwan.
- Chia-Wen Lo. (2023, December). How brain rhythms shape language processing? The temporal structure of syntax. Introduction of Neurolinguistics (taught by Dr. Chia-Hsuan Liao), National Tsing Hua University, Hsinchu, Taiwan.
- Lena Henke, **Chia-Wen Lo**, Lorenzo Titone, & Lars Meyer. (2023, November). Language cycles - How brain rhythms shape language? Institute Colloquium, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- Chia-Wen Lo. (2023, July). The temporal structure of syntax. Colloquium, Computational Psycholinguistics Tokyo (CPT), University of Tokyo, Tokyo, Japan.
- Chia-Wen Lo. (2022, November). Project Presentation. Lab talk (virtually), Dr. Nai Ding's lab, Zhejiang University, Zhejiang, China.
- Lena Henke, Yulia Lamekina, **Chia-Wen Lo**, Katharina Menn, & Lars Meyer. (2022, November). How neural timing constrains language (processing) from the inside out? Institute Colloquium, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- Lo, Chia-Wen. (2018, April). EEG correlates of covert dependency formation in Mandarin *wh*-questions. Grad Student Colloquium, University of Michigan, Michigan, USA.

CONFERENCE PRESENTATIONS

- Nikos Chalas, Lars Meyer, **Chia-Wen Lo**, Hyojin Park, Daniel S. Kluger, Omid Abbasi, Christoph Kayser, Robert Nitsch, Joachim Gross. (2025, September). Dissociating prosodic from syntactic delta activity during natural speech comprehension. Poster presented at the International Conference on Cognitive Neuroscience (ICON 2025). Porto, Portugal.
- Nikos Chalas, Lars Meyer, **Chia-Wen Lo**, Hyojin Park, Daniel S. Kluger, Omid Abbasi, Christoph Kayser, Robert Nitsch, Joachim Gross. (2024, September). Dissociating endogenous and exogenous brain rhythms during natural speech processing. Classic Symposia presented at the 53rd Congress of the German Psychological Society (DGPs) / the 15th ÖGP Conference. Vienna, Austria.
- **Lo, Chia-Wen** & Lars Meyer. (2024, October). Does Segmentation Disrupt Dependency Processing? A Frequency-Tagging and ERP Study on Natural Language. Poster presented at the 16th Annual Meeting of the Society for the Neurobiology of Language (SNL 2024). Brisbane, Australia.
- **Lo, Chia-Wen**, Mark Anderson, Lorenzo Titone, & Lars Meyer. (2024, May). Is syntax optimized for periodic neurobiological sampling? Evidence from 21 languages. Poster presented at the 37th Annual Conference on Human Sentence Processing (HSP 2024). Ann Arbor, Michigan, United States.
- **Lo, Chia-Wen**, Mark Anderson, Lorenzo Titone, & Lars Meyer. (2023, November). Are syntactic dependencies optimized for periodic neurobiological sampling? Large-scale analysis on the Universal Dependencies corpus. Talk presented at the Crosslinguistic Perspectives on Processing and Learning Workshop (X-PPL 2023). Zurich, Switzerland.

- **Lo, Chia-Wen**, Lena Henke, & Lars Meyer. (2023, October). The Cognitive Throttle of Language: Exploring the Limits of Information Processing. Poster presented at the 15th Annual Meeting of the Society for the Neurobiology of Language (SNL 2023). Marseille, France.
- **Lo, Chia-Wen**, Mark Anderson, Lorenzo Titone, & Lars Meyer. (2023, August). Are syntactic dependencies optimized for periodic neurobiological sampling? Large-scale autocorrelation analysis on the Universal Dependencies corpus. Talk presented at the workshop Internal and External Pressures Shaping Language in the 34th European Summer School in Logic, Language and Information (ESSLLI). Ljubljana, Slovenia.
- **Lo, Chia-Wen** & Lars Meyer. (2022, October). Do Segment Boundaries Disrupt the Processing of Non-Adjacent Dependencies? Evidence from Neural Frequency Tagging and ERPs. Poster presented at The 14th Annual Meeting of the Society for the Neurobiology of Language (SNL 2022). Philadelphia, Pennsylvania, United States.
- **Lo, Chia-Wen**, Mark Anderson, Lena Henke, & Lars Meyer. (2022, October). Periodic Chunking of Language: Rhythmic Neuronal Processing Mirrored in Self-Paced Reading? Poster presented at The 14th Annual Meeting of the Society for the Neurobiology of Language (SNL 2022). Philadelphia, Pennsylvania, United States.
- Meyer, Lars, Mark Anderson, Lena Henke, & **Chia-Wen Lo**. (2022, April). Periodic Chunking of Language: Rhythmic Neuronal Processing Mirrored in Self-Paced Reading? Poster presented at The 29th Annual Meeting of the Cognitive Neuroscience Society (CNS 2022). San Francisco, California, United States.
- **Lo, Chia-Wen**, Chih Yeh, & Lars Meyer. (2022, April). Do Segment Boundaries Disrupt the Processing of Non-Adjacent Dependencies? Evidence from Neural Frequency Tagging and ERPs. Poster presented at The 29th Annual Meeting of the Cognitive Neuroscience Society (CNS 2022). San Francisco, California, United States.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2020, October). Testing semantic compositionality in low-frequency neural oscillations. Poster presented at The 12th Annual Meeting of the Society for the Neurobiology of Language (SNL 2020). Virtually. (Graduate Student Abstract Merit Award - Honorable Mention)
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2020, September). Lexical representation doesn't fully capture low-frequency neural oscillations during sentence comprehension. Poster presented at the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP 2020). Virtually.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2020, March). Testing temporal boundaries of composition in low-frequency neural oscillations. Poster presented at the 33rd Annual CUNY Sentence Processing Conference (CUNY 2020). Virtually.
- **Lo, Chia-Wen**, Tzu-Yun Tung, Alan Hezao Ke, & Jonathan R. Brennan. (2019, August). Cortical tracking of Mandarin structures. Poster presented at The Eleventh Annual Meeting of the Society for the Neurobiology of Language (SNL 2019). Helsinki, Finland.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2018, August). A simulation-based approach to statistical power with ERPs. Poster presented at The Tenth Annual Meeting of the Society for the Neurobiology of Language (SNL 2018). Québec City, Canada.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2018, March). EEG correlates of covert dependency formation in Mandarin *wh*-questions. Poster presented at the 31st Annual CUNY Sentence Processing Conference (CUNY 2018). UC Davis, California, USA.
- **Lo, Chia-Wen** & Jonathan R. Brennan. (2017, November). EEG correlates of covert dependency formation in Mandarin *wh*-questions. Poster presented at The Ninth Annual Meeting of the Society for the Neurobiology of Language (SNL 2017). Baltimore, MD, USA.
- **Lo, Chia-Wen**. (2016, October). Unifying intervention effects in Mandarin *wh*-construal blocking. Poster presented at Semantics and Syntax Workshop of the American Midwest and Prairies (SSWAMP 2016). Northwestern University, IL, USA.

- Lo, Chia-Wen. (2013, April). Blocking in Chinese Eventuality Counting Expressions: An Experimental Investigation. The 9th Workshop on Formal Syntax & Semantics (FOSS-9), National Chung Cheng University, Chiayi, Taiwan.
- Lo, Chia-Wen. (2012, February). Empirical Evidence for the Effect of Eventuality Counting Expressions on Covert Dependencies. Linguistic Evidence 2012, University of Tübingen, Tübingen, Germany.
- Lo, Chia-Wen. (2010, November). Metonymy and Teaching in Tang Poetry. The 11th National Conference on Linguistics, National Hsinchu University of Education, Hsinchu, Taiwan.

ADVISING EXPERIENCE

- **2024** Research internship project: Exploring the amount of information processing in multi-word chunks (Hannes Düe, with Lena Henke).
Research assistant training: EEG data collection and stimuli design (Alexander Latton, Katharina Forndran).
- **2023** Research internship project: Rhythmicity during conversational speech. (Oceana Di, with Lena Henke).
- **2021** PhD student mentoring: research design (Chih Yeh (MPI-psycholinguistics)).
Research assistant training: EEG data collection, stimuli design, corpus data processing. (Johannes Gereons, Paula Baer).
- **2020** Undergraduate mentoring: EEG data collection, data pre-processing, and data analysis (Meredith Belloni, Areti Majumdar, Haoyu Du).
- **2019** Undergraduate mentoring: EEG data collection and data pre-processing (Samia Elahi, Ibrahim Lubis).
- **2018** Undergraduate mentoring: EEG data collection and data pre-processing (Mara Roberts, David Kamper, Samia Elahi).
- **2017** Undergraduate mentoring: EEG data collection (Rachael Eby, Salim Huerta).

TEACHING EXPERIENCE

Department of Linguistics
Graduate Student Instructor

University of Michigan, Ann Arbor
September 2016 – December 2017

- LING 111: Introduction to Language (Fall 2016 with Dr. Jelena Krivokapić)
- LING 111: Introduction to Language (Winter 2017 with Dr. Jelena Krivokapić)
- LING 111: Introduction to Language (Fall 2017 with Dr. Andries Coetzee)

RESEARCH/WORK EXPERIENCE

Language Cycles
Postdoctoral Fellow

Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig
July 2021 – December 2024

- PI: Dr. habil. Lars Meyer
- EEG data collection
- Data analysis
- Computational modeling
- Internship/research assistant mentoring

Computational Neurolinguistics Lab, Department of Linguistics
Graduate Student Research Assistant

University of Michigan, Ann Arbor
September 2018 – April 2021

- PI: Dr. Jonathan R. Brennan
- EEG data collection

- Data analysis
- Computational modeling
- Undergrads mentoring

Google**Speech Data Evaluator****Taipei, Taiwan***May 2014 – June 2015*

- Annotated and classified linguistic data
- Evaluated audio data
- Labeled text for disambiguation, expansion, and normalization
- Provided phonetic transcription of lexicon entries with in-house tools

Graduate Institute of Linguistics**Full-time Research Assistant****National Chung Cheng University, Taiwan***August 2012 – April 2014*

- Research Project: Mandarin Wordlikeness Megastudies (PI: Dr. James Myers & Co-PI: Dr. Jane Tsay)
- Lab member mentoring: (1) speech-to-text transcription for the Spoken Taiwanese Southern Min Corpus, (2) Data collection
- Data collection for psycholinguistic experiments
- Human research ethical review application
- Cooperated with a programmer to build the database of the project and the website of Spoken Taiwanese Southern Min Corpus (<http://lngproc.ccu.edu.tw/SouthernMinCorpus/>)

Graduate Institute of Linguistics**Part-time Research Assistant****National Chung Cheng University, Taiwan***October 2009 – July 2012*

- Research Projects: Mandarin Wordlikeness Megastudies; Parallel Experimental and Corpus-based Analyses of Southern Min Phonology (PI: Dr. James Myers & Co-PI: Dr. Jane Tsay)
- Speech-to-text transcription for the Spoken Taiwanese Southern Min Corpus
- Managed and updated corpus data
- Lab member mentoring: speech-to-text transcription for the Spoken Taiwanese Southern Min Corpus

Department of speech and hearing disorders and sciences **National Taipei University of Nursing and Health Sciences, Taiwan**

Full-time Research Assistant*February 2009 – July 2009*

- Research Project: Outcome of vocal hygiene education and resonant voice therapy for female teachers with voice disorders (PI: Dr. Sheng Hwa Chen)
- Data collection in multiple hospitals
- Arranged establishment of the Speech and Hearing Center
- Assisted with administrative duties

LANGUAGES

- **MANDARIN CHINESE** Native or bilingual proficiency
- **TAIWANESE (SOUTHERN MIN)** Professional working proficiency
- **ENGLISH** Full professional proficiency
- **JAPANESE** Limited working proficiency
- **KOREAN** Elementary proficiency

COMPUTER PROGRAMMING SKILLS

- **R** Use R to run statistics and simulations
- **Matlab** Working knowledge of the computer language
- **Python** Working knowledge of the computer language
- **PsychoPy** design experiments
- **Presentation** design experiments

MEMBERSHIP

- Member, Society for Human Sentence Processing
- Member, Cognitive Neuroscience Society
- Member, Society for the Neurobiology of Language
- Member, Linguistic Society of America
- Member, Linguistic Society of Taiwan

SERVICE

- **Ad-hoc journal review (2021 - Present):** Australian Review of Applied Linguistics, Bilingualism: Language and Cognition, Brain and Language, Communications Biology, Developmental Cognitive Neuroscience, Frontiers in Language Sciences, Frontiers in Human Neuroscience, Frontiers in Psychology, Journal of Psycholinguistic Research, NeuroImage, PLOS Biology, Psychophysiology, Scientific Reports
- **Review Editor (2023 –Present):** Frontiers in Language Sciences (section: Psycholinguistics).
- **Science goes to school (2023 - 2024):** planning, material preparation, MPI-CBS, Leipzig, DE.
- **2024,** Reviewer, The 37th Annual Conference on Human Sentence Processing (HSP), University of Michigan, Michigan, US.
- **2023,** Poster reviewer: The 12th IMPRS NeuroCom Summer School, MPI-CBS, Leipzig, DE.
- **2018 –2019,** Graduate committee, U of M Linguistics, Michigan, US.
- **2016 –2019,** Organizer of Psycholinguistics discussion group, U of M Linguistics and Psychology, Michigan, US.
- **2017 –2018,** Vice President, Michigan Taiwanese Student Association, Michigan, US.
- **2016 –2018,** Admissions, Diversity and Recruitment Committee, U of M Linguistics, Michigan, US.
- **2015 –2016,** Admission, Recruitment, and Diversity Committee (Colloquium), U of M Linguistics, Michigan, US.