Masha (Maryia) Fedzechkina

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University of Arizona
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ACADEMIC POSITIONS

2016 - present	**Assistant professor** Department of Linguistics, Graduate Interdisciplinary Program in Cognitive Science, Graduate Interdisciplinary Program in Second Language Acquisition and Teaching, University of Arizona
2014 - 2016	**Postdoctoral researcher** Department of Psychology, University of Pennsylvania
2006 - 2009	**Research assistant** Linguistic Data Processing, University of Cologne

EDUCATION

2014	**University of Rochester**, Rochester, NY Ph.D., Brain & Cognitive Sciences *Dissertation*: Communicative efficiency, language learning, and language universals
2012	**University of Rochester**, Rochester, NY M.A., Brain & Cognitive Sciences
2011	**LSA summer institute**, University of Colorado at Boulder, Boulder, CO
2009	**University of Cologne**, Cologne, Germany M.A., Linguistic Data Processing, English, & Phonetics
2007	**Minsk State Linguistic University**, Minsk, Belarus B.A., English & German

PUBLICATIONS

Roberts, G. & **Fedzechkina, M.** (submitted). Social biases modulate the loss of redundant forms in the cultural evolution of language.

Fedzechkina, M., Chu, B., Jaeger, T. F. (in revision). Human information processing shapes language change. *Psychological Science.*

Fedzechkina, M., Newport, E., Jaeger, T. F. (2016). Balancing effort and information transmission during language acquisition: Evidence from word order and case-marking. *Cognitive Science.*

Fedzechkina, M., Newport, E., Jaeger, T. F. (2016) The miniature artificial language learning paradigm as a complement to typological data. In Ortega, L., Tyler, A., Park, H. I., Uno, M. (Eds.), *The Usage-based Study of Language Learning and Multilingualism.* Georgetown: GUP.

Fedzechkina, M., Jaeger, T. F., Trueswell, J.C. (2015). Production is biased to provide informative cues early: Evidence from miniature artificial languages. *Proceedings of the 37th Annual Conference of the Cognitive Science Society.*

Fedzechkina, M., Jaeger, T. F., Newport, E. (2013). Communicative biases shape structures of newly acquired languages. *Proceedings of the 35th Annual Conference of the Cognitive Science Society.*

Fedzechkina, M., Jaeger, T. F., Newport, E. (2012). Language learners restructure their input to facilitate efficient communication. *Proceedings of the National Academy of Sciences, 109(44): 17897-17902.*

Fedzechkina, M., Jaeger, T. F., Newport, E. (2011). Functional biases in language learning: Evidence from word order and case-marking interaction. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society.*

MANUSCRIPTS IN PREPARATION

Fedzechkina, M. & Jaeger, T. F. (in prep). Effort vs. robust information transmission in language change.

Martin, J. R., **Fedzechkina, M.**, Pajak, B. & Jaeger, T. F. (in prep). L1 distance effects on L2 word order acquisition: A miniature language study.

Fedzechkina, M., Jaeger, T. F., & Trueswell, J. (in prep). Producing informative cues early: A miniature language study.

INVITED TALKS

2017. Processing preferences shape language structure and language change. 30th Annual CUNY Conference on Human Sentence Processing, MIT, Cambridge, March 30-April 1. **[keynote speaker]**

2017. Processing and communication shape language learning and structure. Cognitive Science Seminar, Program in Cognitive Science, University of Arizona, Tucson, AZ, February 10.

2016. Processing and communication shape language learning and structure. Invited symposium at 41st Annual Meeting of the Boston University Conference on Language Development, Boston, MA, November 6.

2016. Learners' biases as a cause for cross-linguistic generalizations: Processing and communication shape language learning and structure. Department of Linguistics, University of Arizona, Tucson, AZ, March, 8.

2016. Learners' biases as a cause for cross-linguistic generalizations: Processing and communication shape language learning and structure. Department of Linguistics, University of California, San Diego, San Diego, CA, February, 22.

2014. Communication shapes structures of newly acquired languages. Department of Linguistics, University at Buffalo -- SUNY, Buffalo, NY, January 27.

2013. Learners' communicative preferences shape structures of newly acquired languages. Language and Cognition Lab, Department of Psychology, Stanford University, Palo Alto, CA, November 18.

2013. Learners' communicative preferences shape structures of newly acquired languages. Language Development and Language Processing Lab, Department of Psychology, University of Pennsylvania, Philadelphia, PA, May 15.

2011. Are there functional biases in language acquisition? Cognitive and Computational Approaches to Language Group, Department of Linguistics, The Ohio State University, Columbus, OH, January 10.

CONFERENCE PRESENTATIONS
TALKS THAT LEAD TO PROCEEDINGS PAPERS MENTIONED ABOVE ARE NOT INCLUDED BELOW

Fedzechkina, M., Chu, B., & Jaeger, T. F. (2017). Learners' processing preferences explain cross-linguistic word order variation. Georgetown University Round Table on Languages and Linguistics 2017, Washington, DC, March 10-12, 2017.

Roberts, G. & **Fedzechkina, M.** (2017). The effect of social biases on retention of redundant variation: An artificial language study. Georgetown University Round Table on Languages and Linguistics 2017, Washington, DC, March 10-12, 2017.

Fedzechkina, M. & Jaeger, T. F. (2017). Trade-off between effort and robust information transmission in cross-linguistic morphosyntax. Georgetown University Round Table on Languages and Linguistics 2017, Washington, DC, March 10-12, 2017.

Fedzechkina, M. (2016). Learners' biases as a cause for cross-linguistic generalizations. 7th Annual ASUofA Cognitive Science Conclave, Tempe, AZ, December 10, 2016.

Jaeger, T. F. & **Fedzechkina, M.** (2016). Effort vs. robust information transmission in language evolution. 11th International Conference on the Evolution of Language, New Orleans, MS, March 21-24.

Fedzechkina, M., Chu, B., Jaeger, T. F., & Trueswell, J. (2016). Processing preferences shape language change. 11th International Conference on the Evolution of Language, New Orleans, MS, March 21-24.

Roberts, G. & **Fedzechkina, M.** (2016). Social biases vs. efficient communication: An iterated-learning study. 11th International Conference on the Evolution of Language, New Orleans, MS, March 21-24.

Fedzechkina, M., Jaeger, T. F., Trueswell, J.C. (2015). Processing biases in learning shape cross-linguistically frequent structures. 40th Annual Meeting of the Boston University Conference on Language Development, Boston, MA, November 13-15.

Roberts, G. & **Fedzechkina, M.** (2015). Population structure, social bias, and efficiency: An iterated-learning study. 13th International Cognitive Linguistics Conference, Newcastle, UK, July 20-25.

Fedzechkina, M., Newport, E., Jaeger, T. F. (2014). The miniature artificial language learning paradigm as a complement to typological data. Georgetown University Round Table on Languages and Linguistics 2014, Washington, DC, March 14-16, 2014.

Fedzechkina, M., Newport, E., Jaeger, T. F. (2014). Functional biases in acquisition shape cross-linguistically frequent structures. Georgetown University Round Table on Languages and Linguistics 2014, Washington, DC, March 14-16.

Jaeger, T. F., **Fedzechkina, M.**, Kurumada, C., Newport, E. (2012). Confusability reduction in production and acquisition. DGfS 2012 workshop 'Information Density and Linguistic Variation', Frankfurt, Germany, March 9.

CONFERENCE POSTERS

Fedzechkina, M., Jaeger, T. F., Trueswell, J. (2015). Producing informative cues early: Evidence from a miniature artificial language. 28th Annual CUNY Conference on Human Sentence Processing, Los Angeles, CA, March 19-21.

Fedzechkina, M., Chu, B., Jaeger, T. F. (2015). 'Long before short' preference in a head-final artificial language: In support of dependency minimization accounts. 28th Annual CUNY Conference on Human Sentence Processing, Los Angeles, CA, March 19-21.

Fedzechkina, M., Newport, E., Jaeger, T. F. (2014). Trading off robust information transmission in language learning and language structure. 39th Annual Meeting of the Boston University Conference on Language Development, Boston, MA, November 7-9.

Fedzechkina, M., Newport, E., Jaeger, T. F. (2014). Language processing shapes language change: Redundant cues are less likely to be maintained in language. 27th Annual CUNY Conference on Human Sentence Processing, Columbus, OH, March 13-15.

Fedzechkina, M., Jaeger, T. F., Newport, E. (2011). Functional biases in acquisition: Language learners restructure the input to avoid uncertainty. 36th Annual Meeting of the Boston University Conference on Language Development, Boston, MA, November 4-6.

Fedzechkina, M., Jaeger, T. F., Newport, E. (2011). Functional biases in (artificial) language learning. 24th Annual CUNY Conference on Human Sentence Processing, Stanford, CA, March 24-26.

Fedzechkina, M., Jaeger, T. F., Newport, E. (2011). Word order and case-marking in language acquisition and processing. 85th Annual Meeting of the Linguistic Society of America, Pittsburgh, PA, January 6-9. [designated particularly media-worthy]

TEACHING

University of Arizona:

Linguistics 341: Language Development (x2)
    Fall, 2016, Spring, 2017

Linguistics 432: Psychology of Language
    Fall, 2016

University of Rochester:

BCS 259: Language Development (teaching assistant) (x2)
    Spring 2010, Spring 2013

BCS 152: Language and Psycholinguistics (teaching assistant) (x2)
    Fall 2010, Fall 2011

STUDENT MENTORSHIP

Graduate student supervision, University of Arizona:
- Jaycie Martin

Graduate research assistants, University of Arizona:
- Jaycie Martin, Fall 2016 – present
- Noah Nelson, Spring 2016 – present
- Florian Hafner, Fall 2016

Undergraduate research assistants, University of Pennsylvania:
- Anton Relin, Fall 2015 – Spring 2016
- Logan Castrucci, Fall 2015 – Spring 2016
- Emily Eck, Summer 2015 – Fall 2015
- Ivy Gregory, Spring 2015
- Barry Oshiba, Fall 2014
- Juan Padilla, Fall 2014 - Spring 2015

Undergraduate research assistants, University of Rochester:
- Madeline Clark, Spring 2015 - Spring 2016
- Becky Chu, Spring 2014 – Spring 2016
- Patrick Davis, Summer 2013
- Suzanne Blackley, Spring 2013 - Spring 2014
- Shreya Krishnan, Summer 2012, Spring 2013, Fall 2013 - Spring 2014
- Erica Williams, Spring 2013, Fall 2013 - Spring 2014
- Kate Heffernan, Spring 2013
- Meghan Hennessy, Spring 2013

- Christopher Anzalone, Fall 2012
- Elisa Hoyos, Fall 2012
- Rachel Aronovitz, Fall 2012
- Cynthia Orr, Fall 2012
- Theodore Lincoln, Summer 2012
- Greta Smith, Fall 2012 - Spring 2013
- Tara Stanley, Fall 2011 - Summer 2013
- Vivian Choi, Fall 2010 - Spring 2011
- Keryn Bernstein, Fall 2010 - Spring 2011
- Colleen Dolan, Summer 2010, Fall 2011 - Spring 2012
- Rebecca Glass, Summer 2010

Independent study students, University of Arizona:

- Louis Edward Gallegos, Spring 2017. Topic: 'Web-based methods for cross-linguistic data elicitation'.

Independent study students, University of Rochester:

- Madeline Clark, Summer 2017. Topic: 'Cross-linguistic transfer in L2 morphology learning'.
- Becky Chu, Summer 2014. Topic: 'First and second language influences on the acquisition of case-marking in the third language'.
- Suzanne Blackley, Summer 2013 - Summer 2014. Topic: 'Communicative influences on the acquisition of optional case systems: A partner study using miniature artificial languages'.
- Delarom Menhaj, Spring 2013. Topic: 'The role of language experience in morphological acquisition'.
- Eric Partridge, Spring, 2012. Topic: 'Production strategies in two-word stage children'.
- Shreya Krishnan, Spring, 2012. Topic: 'Production strategies in two-word stage children'.
- Tara Stanley, Spring 2011. Topic: 'Functional biases in language acquisition'.
- Colleen Dolan, Spring 2010. Topic: 'Processing influences on word order acquisition'.
- Rebecca Glass, Spring 2010. Topic: 'Processing influences on word order acquisition'.

PROFESSIONAL SERVICE

Reviewing:

- **Ad-hoc journal reviewer**: Psychological Science; Journal of Memory and Language; Cognition; Language, Learning, & Development; Language, Cognition, & Neuroscience; Wiley Interdisciplinary Reviews: Cognitive Science; Frontiers in Psychology; Applied Psycholinguistics; Open Mind

- **Conference reviewer:** Cognitive Science Society Conference; Evolution of Language International Conference (EvoLang); CUNY Conference on Human Sentence Processing

- **Grant reviewer:** NSF

University of Arizona service:

Human Subjects Committee, Department of Linguistics   Fall 2016-present

Colloquium Organizer, Department of Linguistics   Summer 2017-present

MEDIA COVERAGE

Fedzechkina, M., Jaeger, T. F., Newport, E. (2012). Language learners restructure their input to facilitate efficient communication. *Proceedings of the National Academy of Sciences, 109(44): 17897-17902.*

Reported in: Psychology Today, Academic Minute, Sceptic's Guide to the Universe, ScienceOmega, Rochester Review, Futurity, Phys.org, ScienceBlog, Science Daily, E-Science News, Sify News, ThruthDrive, BioSpace.

SCHOLARSHIPS AND AWARDS

2011	**Paula Menyuk travel award** for BUCLD 2011
2011	**LSA summer institute** fellowship
2007—2009	**Koelner Gymnasial- und Stiftungsfonds**, Cologne, Germany Scholarship for academic excellence
2007	**University of Cologne**, Cologne, Germany Tuition waver
2000—2004	**Minsk State Linguistic University**, Minsk, Belarus Scholarship for academic excellence

LANGUAGES

Belarusian (native)
Russian (native)
English (fluent)
German (fluent)
Italian (intermediate)

Tucson, AZ
June 27, 2017