

Current Position

Ph.D. Student

Department of Linguistics

Georgetown University

August 2025 – May 2030 (expected)

Research Interests

- Computational and information-theoretic models of sentence processing
- Syntactic theories and parsing

Education

Georgetown University

Ph.D. Student

Department of Linguistics

Advisor: Prof. Ethan Gotlieb Wilcox

Washington, D.C., USA

August 2025 – May 2030 (expected)

The Graduate University for Advanced Studies, SOKENDAI

Ph.D. Student

National Institute for Japanese Language and Linguistics (NINJAL)

Advisor: Prof. Yusuke Kubota

Tokyo, Japan

April 2025 – August 2025

The University of Tokyo

M.A. in Arts and Sciences

Department of Language and Information Sciences

Tokyo, Japan

April 2023 – March 2025

The University of Tokyo

B.A. in Arts and Sciences

College of Arts and Sciences

Tokyo, Japan

April 2019 – March 2023

Publications

Refereed Conference Proceedings

1. Ryo Yoshida, Shinnosuke Isono, **Kohei Kajikawa**, Taiga Someya, Yushi Sugimoto, and Yohei Oseki. [If Attention Serves as a Cognitive Model of Human Memory Retrieval, What is the Plausible Memory Representation?](#). *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (ACL)*, 2025.
2. **Kohei Kajikawa**, Yusuke Kubota, and Yohei Oseki. [Is Structure Dependence Shaped for Efficient Communication?: A Case Study on Coordination](#). *Proceedings of the 28th Conference on Computational Natural Language Learning (CoNLL)*, 2024. [\[Best Paper Award\]](#)
3. **Kohei Kajikawa**, Ryo Yoshida, and Yohei Oseki. [Dissociating Syntactic Operations via Composition Count](#). *Proceedings of the 46th Annual Meeting of the Cognitive Science Society (CogSci)*, 2024. [\[Oral\]](#)
4. Shinnosuke Isono, Takuya Hasegawa, **Kohei Kajikawa**, Koichi Kono, Shiho Nakamura, and Yohei Oseki. [Formalizing Argument Structures with Combinatory Categorial Grammar](#). *Lecture Notes in Computer Science*, 2023.

Refereed Conference Abstracts

1. **Kohei Kajikawa** and Ethan Gotlieb Wilcox. Spillover as Rational Processing Delay in Sentence Comprehension. *HSP2026*.
2. Shinnosuke Isono and **Kohei Kajikawa**. Grammar as logic, processing as deduction, actions as theorems, states as propositions. *CPL2025*.
3. **Kohei Kajikawa** and Shinnosuke Isono. Syntactic Node Count as Index of Predictability. *CPL2025*.
4. **Kohei Kajikawa***, Shinnosuke Isono*, Yushi Sugimoto*, Masayuki Asahara, and Yohei Oseki. Exploring spatial and temporal dynamics of language comprehension in the brain with CCG. *CogSci2025*. (*=equal contribution)
5. **Kohei Kajikawa**. Analyzing Japanese Cleft Construction in Combinatory Categorial Grammar. *LENLS2023*.

Invited Articles

1. **Kohei Kajikawa**. Exploring New Frontiers in Computational Psycholinguistics: Testing the Efficient Communication Hypothesis. *Natural Language Processing*, 2025.

Manuscripts and Theses

1. **Kohei Kajikawa** and Shinnosuke Isono. [The Dual Nature of Syntactic Node Count: Facilitating and Inhibiting Sentence Comprehension](#). PsyArXiv preprint, 2026.
2. Shinnosuke Isono, **Kohei Kajikawa**, Yohei Oseki, and Masayuki Asahara. [Modeling memory effects in a head-final language with category locality](#). PsyArXiv preprint, 2025.
3. Kai Nakaishi, Ryo Yoshida, **Kohei Kajikawa**, Koji Hukushima, and Yohei Oseki. [Rethinking the Relationship between the Power Law and Hierarchical Structures](#). arXiv preprint, 2025.
4. **Kohei Kajikawa**. Structure Dependence is Shaped for Efficient Communication. M.A. Thesis, The University of Tokyo, 2025.
5. **Kohei Kajikawa**. Incremental Semantic Composition as Psycholinguistically Plausible Strategy. B.A. Thesis, The University of Tokyo, 2023.

Invited Presentations

Invited Colloquia

- Is Structure Dependence Shaped for Efficient Communication?: A Case Study on Coordination. NLP colloquium. Online, 2025.

Grants and Awards

Awards

Director's Award National Institute for Japanese Language and Linguistics	2025
Young Researcher Encouragement Award National Institute for Japanese Language and Linguistics	2025
Best Paper Award CoNLL 2024	2024

Young Researcher Encouragement Award 2025
The Association for Natural Language Processing Annual Conference (Japan)

Committee Special Award 2024, 2025
The Association for Natural Language Processing Annual Conference (Japan)
Awarded for exceptional research contributions in Japanese NLP (received in consecutive years)

Grants

Travel Grant for Computational Psycholinguistics Meeting 2025 2025
Supported by MultiplEYE COST Action

Travel Grant for Computational Psycholinguistics Meeting 2025 2025
Supported by the Department of Linguistics, Georgetown University

JSPS Research Fellowships for Young Scientists (DC1) 2025–2028
JPY 200K/month + JPY 3.9M (research grant over 3 years)
Declined the fellowship upon accepting an offer to pursue doctoral training abroad.

Research Positions

Research Assistant Georgetown University
Supervisor: Prof. Ethan Gotlieb Wilcox and Prof. Nathan Schneider August 2025 – Present

Research Assistant NINJAL
Supervisor: Prof. Yusuke Kubota May 2025 – August 2025

Research Fellow (DC1) SOKENDAI
Advisor: Prof. Yusuke Kubota April 2025 – August 2025

Technical Staff NINJAL
Supervisor: Prof. Yusuke Kubota June 2023 – May 2025

Teaching Experience

Teaching Assistant The University of Tokyo
Introduction to Natural Language Processing (College of Arts and Sciences) October 2024 – March 2024
Language of Humans and AI (College of Arts and Sciences) April 2024 – September 2024
Linguistics as Cognitive Science (College of Arts and Sciences) April 2023 – September 2023

Reviewer

- CoNLL2025 (outstanding reviewer), LREC2026