

EVGENIIA DIACHEK

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EDUCATION

- 2023 **Ph.D. in Psychology**
Vanderbilt University, Nashville TN
- 2020 **M.S. in Psychology**
Vanderbilt University, Nashville TN
- 2017 **M.A. in Applied Linguistics**
University of Massachusetts, Boston MA
- 2015 **B.A. in Linguistics**
Moscow State Pedagogical University, Moscow

RESEARCH EXPERIENCE

- 2018 - The Conversation Lab / Computational Memory Lab / Language Neuroscience Lab
Vanderbilt University / Vanderbilt University Medical Center, Nashville TN
- 2016-2018 Ev Fedorenko's Lab
Massachusetts Institute of Technology, Cambridge MA
- 2016-2017 Harvard Laboratory for Developmental Studies
Harvard University, Cambridge MA

AWARDS / FELLOWSHIPS

- Graduate Assistantship, Department of Applied Linguistics - UMass Boston
- Graduate Honor Fellowship, Vanderbilt University
- Peabody Dean's Fellowship, Vanderbilt University
- The Abby and Jon Winkelried Fellowship, Vanderbilt University

CONFERENCE PRESENTATIONS

Diachek, E., Brown-Schmidt, S., & Polyn, S. A computational model of binary semantic classification. The 61st Annual Meeting of the Psychonomic Society. Online, November 2020.

Diachek, E., & Brown-Schmidt, S. The effect of disfluency on memory for what was said. The 61st Annual Meeting of the Psychonomic Society. Online, November 2020.

Diachek, E., Blank, I., & Fedorenko E. Co-lateralization of linguistic and arithmetic processing to the left hemisphere. The 20th Annual Meeting of the Society for the Neurobiology of Language. Online, October 2020.

Futrell, R., **Diachek, E.**, Syed, N., Gibson, E. & Fedorenko, E. Formal marking is redundant with lexico-semantic cues to meaning in transitive clauses. The 32nd CUNY Conference on Human Sentence Processing. Boulder CO, March 2019.

Diachek, E., Siegelman, M., Blank, I. & Fedorenko, E. The domain general (MD) system does not support core aspects of language comprehension: a large-scale fMRI investigation. The 25th AMLaP Conference Architectures and Mechanisms of Language Processing. Moscow, Russia, September 2019.

Diachek, E. & Brown-Schmidt, S. The effect of disfluency on memory following sentence comprehension. The 33rd CUNY Conference on Human Sentence Processing. Amherst MA, March 2020.

PUBLICATIONS

**equal contributors*

5. **Diachek, E.**, Brown-Schmidt, S., & Polyn, S. (in preparation). A computational model of binary semantic classification.
4. **Diachek, E.**, Blank, I., & Fedorenko E. (in preparation). Co-lateralization of linguistic and arithmetic processing to the left hemisphere.
3. **Diachek, E.**, & Brown-Schmidt, S. (under review). The effect of disfluency on memory for what was said. *Journal of Memory and Language*.
2. **Diachek, E.**, Blank, I., Siegelman, M., Affourtit, J., & Fedorenko, E. (2020). The domain-general multiple demand (MD) network does not support core aspects of language comprehension: a large-scale fMRI investigation. *Journal of Neuroscience*, 40(23), 4536-4550.
1. Mollica, F.*, Siegelman, M.*, **Diachek, E.**, Piantadosi, S. T., Mineroff, Z., Futrell, R., ... & Fedorenko, E. (2020). Composition is the core driver of the language-selective network. *Neurobiology of Language*, 1(1), 104-134.

INVITED TALKS

The role of white matter tracks for language comprehension in the brain (2017). Departmental Round Table at the University of Massachusetts Boston.

SKILLS

Technical: HTML, CSS, PHP

Programming languages: MATLAB, R, Python

Statistical software: R, SPSS, LISREL

Version control: Github

fMRI data acquisition and analysis (SPM, AfNI)

Languages: Russian (native), English (native-level proficiency), Korean (beginner)

PROFESSIONAL DEVELOPMENT

2020

The Fourth Summer School on Statistical Methods for Linguistics and Psychology (Advanced methods in frequentist statistics track).
University of Potsdam, Germany

RESEARCH INTERESTS

Psycholinguistics, cognitive neuroscience of language, semantic memory

MENTORSHIP

The Conversation Lab: Jasmine Aggarwal, Ameenah McKnight, Shijia Huang, Cameryn Murakami, Christina Lee, Kelsey Zhu, Bryant Reynolds

ORGANIZATIONS

Charter member of the Nashville chapter of the Graduate Women in Science (GWIS)