

CURRICULUM VITAE

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POSITIONS:

Massachusetts Institute of Technology
McGovern Institute for Brain Research, Kanwisher Lab
Cambridge, MA
September 2007 – present
Postdoctoral Researcher

EDUCATION:

Massachusetts Institute of Technology
Cambridge, MA
2002-2007, PhD in Cognitive Science
Advisor: Nancy Kanwisher; Committee: David Caplan, John Gabrieli and Ken Wexler
Thesis title: *The nature of the working memory system underlying language processing and its relationship to the long-term memory system.*

Harvard University
Cambridge, MA
1998-2002, AB (Magna Cum Laude) in Linguistics/Psychology
Advisor: Alfonso Caramazza

ACADEMIC HONORS AND FELLOWSHIPS:

Singleton Fellowship (MIT), 2006-2007.

Summer Institute in Cognitive Neuroscience at Dartmouth College, June-July 2006.

Vivian Smith Advanced Studies Institute of the International Neuropsychological Society
Fellowship to attend the Summer Institute in Xylocastro, Greece, 2004.

Presidential Fellowship (MIT), 2002-2003.

JOURNAL PUBLICATIONS:

Frank, M., Gibson, E., Fedorenko, E. & Everett, D. (In press). Number as a cognitive technology: Evidence from Pirahã language and cognition. *Cognition*.

Fedorenko, E., Gibson, E. & Rohde, D. (2007). The Nature of Working Memory in Linguistic, Arithmetic and Spatial Integration Processes. *Journal of Memory and Language*, 56(2).

Fedorenko, E., Gibson, E. & Rohde, D. (2006). The Nature of Working Memory Capacity in Sentence Comprehension: Evidence against Domain Specific Resources. *Journal of Memory and Language*, 54(4).

Costa, A., Kovacic, D., Fedorenko, E. & Caramazza, A. (2003). The Gender Congruency Effect and the Selection of Freestanding and Bound Morphemes: Evidence From Croatian. *Journal of Experimental Psychology: LMC*, Vol. 29(6).

OTHER PUBLICATIONS:

Frank, M., Fedorenko, E. & Gibson, E. (2008). English as a cognitive technology: English-speakers match like Pirahã when you don't let them count. *30th Annual Meeting of Cognitive Science Society Proceedings*.

Fedorenko, E., Gibson, E. & Rohde, D. (2004). Verbal Working Memory in Sentence Comprehension. *26th Annual Meeting of Cognitive Science Society Proceedings*.

Fedorenko, E., Babyonyshev, M. & Gibson, E. (2004). The Nature of Case Interference in Online Sentence Processing in Russian. *NELS 34 Conference Proceedings*.

MANUSCRIPTS IN-PROGRESS:

Submitted / in revision:

Frank, M., Fedorenko, E. & Gibson, E. Assessing the relationship between Pirahã language, cognition, and culture: What's at stake and how to proceed.

Fedorenko, E., Patel, A., Casasanto, D., Winawer, J. & Gibson, E. Structural integration in language and music: Evidence for a shared system.

Fedorenko, E. & Gibson, E. Adding a third wh-element does not increase the acceptability of object-extracted multiple-wh questions.

Fedorenko, E., Tily, H. & Gibson, E. The role of animacy information in the processing of relative clauses: A working-memory perspective.

In preparation:

- Fedorenko, E. & Kanwisher, N. Functional neuroimaging of language: What is wrong with this picture?
- Fedorenko, E. & Gibson, E. Syntactic parallelism as an account of superiority effects: Empirical investigations in English and Russian.
- Fedorenko, E., Cherkasskiy, L., Piantadosi, S., Scholz, J. & Saxe, R. The nature of the speaker's representations of the listener's utterances.
- Fedorenko, E. & Gibson, E. The relationship between syntactic storage and syntactic integration resources.
- Fedorenko, E., Frank, M. & Gibson, E. The interaction of syntactic and lexical information sources in language processing: The case of the noun-verb ambiguity.
- Gibson, E. & Fedorenko, E. The working memory system underlying language processing: A review.
- Gibson, E., Fedorenko, E. & Ishizuka, T. The role of discourse predictability in the processing of subject- and object-extracted relative clauses.
- Fedorenko, E., Frank, M., Everett, D. & Gibson, E. Verbal and spatial short-term memory in an isolated Amazonian tribe.
- Tily, H., Fedorenko, E. & Gibson, E. The relationship between lexical and structural retrieval in sentence comprehension.
- Fedorenko, E., Gibson, E. & Frank, M. The role of semantic predictability in the processing of non-local structural dependencies.
- Levy, R., Fedorenko, E. & Gibson, E. The syntactic complexity of Russian relative clauses.
- Jaeger, F., Fedorenko, E. & Gibson, E. Anti-locality effects in English.
- Fedorenko, E. & Levy, R. The effects of information structure on the processing of non-canonical word orders: Evidence from Russian.
- Fedorenko, E. & Gibson, E. The local component of syntactic expectations: Evidence from the noun-verb ambiguity.

TALKS:

Evelina Fedorenko, Ani Patel, Daniel Casasanto, Jon Winawer & Edward Gibson
Structural integration in language and music: A shared system.
Paper to be presented at Language & Music II Conference, Tufts University, July 2008.

Michael Frank, Evelina Fedorenko, and Edward Gibson
English as a cognitive technology: English-speakers match like Pirahã when you don't let them

count.

Paper to be presented at the Annual Meeting of the Cognitive Science Society, Washington, DC, July 2008.

Evelina Fedorenko, Lillia Cherkasskiy, Steven Piantadosi, Jonathan Scholz, and Rebecca Saxe
The effects of prosody on the listener's representation of the speaker's thoughts.
Experimental and Theoretical Advances in Prosody, Cornell University, April 2008.

Mara Breen, Michael Wagner, Evelina Fedorenko, and Rebecca Saxe
Prosody signals focus location, not focus type.
Experimental and Theoretical Advances in Prosody, Cornell University, April 2008.

Evelina Fedorenko & Edward Gibson
The relationship between lexical and structural retrieval in sentence comprehension.
The 21st CUNY Conference on Human Sentence Processing, UNC Chapel Hill, March 2008.

Florian Jaeger, Evelina Fedorenko, Philip Hofmeister & Edward Gibson
Expectation-based syntactic processing: Anti-locality outside of head-final languages.
The 21st CUNY Conference on Human Sentence Processing, UNC Chapel Hill, March 2008.

Evelina Fedorenko, Ani Patel, Daniel Casasanto, Jon Winawer & Edward Gibson
Structural integration in language and music: A shared system.
The 20th CUNY Conference on Human Sentence Processing, UC San Diego, March 2007.

Roger Levy, Evelina Fedorenko & Edward Gibson
The syntactic complexity of Russian relative clauses.
The 20th CUNY Conference on Human Sentence Processing, UC San Diego, March 2007.

Evelina Fedorenko
Working memory in language processing and other cognitive processes.
A special colloquium, sponsored jointly by the Symbolic Systems Programs, the Department of Linguistics and SPLAT (Speech and Language Tea), Stanford University, March 2006.

Evelina Fedorenko, Edward Gibson & Douglas Rohde
Working memory in sentence processing and beyond.
The 18th CUNY Conference on Human Sentence Processing, University of Arizona, March 2005.

POSTER PRESENTATIONS:

Evelina Fedorenko, Lillia Cherkasskiy, Steven Piantadosi & Rebecca Saxe. "Prosody influences the listener's online representation of the speaker's thoughts."
Poster at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 2008.

Ani Patel, Robert Slevc, Evelina Fedorenko, Daniel Casasanto, Jonathan Winawer, Jason Rosenberg, & Edward Gibson. "Interference between syntactic processing in language and music."
Poster at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 2008.

Evelina Fedorenko, Lillia Cherkasskiy, Steven Piantadosi & Rebecca Saxe. "Prosody influences the listener's online representation of the speaker's thoughts."
Poster at the 21st CUNY Conference on Human Sentence Processing, Chapel Hill, March 2008.

Roger Levy, Edward Gibson & Evelina Fedorenko. "Expectation-based processing of extraposed structures in English."
Poster at the 21st CUNY Conference on Human Sentence Processing, Chapel Hill, March 2008.

Mara Breen, Michael Wagner, Evelina Fedorenko & Edward Gibson. "An empirical investigation of the acoustic features associated with markers of information structure."
Poster at the 21st CUNY Conference on Human Sentence Processing, Chapel Hill, March 2008.

Evelina Fedorenko & Edward Gibson. "A resource-based account of animacy effects in the processing of relative clauses."
Poster at the Interdisciplinary Approaches to Relative Clauses, Cambridge, U.K., Sept. 2007.

Evelina Fedorenko, William Badecker & Edward Gibson. "Syntactic complexity effects in sentence production."
Poster at the 20th CUNY Conference on Human Sentence Processing, San Diego, March 2007.

Evelina Fedorenko & Roger Levy. "Information structure and word order in Russian sentence comprehension."
Poster at the 20th CUNY Conference on Human Sentence Processing, San Diego, March 2007.

Evelina Fedorenko & Edward Gibson. "The interaction of syntactic and lexical information sources in language processing."
Poster at the 20th CUNY Conference on Human Sentence Processing, San Diego, March 2007.

Evelina Fedorenko & Edward Gibson. "A resource-based account of animacy effects in the processing of relative clauses."
Poster at the 20th CUNY Conference on Human Sentence Processing, San Diego, March 2007.

Edward Gibson, Evelina Fedorenko & Tomoko Ishizuka. "The role of discourse-level predictability in sentence comprehension."
Poster at the 20th CUNY Conference on Human Sentence Processing, San Diego, March 2007.

Edward Gibson, Evelina Fedorenko & Mara Breen. "Processing Extraposed Structures in English: Grammatical and Processing Factors."
Poster at the 19th CUNY Conference on Human Sentence Processing, CUNY, March 2006.

Evelina Fedorenko & Edward Gibson. "Independence of Syntactic Storage and Syntactic Integration Resources."
Poster at AMLaP, Gent, Belgium, September 2005.

Evelina Fedorenko & Edward Gibson. "Syntactic Priming in Comprehension."
Poster at the 18th CUNY Conference on Human Sentence Processing, University of Arizona, March 2005.

Adam Szczegieliński, Evelina Fedorenko & Edward Gibson. "Processing VP Ellipsis."
Poster at the 18th CUNY Conference on Human Sentence Processing, University of Arizona,

March 2005.

Florian T. Jaeger, Evelina Fedorenko & Edward Gibson. "Dissociation between comprehension and production complexity."

Poster at the 18th CUNY Conference on Human Sentence Processing, University of Arizona, March 2005.

Evelina Fedorenko & Edward Gibson. "Processing relative clauses in Russian."

Poster at the 3rd Hopkins Workshop on Language (HOWL 3), Johns Hopkins University, January 2005.

Evelina Fedorenko, Edward Gibson & Douglas Rohde. "Verbal Working Memory in Sentence Comprehension."

Poster at the 26th Annual Meeting of the Cognitive Science Society, Chicago, August 2004.

Evelina Fedorenko, Edward Gibson & Maria Babyonyshev. "The Bayesian Basis for Linguistic Expectations in Language Processing."

Poster at the 17th CUNY Conference on Human Sentence Processing, University of Maryland, March 2004.

Evelina Fedorenko, Edward Gibson and Douglas Rohde. "Verbal Working Memory in Sentence Comprehension."

Poster at the 17th CUNY Conference on Human Sentence Processing, University of Maryland, March 2004.

Evelina Fedorenko & Edward Gibson. "Processing Relative Clauses in Russian."

Poster at the 17th CUNY Conference on Human Sentence Processing, University of Maryland, March 2004.

Evelina Fedorenko, Maria Babyonyshev & Edward Gibson. "The Role of Morpho-Syntactic Feature Repetition in Sentence Processing."

Poster at NELS 34, Stony Brook University, November 2003.

TEACHING EXPERIENCE:

Co-Instructor (with Ted Gibson), Linguistics Society of America Summer Institute (Stanford University), "Working memory and informational constraints in language processing", Summer 2007.

Teaching Assistant, Psych 1 (Harvard University), "Introduction to Psychology", Spring 2007.

Teaching Assistant, Science B-62 (Harvard University), "The Human Mind", Spring 2006.

Teaching Assistant, Brain & Cognitive Sciences 9.65 (MIT), "Cognitive Processes", Spring 2006.

Teaching Assistant, Psychology 1 (Harvard University), "Introduction to Psychology", Fall 2005.

Teaching Assistant, Linguistics Society of America Summer Institute (MIT), "Sentence Processing" (Ted Gibson), "Making Syntax of Sense" (Kay Bock), "Semantic Development in First Language Acquisition" (Stephen Crain), "Syntactic Universals" (Martin)

Haspelmath), Summer 2005.

Teaching Assistant, Brain & Cognitive Sciences 9.012 (MIT), “Introduction to Cognitive Science” (graduate-level seminar), Spring 2005.

Teaching Assistant, Brain & Cognitive Sciences 9.59 (MIT), “Psycholinguistics”, Spring 2005.

Teaching Assistant, Linguistics 130 (Harvard University), “Psycholinguistics”, Spring 2005.

Teaching Assistant, Linguistics 88 (Harvard University), “Language and Cognition”, Fall 2004.

Teaching Assistant, Brain & Cognitive Sciences 9.00 (MIT), “Introduction to Psychology”, Fall 2003.

MEMBERSHIPS AND PROFESSIONAL SERVICE:

Sponsored member, American Academy for the Advancement of Science.

Member, Cognitive Neuroscience Society.

Ad-hoc reviewer: Journal of Memory and Language, Language and Cognitive Processes, Cognition, Journal of Experimental Psychology: LMC, Psychonomic Bulletin & Review, Psychological Research, Cerebral Cortex.

LANGUAGES:

Native: Russian. Fluent: English. Reading knowledge: French, Polish, German.

INTERESTS:

The cognitive and the neural architecture of the language system.

The nature of working memory resources in language processing and other cognitive processes.

The neural basis of pitch processing in music.

The extent of domain-specificity of various cognitive processes.