

# Nigel Flower

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🌐 [nigelflower.github.io](https://nigelflower.github.io)

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## Education

- 2020–2025 **Ph.D. Linguistics**, *New York University*,  
Committee: Liina Pykkänen (Chair),  
Chris Barker, Alec Marantz, Ailis Cournane, Brian Dillon
- 2018–2020 **M.S. Computer Science**, *University of Illinois at Chicago*,  
Supervisor: Barbara Di Eugenio
- 2012–2017 **B.S. Computer Science**, *University of Illinois at Chicago*,  
Supervisor: Barbara Di Eugenio

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## Research Interests

- Neurobiology of Language    neural bases of referential processing, neural bases of reading, compositional processing, parallel visual presentation, magnetoencephalography
- Theoretical Linguistics    quantifiers, indefinites/definites, dynamic semantics, scope, reconstruction, ellipsis

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## Publications

- 2024 **Flower, N.** & Pykkänen, L. The spatiotemporal dynamics of bottom-up and top-down processing during at-a-glance reading (*Journal of Neuroscience*)
- 2017 Kumar, A., Di Eugenio, B., Aurisano, J., Johnson, A., Alsaiani, A., **Flower, N.**, & Leigh, J. (2017). Towards multimodal coreference resolution for exploratory data visualization dialogue: Context-based annotation and gesture identification. In *The 21st Workshop on the Semantics and Pragmatics of Dialogue (SemDial 2017–SaarDial)* (Vol. 48)

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## Drafts and Manuscripts

- submitted **Flower, N.**, & Pykkänen L. Quantification in the Cortex: Logical Representations in the Left Anterior Temporal Lobe
- in prep **Flower, N.**, & Pykkänen L. Serial and Parallel Combinatorics: An MEG investigation into lexical and compositional processing during parallel presentation
- in prep **Flower, N.**, Lee, S., & Pykkänen L. Considering all the stars visible: Syntactic Processing in the LPTL
- in prep **Flower, N.**, A Witness on the Island: Dynamic Binding with the Witness Bound

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## Conference Talks

- 2024.05 **Flower, N.**, & Pykkänen L. *The influence of top-down grammatical knowledge on the rapid visual perception of full sentences: MEG evidence*. 37th annual conference on Human Sentence Processing (HSP)

2021.12 **Flower, N.** *Reconstruction Effects in Mandarin Relative Clauses*. Talk. SYNC Conference held on Zoom

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## Conference Posters

- 2024.10 **Flower, N.** and & Pykkänen L. *All at once: Semantic Effects of Quantification during Parallel Presentation in MEG*. Poster presented at the 10th Annual Meeting of MACSIM (Mid-Atlantic Colloquium of Studies in Meaning).
- 2023.10 **Flower, N.** and & Pykkänen L. *At-a-glance sentence comprehension: Top-Down Impact of Syntactic Structure in Left Lateral Language Cortex Starting at 270 ms*. Poster presented at the 15th Annual Meeting of the Society for the Neurobiology of Language.
- 2022.10 **Flower, N.**, Lee S. & Pykkänen L. *Considering all the stars visible: MEG correlates of English post-nominal modification*. Poster presented at the 14th Annual Meeting of the Society for the Neurobiology of Language.

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## Invited Talks

2022.11 **Flower, N.**, *Witnesses and Existential Disclosure*. Semantics Group, NYU

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## Teaching

Guest Lecturer

- 2021.10.27 *Language in the Brain*. LING-UA 1: Language (with Anna Szabolcsi)
- 2022.12.07 *Language in the Brain*. LING-UA 3: Language and Mind (with Ailis Cournane and Brian McElree)

Teaching Assistant: NYU

- Spring 2024 LING-UA 43: Neural Bases of Language (with Liina Pykkänen)
- Fall 2023 LING-UA 4: Introduction to Semantics (with Chris Barker)
- Fall 2022 LING-UA 3: Language and Mind (with Ailis Cournane and Brian McElree)
- Fall 2021 LING-UA 1: Language (with Anna Szabolcsi)

Teaching Assistant: UIC

- Fall 2016 CS 301: Languages and Automata (undergraduate TA with John Lillis)

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## Service

- 2021-2022 Treasurer for Linguistic Association of New York University (LANYU)
- 2022-2024 Member of NYU Colloquium Committee

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## Grants, Fellowships, and Awards

- 2020-2025 Henry M. MacCracken Fellowship, NYU

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## Skills

Languages (human) English (native), Mandarin (Fluent), French (highly proficient), Japanese (moderate proficiency), Spanish (working knowledge), Ewe (elicitation), Sinhala (elicitation), Korean (elicitation)

Languages Python, R, C/C++/C#, Java, MATLAB, Haskell, SQL, HTML/CSS/javascript  
(computer)