

# Lauryn Zipse, Ph.D., CCC-SLP

## Education

- 2008                      Ph.D., Speech and Hearing  
Harvard-MIT Division of Health Sciences and Technology  
Thesis Title: *A MEG Investigation of Lexical Access in Aphasia*
- 2003-2006                Communication Sciences and Disorders clinical coursework  
MGH Institute of Health Professions  
Graduate Program in Communication Sciences and Disorders
- 1999                      A.B., Psychology modified with Biology  
Minor, German Studies  
Dartmouth College, Hanover, NH

## Professional Experience

- 2015-present            Associate Professor  
MGH Institute of Health Professions  
Charlestown, MA
- 2009-2015              Assistant Professor  
MGH Institute of Health Professions  
Charlestown, MA
- 2008-2009              Research/Clinical Fellow  
Music and Neuroimaging Laboratory  
Beth Israel Deaconess Medical Center  
Boston, MA
- 2007-2009              Instructor  
MGH Institute of Health Professions  
Charlestown, MA
- 2001-2002              High School Math Teacher  
The Arlington School, McLean Hospital  
Belmont, MA
- 2000-2001              Research Assistant  
Genetics Laboratory, McLean Hospital  
Belmont, MA
- 1998-1999              Research Assistant  
Behavioral Neuroscience Laboratory, Dartmouth College  
Hanover, NH

## **Awards, Honors, and Fellowships**

January 2016	Training in Grantsmanship for Rehabilitation Research (TIGRR) participant
May 2015	Faculty Award for Teaching Excellence MGH Institute Department of Communication Sciences and Disorders
May 2012	Faculty Award for Teaching Excellence MGH Institute Department of Communication Sciences and Disorders
April 2011	ASHA Lessons for Success Conference Fellow
July 2009	ASHA Clinical Practice Research Institute Participant
June 2009	Organization for Human Brain Mapping Trainee Abstract Travel Award
May 2007	Kenneth N. Stevens Student Research Award MGH Institute of Health Professions
2002-2005	National Science Foundation Graduate Research Fellowship
1999-2000	Fulbright Teaching Assistant Ernst-Barlach-Gymnasium Rostock, Germany
1999	Phi Beta Kappa and Summa Cum Laude Dartmouth College

## **Grants Awarded**

2021 - 2024	NIDCD R15 <i>Say it with me: The effects of unison production on speech fluency in people with aphasia</i> Role: Principal Investigator Amount: \$300,000
June 2018	MGH IHP Faculty Fellowship Grant <i>Speaking Along: The Effects of Speech Entrainment in People with Aphasia</i> Role: Principal Investigator Amount: \$10,000
November 2017	ASHFoundation New Century Scholars Research Grant <i>A Neurophysiological Examination of Feedback-Based Learning in Severe Traumatic Brain Injury</i> Role: Principal Investigator Amount: \$25,000
November 2010	ASHFoundation New Investigator Grant <i>Investigation of Rhythmic Processing in Aphasia</i> Role: Principal Investigator Amount: \$10,000

June 2010

MGH IHP Faculty Fellowship Grant  
*Investigation of Rhythmic Processing in Aphasia*  
Role: Principal Investigator  
Amount: \$10,000

## Publications

Kershenbaum, A. K.,\* Galassi, M.,\* Shattuck-Hufnagel, S., Bachan, S.,\* & Zipse, L. (In review.)  
The effect of prosodic timing structure on unison production in people with aphasia.

Tilton-Bolowsky, V. E.,\* Davis, A. S., & **Zipse, L.** (2022). Mapping meta-therapy onto the treatment of cognitive-communication and language disorders in adults. *Perspectives*. Advance online publication. doi: 10.1044/2022\_PERSP-22-00072

Quique, Y. M.,\* Evans, W. S., Ortega-Llebaría, M., **Zipse, L.**, & Dickey, M. W. (2022). Get in sync: Active ingredients and patient profiles in scripted-sentence learning in Spanish speakers with aphasia. *Journal of Speech, Language, and Hearing Research*, 65(4), 1478-1493. doi: 10.1044/2021\_JSLHR-21-00060

Curtis, S.,\* Nicholas, M. L., Pittmann, R., & **Zipse, L.** (2020). Tap your hand if you feel the beat: differential effects of tapping in melodic intonation therapy. *Aphasiology*, 34(5), 580-602. doi: 10.1080/02687038.2019.1621983

Nicholas, M., Jennelle, L.,\* Tabor Connor, L., Haynes, C., & **Zipse, L.** (2020). Do caregiver proxy reports and congruence of client-proxy activity participation goals relate to quality of life in people with aphasia? *International of Language and Communication Disorders*, 55(3), 373-386. doi: 10.1111/1460-6984.12524

Kershenbaum, A.,\* Nicholas, M. L., Hunsaker, E., & **Zipse, L.** (2019). Speak along without the song: What promotes fluency in people with aphasia? *Aphasiology*, 33(4), 405-428. doi: 10.1080/02687038.2017.1413487

Adessa, M.,\* Stadelman-Cohen, T., **Zipse, L.**, Guarino, A. J., & Heaton, J. T. (2018). Factors affecting voice therapy completion in singers. *Journal of Voice*, 32(5), 564-571. doi: 10.1016/j.jvoice.2017.06.021

Murton, O.,\* **Zipse, L.**, Jacoby, N., & Shattuck-Hufnagel, S. (2017). Repetition and a beat-based timing framework: What determines the duration of intervals between repetitions of a tapped pattern? *Timing & Time Perception*, 5, 244-259.

Berkowitz, A.,\* Nicholas, M., Pennington, S., Haynes, C., **Zipse, L.** (2015). Cueing spoken naming using self-generated written cues: An articulatory approach. *Ohio Speech-Language Hearing Association eHEARSAY*, 1(5), 144-153.

**Zipse, L.**, Worek, A.,\* Guarino, A. J., & Shattuck-Hufnagel, S. (2014). Tapped out: Do people with aphasia have rhythmic processing deficits? *Journal of Speech, Language, and Hearing Research*, 57(6), 2234-2245.

Hendricks, C. T.,\* Nicholas, M. L., & **Zipse, L.** (2014). Effects of phonological neighbourhood on the treatment of naming in aphasia. *Aphasiology*, 28(3), 338-358.

Halvorson-Bourgeois, B., **Zipse, L.**, & Haynes, C. (2013). Educating culturally competent clinicians: using multiple perspectives to review curriculum content. *Perspectives on Issues in Higher Education*, 16, 51-62.

**Zipse, L.**, Norton, A., Marchina, S., & Schlaug, G. (2012). When right is all that's left: plasticity of right-hemisphere tracts in a young aphasic patient. *Annals of the New York Academy of Sciences*, 1252(1), 237-245.

**Zipse, L.**, Kearns, K., Nicholas, M., and Marantz, A. (2011). A MEG investigation of single-word auditory comprehension in aphasia. *Journal of Speech, Language, and Hearing Research*, 54(6), 1577-1596.

Marchina, S., Zhu, L. L., Norton, A., **Zipse, L.**, Wan, C. Y., & Schlaug, G. (2011). Impairment of speech production predicted by lesion load of the left arcuate fasciculus. *Stroke*, 42(8), 2251-2256.

Wan, C. Y., Bazen, L., Baars, R., Libenson, A., **Zipse, L.**, Zuk, J., Norton, A., & Schlaug, G. (2011). Auditory-motor mapping training as an intervention to facilitate speech output in nonverbal children with autism: a proof of concept study. *PLoS One*, 6(9), e25505.

Schlaug, G., Norton, A., Marchina, S., **Zipse, L.**, and Wan, C. Y. (2010). From singing to speaking: facilitating recovery from nonfluent aphasia. *Future Neurology*, 5(5), 657-665.

Wan, C. Y., Demaine, K., **Zipse, L.**, Norton, A., & Schlaug, G. (2010). From music making to speaking: engaging the mirror neuron system in autism. *Brain Research Bulletin*, 82(3-4), 161-168.

Norton, A., **Zipse, L.**, Marchina, S., & Schlaug, G. (2009). Melodic Intonation Therapy: Shared Insights on How It Is Done and Why It Might Help. *Annals of the New York Academy of Sciences*, 1169, 431-436.

**Zipse, L. R.**, Brandling-Bennett, E. M., & Clark, A. S. (2000). Paced mating behavior in the naturally cycling and the hormone treated female rat. *Physiology and Behavior*, 70, 205-9.

\*indicates a student

## Posters and Presentations

Nantanukul, K.,\* **Zipse, L.**, Haynes, C., Adessa, M., & Jitwiriyant, S. (2022). *Preliminary validation of the Trans Woman Voice Questionnaire (TWVQ) in Thai*. Platform presentation at the Voice Foundation symposium, Philadelphia, PA.

Kershenbaum, A.,\* Shattuck-Hufnagel, S., & **Zipse, L.** (2022). The effect of prosodic structure on speech production in people with aphasia: A pilot investigation. Poster presentation at the Clinical Aphasiology Conference, Wrightsville Beach, NC.

Tilton-Bolowsky, V. E.,\* Nunn, K.,\* & **Zipse, L.** (2022). Performance discrepancies on adult language assessments: Barriers to examining the racial and ethnic diversity of validation samples. Poster presentation at the Clinical Aphasiology Conference, Wrightsville Beach, NC.

**Zipse, L.** (2021). *Evaluating and treating reading disorders: a model-based approach*. Invited talk, Spaulding Rehabilitation Network SLP Education Meeting, Boston, MA.

Bachan, S.,\* Canta, A.,\* & **Zipse, L.** (2021). *Effects of unison production on sound distortions in people with aphasia*. Poster presentation at the ASHA Convention, Washington, D.C.

Metrano, A., Nicholas, A., Vallila Rohter, S., **Zipse, L.**, & Pennington, S. (2021). *Understanding event processing in people with aphasia*. Poster presentation at the ASHA Convention, Washington, D.C.

Nantanukul, K.,\* **Zipse, L.**, Haynes, C., & Adessa, M. (2021). *Systematic translation and cross-cultural adaptation of the Trans Woman Voice Questionnaire (TWVQ) in Thai*. Poster presentation at the ASHA Convention, Washington, D.C.

**Zipse, L.** (2020). *Music-based therapies for aphasia: ingredients that work*. Invited talk, Adler Aphasia Conversation Group, Haddonfield, NJ.

Quique, Y. M.,\* Evans, W. S., **Zipse, L.**, & Dickey, M. W. (2020). *Get in sync: rhythm in speech entrainment as a mechanism for scripted-sentence learning in aphasia*. Poster presented at the annual meeting of the Academy of Aphasia, virtual meeting.

Mangione, C.,\* Meredith, G.,\* Kenworthy, J.,\* Arbel, Y., & **Zipse, L.** (2020). *How does feedback processing affect learning in people with traumatic brain injury?* Poster presentation at the annual meeting of the Cognitive Neuroscience Society, virtual meeting.

Galassi, M.,\* Reid, A.,\* & **Zipse, L.** (2019). *Speaking together: Metrical vs. conversational speech in people with aphasia*. Poster presentation at the ASHA Convention, Orlando, FL.

Meredith, G.,\* Kenworthy, J.,\* Arbel, Y., & **Zipse, L.** (2019). *Working memory's relationship with feedback processing in individuals with traumatic brain injury: An electrophysiological study*. Poster presentation at the ASHA Convention, Orlando, FL.

**Zipse, L.**, & Shattuck-Hufnagel, S. (2019). *Explorations of rhythm and timing*. Invited talk, Sinha Lab, MIT, Cambridge, MA.

**Zipse, L.** (2018). *Moving along: Rhythm and entrainment in people with aphasia*. Platform presentation at the ASHA Convention, Boston, MA.

Czupryna, B.,\* **Zipse, L.**, Nicholas, M., & Vallila-Rohter, S. (2018). *Investigating attentional allocation with eye tracking during category learning in people with aphasia*. Poster presentation at the ASHA Convention, Boston, MA.

Wilner, A.,\* Nicholas, M., **Zipse, L.**, & Vallila-Rohter, S. (2018). *Processing of observed action events in people with aphasia (PWA)*. Poster presentation at the ASHA Convention, Boston, MA.

**Zipse, L.**, Dunn, K.,\* Ko, J.,\* & Shattuck-Hufnagel, S. (2018). *Speaking as entrainment: Where is the beat?* Platform presentation at the annual New England Sequencing and Timing (NEST) meeting, Storrs, CT.

Curtis, S.,\* **Zipse, L.**, Nicholas, M., & Pittmann, R. (2017). *Tap your hand if you feel the beat: Differential effects of tapping in Melodic Intonation Therapy*. Poster presented at the annual meeting of the Academy of Aphasia, Baltimore, MD.

Curtis, S.,\* & **Zipse, L.** (2017). *Tap on, tap off: Effects of tapping in Melodic Intonation Therapy*. Platform presentation at the Neural Entrainment and Rhythm Dynamics (NERD) Meeting, Boston, MA.

**Zipse, L.**, Murton, O.,\* Dunn, K.,\* & Shattuck-Hufnagel, S. (2016). *Where is the beat?* Poster presented at the Boston University Speech Motor Control Mini-Symposium, Boston, MA.

**Zipse, L.**, Murton, O.,\* Dunn, K.,\* & Shattuck-Hufnagel, S. (2016). *Where is the beat?* Poster presented at the Acoustical Society of America meeting, Honolulu, HI.

Vallila-Rohter, S., **Zipse, L.**, & Nicholas, M. (2016). *Nonverbal cognition in aphasia: Why SLPs should pay attention to learning*. Platform presentation at the ASHA Convention, Philadelphia, PA.

Asanuma, N.,\* **Zipse, L.**, Nicholas, M., & Pennington, S. (2016). *Auditory selective attention deficits in mild-moderate aphasia: Relation to formally-tested and self-reported auditory comprehension impairments*. Poster presented at the ASHA Convention, Philadelphia, PA.

**Zipse, L.** (2016). *Rhythm processing in aphasia: Who's got the beat?* Invited talk, Department of Communication Sciences and Disorders, Sargent College, Boston University.

**Zipse, L.**, & Arbel, Y. (2016). *Electrophysiological evidence for learning differences in traumatic brain injury*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Borders, J.,\* Arbel, Y., Vallila-Rohter, S., & **Zipse, L.** (2016). *Feedback Processing in Paired Associate Declarative Learning of Linguistic and Nonlinguistic Paradigms*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Smith, Z.,\* Nicholas, M., **Zipse, L.**, & Hunsaker, E. (2015). *Auditory skills in aphasia: Does treating auditory attention improve comprehension?* Poster presented at the ASHA Convention, Denver, CO.

**Zipse, L.**, Frechette, R.,\* Yang, J.,\* & Shattuck-Hufnagel, S. (2014). *Rhythm Processing in Aphasia: Who's got the Beat?* Platform presentation at the ASHA Convention, Orlando, FL.

Adessa, M.,\* Stadelman-Cohen, T., **Zipse, L.**, & Heaton, J. (2014). *Factors Affecting Voice Therapy Compliance in Singers*. Poster presented at the ASHA Convention, Orlando, FL.

Hunsaker, E., Pennington, S. & **Zipse, L.** (2014). *Creative Treatment for Acquired Alexia and Agraphia*. Poster presented at the ASHA Convention, Orlando, FL.

Murton, O.,\* **Zipse, L.**, & Shattuck-Hufnagel, S. (2014). *Do Repetitions of Short Patterns Show Systematic Beat-related Inter-pattern Intervals?* Platform presentation at the annual New England Sequencing and Timing (NEST) meeting, Amherst, MA.

Almeida, F.,\* **Zipse, L.**, Tomitch, L., & Haynes, C. (2014). *Early Grade School Predictors of Reading Comprehension in English Language Learners (ELLs) versus Native English Speaking Learners (NESLs)*. The International Dyslexia Association's annual Reading, Literacy, & Learning Conference, San Diego, CA.

Balz, M., Garrity, L. L., Leighton, J., **Zipse, L.**, & Brady Wagner, L. (2013). *Self-awareness of Cognitive Deficits in TBI*. Platform presentation at the ASHA Convention, Chicago, IL.

Kahn, E.,\* Nicholas, M., **Zipse, L.**, & Haynes, C. (2013). *Cognitive Approach to Treating Auditory Comprehension: Attention Training in People with Aphasia*. Poster presented at the ASHA Convention, Chicago, IL.

Elsiddig, Y.,\* Atwood, J., **Zipse, L.**, Ball, L., St. Louis, K., & Haynes, C. (2013). *Exploring the Sudanese Stuttering Experience: Perceptions, Attitudes, and Locus of Control*. Poster presented at the ASHA Convention, Chicago, IL.

**Zipse, L.**, & Shattuck-Hufnagel, S. (2013). *Vowel Duration and F0 Stability in Singing vs. Speech*. Poster presented at the Society for Music and Perception Conference, Toronto, Canada.

**Zipse, L.**, Shattuck-Hufnagel, S., & Worek, A. (2012). *Can people with aphasia reproduce and discriminate rhythms?* Poster presented at the ASHA Convention, Atlanta, GA.

Jennelle, L.,\* Nicholas, M., **Zipse, L.**, & Haynes, C. (2012). *LIVING with aphasia: activities, caregivers, and quality of life*. Poster presented at the ASHA Convention, Atlanta, GA.

Maguire, A.,\* Nicholas, M., & **Zipse, L.** (2012). *Cognitive flexibility: a new assessment*. Poster presented at the ASHA Convention, Atlanta, GA.

Maguire, A.,\* **Zipse, L.**, & Nicholas, M. (2012). *Can cognitive flexibility be trained in people with aphasia?* Poster presented at the ASHA Convention, Atlanta, GA.

Worek, A.,\* **Zipse, L.**, Kjølgaard, M., & Hunsaker, E. (2012). *Pitch and Rhythm Processing in Aphasia*. Platform presentation at the Clinical Aphasiology Conference, Lake Tahoe, CA.

Shattuck-Hufnagel, S., & **Zipse, L.** (2012). *How well can speakers produce temporally-regular taps and syllables?* Poster presented at Perspectives on Rhythm and Timing, Glasgow, Scotland.

**Zipse, L.**, & Shattuck-Hufnagel, S. (2012). *Can Speakers with Aphasia Entrain their Tapping to Short Rhythmic Patterns?* Platform presentation at the annual New England Sequencing and Timing (NEST) meeting, Amherst, MA.

Tierney, C. M.,\* Nicholas, M. L., & **Zipse, L.** (2011). *Phonological Neighborhood Density Effects on Treatment of Naming in Aphasia*. Platform presentation at the Clinical Aphasiology Conference, Fort Lauderdale, FL.

**Zipse, L.**, Worek, A.,\* & Shattuck-Hufnagel, S. (2010). *A Pilot Study of Rhythmic Processing in Aphasia*. Poster presented at the ASHA Convention, Philadelphia, PA.

Tierney,\* C. M., Nicholas, M. L., & **Zipse, L.** (2010). *Phonological Neighborhood Density Effects on Treatment of Naming in Aphasia*. Poster presented at the ASHA Convention, Philadelphia, PA.

**Zipse, L.**, Norton, A., Marchina, S., & Schlaug, G. (2009). *Singing Versus Speaking in Nonfluent Aphasia*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, San Francisco, CA.

**Zipse, L.**, Kearns, K., & Marantz, A. (2008). *A MEG Marker of Impaired Semantic Processing in Aphasia*. Poster presented at the ASHA Convention, Chicago, IL.

**Zipse, L.,** Kearns, K., & Marantz, A. (2006). *Identity Priming of the M350 Response: A Single-Trial Analysis Approach*. Poster presented at the annual meeting of the Academy of Aphasia, Victoria, British Columbia.

\*indicates a student

## **Memberships**

2007-present	Academy of Aphasia
2008-present	American Speech Language Hearing Association (ASHA)
2006-2008	National Student Speech Language Hearing Association (NSSLHA)

## **Professional Service**

June 2022	Reviewer, ASHA Advancing Academic-Research Careers (AARC) Award
2021	Member, Advisory Board, MGH Institute of Health Professions CSD Implementation Science Conference
2020	ASHA Convention Topic Committee member, Language Disorders in Adults
2017 – 2018	<i>Journal of Speech, Language, and Hearing Research</i> Editorial Board
June 2015	Reviewer, ASHFoundation New Century Scholars Doctoral Scholarship
Ongoing	Ad hoc reviewer for journals including: <i>American Journal of Speech-Language Pathology, Journal of Autism and Developmental Disorders, Neurocase, Disability and Rehabilitation, BMC Neuroscience</i>