

Nigel Flower

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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

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

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)

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

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

Conference Posters

- 2025.05 **Flower, N.** and & Pykkänen L. *Cortical representation of quantification: The role of the left anterior temporal lobe*. Poster presented at the 38th Annual Conference on Human Sentence Processing (HSP)
- 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.

Invited Talks

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

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)

Service

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

Grants, Fellowships, and Awards

- 2020-2025 Henry M. MacCracken Fellowship, NYU

Skills

Languages (human)	English (native), Mandarin (Fluent), French (highly proficient), Japanese (moderate proficiency), Spanish (working knowledge), Ewe (elicitation), Sinhala (elicitation), Korean (elicitation)
Languages (computer)	Python, R, C/C++/C#, Java, MATLAB, Haskell, SQL, HTML/CSS/javascript