

## CURRICULUM VITAE EVAN R. USLER

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### EDUCATION

#### **Purdue University**

Ph.D., Cognitive Neuroscience 2017

#### **University of Rhode Island**

M.P.A., Public Administration 2009

M.L.I.S., Library and Information Studies

#### **Boston University**

B.A., International Relations 2004

### PROFESSIONAL EXPERIENCE

#### **Assistant Professor, 2019-present**

Interpersonal Neurophysiology Lab, Department of Communication Sciences & Disorders,  
College of Health Sciences, University of Delaware

#### **Postdoctoral Research Fellow, 2017-2019**

Speech and Feeding Disorders Laboratory (PI: Jordan Green, Ph.D. CCC-SLP), Massachusetts  
General Hospital-Institute of Health Professions; Department of Speech, Language, and  
Hearing Disorders, Boston University

#### **Graduate Research Assistant, 2012-2017**

Neural Systems of Language Processing Lab (PI: Christine Weber, Ph.D. CCC-SLP); Speech  
Neurophysiology Lab (PI: Anne Smith, Ph.D.), Department of Speech, Language, & Hearing  
Sciences, Purdue University

### PRIMARY RESEARCH INTERESTS

Quantification of speech motor performance and fluency

Motor speech and fluency disorders (stuttering and cluttering)

Neurophysiology of speech production, including language, emotion, and cognition interactions

Oral motor development of speech and chewing

### TEACHING EXPERIENCE

#### **Lecturer:**

University of Delaware CSCD 621 Fluency Disorders (Spring 2020, 2021)

MGH Institute of Health Professions CD 841 Fluency Disorders (Fall 2018)

#### **Teaching Assistant:**

Purdue University SLHS 529 Stuttering (Fall 2016)

Purdue University SLHS 115 Intro to Communication Disorders (Spring 2016)

**Guest Lectures:**

Purdue University SLHS 115 Intro to Communication Disorders (Spring 2017)  
 Purdue University BIO 562 Neural Systems (Spring 2017)  
 Michigan State University CSD 830 Fluency Disorders (Fall 2016)  
 Purdue University SLHS 115 Intro to Communication Disorders (Fall 2016)  
 Purdue University SLHS 529 Stuttering (Fall 2015)  
 Purdue University SLHS 115 Intro to Communication Disorders (Spring 2015)

**PROFESSIONAL ASSOCIATIONS**

American Speech-Language-Hearing Association, 2012-present  
 Affiliate: SIG 4, SIG 19  
 ASHA Convention Program Committee Member: SIG 4, 2013, 2018, 2021  
 American Physiological Society, 2018-present  
 Cognitive Neuroscience Society, 2014-present  
 International Cluttering Association (ICA), 2018-present  
 International Fluency Association (IFA), 2015-present  
 Member of IFA Research and Publications Committee, 2017-present  
 National Stuttering Association (NSA), 2001-present  
 Society for Language Development, 2017-present  
 The Society for the Neurobiology of Language, 2014-present  
 U. S. Peace Corps, Jordan, 2005-2007  
 Peer Reviewer: *Developmental Cognitive Neuroscience*, *Developmental Neuropsychology*; *Folia Phoniatica et Logopaedica*; *International Journal of Speech Language Pathology*; *Journal of Communication Disorders*; *Journal of Fluency Disorders*; *Journal of Speech, Language, and Hearing Research*; *The Neuroscientist*; *NeuroImage: Clinical*  
 Editorial Board Member, *Journal of Speech, Language, and Hearing Research*, 2021-

**HONORS & AWARDS**

ASHA Convention Meritorious Poster Awards, 2013, 2018  
 ASHA Pathways Program Attendee, June 2018  
 Travers Reid Award, Action for Stammering Children, 2017  
 NIH Postdoctoral Traineeship, Boston University (PI: Christopher Moore, Ph.D.), 2017-2018  
 ASHFoundation New Century Scholars Doctoral Scholarship, 2016  
 Ringel Research Award, Purdue University, 2016  
 Purdue Research Foundation Grant Fellowship, 2016-2017  
 Finalist, Three Minute Thesis (3MT) Competition, Purdue University, 2016  
 Indiana Clinical and Translational Sciences Institute (CTSI) Predoctoral Award, funded in part by Grant # UL1TR001108 (PI: A. Shekhar), 2014-2016  
 Malcolm Fraser Foundation Fellowship, 2014-2015  
 NIH Predoctoral Traineeship, Purdue University (PI: Laurence Leonard, Ph.D.), 2012-2014

**STUDENT MENTORSHIP & RESEARCH ASSISTANTS**

Noor Zaghlula (2018-2019): MA Thesis Committee, MGH-IHP  
 Lyndsey Supsie (2019-2021): UD undergraduate research assistant  
 Madeline Johnston (2020), UD undergraduate research assistant

**COMMUNITY OUTREACH & PUBLICITY**

Editor of Quarterly Newsletter on behalf of the Research & Publications Committee of the IFA – to researchers in fluency disorders

Chapter Leader, National Stuttering Association (Newark, DE chapter)

Interviewee: *Stutterer Speaks* Podcast (July 2020)

UD Daily article “Examining the science of stuttering, from childhood into adulthood” (September 18, 2020). <https://www.newswise.com/articles/examining-the-science-of-stuttering-from-childhood-into-adulthood>

**PEER-REVIEWED PUBLICATIONS**

Beal, D., **Usler, E.**, & Tendra, A. (Forthcoming). Neural and physiological processes. In Zebrowski, P., Anderson, J., Conture, E. (eds.) *Stuttering and Related Fluency Disorders*. Thieme Medical Publishers.

Rong, P., **Usler, E.**, Rowe, L. R., Allison, K., Woo, J., El Fakhri, G., & Green, J. (2021). Speech intelligibility loss due to Amyotrophic Lateral Sclerosis: The effect of tongue movement reduction on vowel and consonant acoustic features. *Journal of Communication Disorders*.

**Usler, E.**, & Weber, C. (2020). Emotion processing in children who do and do not stutter: An ERP study of electrocortical reactivity and regulation to peer facial expressions. *Journal of Fluency Disorders*, 67, 105802. <https://doi.org/10.1016/j.jfludis.2020.105802>

**Usler, E.**, Foti, D., & Weber, C. (2020). Emotional reactivity and regulation in 5- to 8-year-old children: An ERP study of own-age face processing. *International Journal of Psychophysiology: Official Journal of the International Organization of Psychophysiology*, 156, 60–68. <https://doi.org/10.1016/j.ijpsycho.2020.07.004>

**Usler, E.**, Wei, X., Simone, M., Richburg, B., Stipancic, K., & Green, J. (2020). Modulation of intermuscular beta coherence in different rhythmic mandibular behaviors. *Frontiers in Human Neuroscience*, 14, 302.

Walsh, B. & **Usler, E.** (2019). Physiological correlates of fluent and stuttered speech production in preschool children who stutter. *Journal of Speech, Language, & Hearing Research*, 62(12), 4309-4323.

Haebig, E.; Leonard, L.; Karpicke, J.; Christ, S.; **Usler, E.**; Kueser, J.; Souto, S.; Krok, W.; & Weber, C. M. (2019). Retrieval-based word learning in young typically developing children and children with Development Language Disorder II: A comparison of retrieval schedules. *Journal of Speech, Language, & Hearing Research*, 62(4), 944.

**Usler, E.** & Walsh, B. (2018). The effects of syntactic complexity and sentence length on the speech motor control of school-aged children who stutter. *Journal of Speech, Language, & Hearing Research*, 61(9), 2157.

- Walsh, B., **Usler, E.** Weber, C., Brown, B., Bostian, A., Gerwin, K., Mohan, R., & Smith, A., (2018). How can we predict the probability of persistence of early childhood stuttering? *Seminars in Speech and Language*, 39(4), 299-312.
- Haebig, E., Leonard, L., Deevy, P., **Usler, E.**, & Weber, C. (2018). Neural correlates of word processing in preschoolers with specific language impairment. *Journal of Speech, Language, & Hearing Research*, 61(3), 729.
- Kreidler, K., Hampton Wray, A., **Usler, E.**, & Weber, C. (2017). Neural indices of semantic processing in early childhood distinguish eventual stuttering persistence and recovery. *Journal of Speech, Language, & Hearing Research*, 60(11), 3118.
- Usler, E.**, Smith, A., & Weber, C. (2017). A lag in speech motor coordination is associated with stuttering persistence in young children. *Journal of Speech, Language, & Hearing Research*, 60(1), 51.
- Usler, E.** & Weber-Fox, C. (2015). Neurodevelopment of syntactic processing distinguishes stuttering persistence versus recovery in young children. *Journal of Neurodevelopmental Disorders*, 7(1).
- Byrd, C., McGill, M. & **Usler, E.** (2015). Nonword repetition and phoneme elision in adults who do and do not stutter: A systematic replication. *Journal of Fluency Disorders*, 44, 17.

### INVITED TALKS

- Bahls, J., **Usler, E.**, & Chow, HM. (2021, April). Motor speech disorders: A crash course on neuroanatomy, differential diagnosis, and an overview on management. Delaware Speech-Language-Hearing Association
- Usler, E.** (2019, May). Intermuscular coherence as a marker of disease progression in individuals with ALS. CSD Research Symposium, Boston University.
- Usler, E.** (2018, January). ERP and autonomic indices of emotional processing in children who stutter. Boston Motor Control Working Group, Boston University.
- Usler, E.** (2016, September). Recovery from stuttering: A neurodevelopmental approach. Michigan State University. Department of Communicative Sciences and Disorders.
- Weber, C. & **Usler, E.** (2015, October). Invited Keynote. Translating science: Increasing knowledge to help others. Big Ten+ Grad Expo 2015. Purdue University. Fowler Auditorium, West Lafayette.
- Smith, A., Supramanian, A., & **Usler, E.** (2015, June). The Purdue Stuttering Project: Parts I & II. National Stuttering Association Annual Conference Research Symposium, Baltimore, MD.

**PRESENTATIONS**

- Usler, E., Richburg, B., & Green, J.** (2020, February). Development of intermuscular coherence in mandibular muscles in typically developing children. *Conference on Motor Speech*. Santa Barbara, CA.
- Zaghlula, N., **Usler, E., Richburg, B. & Green, J.** (2019, November). Intermuscular coherence as a marker of disease progression in Amyotrophic Lateral Sclerosis. Poster presented at American Speech-Language-Hearing Conference, Orlando, FL.
- Walsh, B. & **Usler, E.** (2018, July). Autonomic correlates of speech production in preschoolers who stutter. Poster presentation at 2018 International Fluency Association World Congress, Hiroshima, Japan.
- Usler, E.** (2018, May). The neurodevelopment of childhood stuttering: What does this tell us about speech? Boston University Postdoctoral Seminar Series.
- Usler, E.** (2017, September). Emotional face processing in children who stutter: An ERP study of emotional reactivity and regulation. Oxford Dysfluency Conference, Oxford, UK.
- Usler, E. & Walsh, B.** (2017, September). The effect of syntactic complexity and sentence length on the speech motor control of children who stutter. Poster presented at Oxford Dysfluency Conference, Oxford, UK.
- Usler, E., & Weber, C.** (2016, November). Socioeconomic status and childhood stuttering: An event-related potential study. Poster presented at American Speech-Language-Hearing Conference, Philadelphia, PA.
- Usler, E., & Weber, C.** (2016, November). Neural correlates of emotional activity associated with childhood stuttering. Poster presented at American Speech-Language-Hearing Conference, Philadelphia, PA.
- Usler, E. & Weber, C.** (2016, April). ERP activity mediating syntactic processing is associated with early childhood stuttering. Poster presented at Translational Science 2016. Washington, D.C.
- Usler, E.** (2016, February). The science of stuttering: Why do some children continue to stutter and others recover? Presented at FRIENDS Conference, Indianapolis, IN.
- Usler, E., & Weber, C.** (2015, November). Communication attitude effects on neural patterns mediating language processing in young children who stutter. Poster presented at American Speech-Language-Hearing Conference, Denver, CO.
- Usler, E., & Weber, C.** (2015, October). Neurodevelopmental trajectory of syntactic processing in children who do and do not stutter. Poster presented at Neurobiology of Language Annual Meeting, Chicago, IL.

- Usler, E., & Weber, C.** (2015, September). Neurodevelopmental trajectory of syntactic processing in children who stutter. Poster presented at Indiana CTSI Annual Meeting, Indianapolis, IN.
- Usler, E.** (2015, July). "How did we get here?: How understanding how stuttering develops empowers us in our everyday life." National Stuttering Association Annual Conference Research Symposium, Baltimore, MD.
- Usler, E.** (2015, April). Dynamic interactions between language processing and speech motor coordination distinguish stuttering recovery versus persistence in young children. Translational Science 2015. Washington, D.C.
- Usler, E.** (2015, March). Pathways to recovery versus persistence of childhood stuttering. SLHS Departmental Seminar, Purdue University.
- Usler, E., Smith, A., & Weber-Fox, C.** (2014, November). Interactions between language and speech motor processes distinguish stuttering persistence versus recovery in 6-7 year-old children. Poster presented at American Speech-Language-Hearing Conference, Orlando, FL.
- Usler, E. & Weber-Fox, C.** (2014, October). Why do some children continue to stutter and others recover? Presentation at FRIENDS Conference, West Lafayette, IN.
- Byrd, C., McGill, M. & **Usler, E.** (2014, November). Nonword repetition and phoneme elision in adults who do and do not stutter: A systematic replication. Poster presented at American Speech-Language-Hearing Conference, Orlando, FL.
- Usler, E., Smith, A., & Weber-Fox, C.** (2014, September). Speech motor control during speech production distinguishes stuttering persistence versus recovery in 6-7-year-old children. Poster presented at Indiana CTSI Annual Meeting, Indianapolis, IN.
- LaFond, V., **Usler, E., & Weber-Fox, C.** (2013, November). Children's neural patterns mediating syntactic, but not semantic, processing distinguish stuttering recovery versus persistence. Poster presentation at 2013 American Speech-Language-Hearing Association Annual Conference, Chicago, IL.