Pamela **Fuhrmeister**

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Education

University of Connecticut   *Connecticut, USA*

Ph.D., Speech, Language, and Hearing Sciences   *2020*

- Dissertation title: Neural correlates of native-language speech perception and non-native speech sound learning
- Certificate: Neurobiology of Language
- Advisor: Prof. Dr. Emily Myers

Texas Tech University   *Texas, USA*

M.A., Applied Linguistics   *2011*

Texas Tech University   *Texas, USA*

B.A., German, Music   *2009*

Professional experience

Universität Potsdam   *Potsdam, Germany*

Postdoctoral researcher   *July 2020 - Present*

University of Connecticut   *Connecticut, USA*

Graduate research & teaching assistant   *August 2015 - July 2020*

Publications

1.   Fuhrmeister, P., & Bürki, A. (2022). Distributional properties of semantic interference in picture naming: Bayesian meta-analyses. *Psychonomic Bulletin & Review*, *29*(2), 635–647.

2.   Fuhrmeister, P., Madec, S., Lorenz, A., Elbuy, S., & Bürki, A. (2022). Behavioural and EEG evidence for inter-individual variability in late encoding stages of word production. *Language, Cognition and Neuroscience*, 1–23.

3.   Fuhrmeister, P., & Myers, E. B. (2022). Structural variation in the temporal lobe predicts learning and retention of non-native speech sounds. *Language, Cognition and Neuroscience*, *37*(1), 63–79.

4.   Heffner, C. C., Fuhrmeister, P., Luthra, S., Mechtenberg, H., Saltzman, D., & Myers, E. B. (2022). Reliability and validity for perceptual flexibility in speech. *Brain and Language*, *226*, 105070.

5.   Fuhrmeister, P. (2021). Examining group differences in between-participant variability in non-native speech sound learning. *Attention, Perception, & Psychophysics*, *83*(5), 1935–1941.

6.   Fuhrmeister, P., & Myers, E. B. (2021). Structural neural correlates of individual differences in categorical perception. *Brain and Language*, *215*, 104919.

7.   Fuhrmeister, P., & Myers, E. B. (2020). Desirable and undesirable difficulties: Influences of variability, training schedule, and aptitude on nonnative phonetic learning. *Attention, Perception, & Psychophysics*, *82*(4), 2049–2065.

8.   Fuhrmeister, P., Schlemmer, B., & Myers, E. B. (2020). Adults show initial advantages over children in learning difficult nonnative speech sounds. *Journal of Speech, Language, and Hearing Research*, *63*(8), 2667–2679.

9.   Fuhrmeister, P., Smith, G., & Myers, E. B. (2020). Overlearning of non-native speech sounds does not result in superior consolidation after a period of sleep. *The Journal of the Acoustical Society of America*, *147*(3), EL289–EL294.

10.   Fuhrmeister, P. (2019). Interference in memory consolidation of non-native speech sounds. *Speech Production and Perception: Learning and Memory*, 207–243.

11.   Luthra, S., Fuhrmeister, P., Molfese, P. J., Guediche, S., Blumstein, S. E., & Myers, E. B. (2019). Brain-behavior relationships in incidental learning of non-native phonetic categories. *Brain and Language*, *198*, 104692.

12.   Fuhrmeister, P., & Myers, E. B. (2017). Non-native phonetic learning is destabilized by exposure to phonological variability before and after training. *The Journal of the Acoustical Society of America*, *142*(5), EL448–EL454.

Grants and awards

2020	Finalist, Isabelle Y. Liberman Award	*$1,250*
2019	University of Connecticut Doctoral Dissertation Fellowship	*$2,000*
2018	Recognition of teaching excellence, Provost's office, University of Connecticut	
2018	National Science Foundation Research Traineeship Fellowship (1 year), University of Connecticut, Science of Learning and Art of Communication	*$34,000*
2018	Summer Fellowship, Connecticut Institute for the Brain and Cognitive Sciences	*$5,000*
2016	NSF IGERT Innovation Incentive Grant	*$2,030*
2015	NSF IGERT Innovation Incentive Grant	*$2,500*
2015	National Science Foundation IGERT Fellowship (2 years), University of Connecticut, IGERT: Language Plasticity – Genes, Brain, Cognition, and Computation	*$60,000*

Recent conference presentations or invited talks

1. Fuhrmeister, P. (2020, February). *Learning, memory, and individual differences in non-native speech sound learning in children and adults*. Invited talk in the language acquisition colloquium at Universität Potsdam, Potsdam, Germany.

2. Fuhrmeister, P., & Myers, E. B. (2019, August). *Structural neural correlates of native-language speech perception and non-native speech sound learning*. Poster presented at the 2019 meeting of the Society for the Neurobiology of Language, Helsinki, Finland.

3. Fuhrmeister, P. (2018, November). *Einflüsse von Schlaf und Variabilität auf das Lernen von neuen Phonemen in einer Fremdsprache*. Invited talk at the colloquium for corpus linguistics and phonetics at the Humboldt Universität zu Berlin, Berlin, Germany.

4. Fuhrmeister, P., & Myers, E. B. (2018, November). *Helping the rich get richer: Aptitude and challenging learning conditions facilitate overnight improvement of non-native phonetic learning*. Poster presented at the 2018 meeting of the Psychonomic society, New Orleans, Louisiana, USA.

5. Fuhrmeister, P., Myers, E. B., Bowles, A., & Harper, D. (2018, October). *Memory consolidation in learning L2 speech contrasts*. Talk given at the 37th Second Language Research Forum, Montreal, Quebec, Canada.

6. Luthra, S., Fuhrmeister, P., Molfese, P. J., Guediche, S., Blumstein, S. E., & Myers, E. B. (2017, November). *Brain-behavior relationships in implicit learning of non-native phonetic categories*. Poster presented at the 2017 meeting of the Society for the Neurobiology of Language, Baltimore, Maryland, USA.

7. Fuhrmeister, P., & Myers, E. B. (2017, June). *Perception of native language speech sounds does not predict non-native speech sound learning*. Poster presented at the June 2017 meeting of the Acoustical Society of America, Boston, Massachusetts, USA.

8. Fuhrmeister, P. (2017, January). *The role of native language interference in perceptual learning of non-native speech sounds*. Talk given at the 5th International Winter School Speech Perception and Production: Learning and Memory, Chorin, Germany.

9. Luthra, S., Fuhrmeister, P., Guediche, S., Blumstein, S. E., & Myers, E. B. (2016, November). *Neural Correlates of Task-Irrelevant Perceptual Learning of Non-Native Speech Sounds*. Poster presented at the November 2016 meeting of the Psychonomic Society, Boston, Massachusetts, USA.

10. Fuhrmeister, P., Earle, F. S., Rueckl, J., & Myers, E. B. (2016, May). *Visual and auditory native language interference in perceptual learning of non-native speech sounds*. Poster presented at the May 2016 meeting of the Acoustical Society of America, Salt Lake City, Utah, USA.

Professional development

Fifth Summer School on Statistical Methods for Linguistics and Psychology	*Universität Potsdam*
INTRODUCTION TO BAYESIAN DATA ANALYSIS	*2021-09*
Diversity Woche	*Universität Potsdam*
CRITICAL WHITENESS - WAS RASSISMUS MIT MIR ZU TUN HAT - EIN EINFÜHRUNGSWORKSHOP IN RASSISMUSKRITISCHES DENKEN UND HANDELN	*2021-12*
Hochschule & Intersektionalität	*Ruhr-Universität Bochum*
KLASSISMUS AN DER HOCHSCHULE: DISKRIMINIERUNG AUFGRUND DER SOZIALEN HERKUNFT	*2022-01*

Service

Initiatives

Women in Research (WiR)   *University of Potsdam*

Co-founder

- Initiative founded within the collaborative research center 1287 to support young women researchers

Ad hoc reviewer

- Journal of Experimental Psychology: Language, Memory, and Cognition
- Psychonomic Bulletin and Review
- Journal of Phonetics
- Applied Psycholinguistics
- The Journal of the Acoustical Society of America
- Brain and Language
- PeerJ
- NPJ Science of Learning
- Journal of Speech, Language, and Hearing Research

Teaching and mentoring

Instructor of record

Introduction to phonetic principles   *Spring semester 2018*

University of Connecticut

Englisch für akademische Zwecke: Integrativer Vorkurs I   *Summer semester 2012*

Universität Potsdam

Englisch für akademische Zwecke: Integrativer Vorkurs II   *Summer semester 2012*

Universität Potsdam

Beginning German I: Comprehensive 1st Year Review   *Spring semester 2011*

Texas Tech University

Beginning German I: Comprehensive 1st Year Review   *Fall semester 2010*

Texas Tech University

Teaching assistantships

Intermediate German II   *Spring semester 2010*

Texas Tech University

Intermediate German I   *Fall semester 2009*

Texas Tech University

Guest lectures

Course: Brain and Language   *2020-07*

Universität Potsdam

Course: Statistical data analysis II   *2020-07*

Universität Potsdam

Mentoring

I have mentored over 20 undergraduate or master's students in a research lab (many women and some who belong to groups historically underserved in the scientific community) and supervised them during experiment design, data collection, and preparation of poster/oral presentations.

Skills

R programming and statistics: frequentist and Bayesian statistical analyses (e.g., generalized linear and non-linear mixed effects models using nlme, lme4, and brms; exploratory and confirmatory factor analysis; cluster analysis; Bayesian meta-analyses); data wrangling and visualization using tidyverse and ggplot2

Brain imaging software: Freesurfer, AFNI

Praat for acoustic analysis of speech

Experiment presentation software: E-Prime, OpenSesame, PsychoPy

Languages: English (native), German (fluent)