

CURRICULUM VITAE

Stephanie A. Borrie, Ph.D.

Utah State University
Department of Communicative Disorders and Deaf Education
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EDUCATION

- 2011 Doctor of Philosophy (Ph.D.) in Speech and Language Therapy,
University of Canterbury, Christchurch, New Zealand
- 2005 Bachelor of Speech-Language Therapy (BSLT) with First-Class
Honours, University of Canterbury, Christchurch, New Zealand

PROFESSIONAL APPOINTMENTS

- 2014 – present Assistant Professor, Department of Communicative Disorders and Deaf
Education, Utah State University, Logan, Utah
- 2012 – 2014 Postdoctoral Research Fellow, Department of Speech and Hearing
Sciences, Arizona State University, Tempe, Arizona
- 2006 – 2008 Speech-Language Pathologist, Acquired Communication and
Swallowing Disorders, Northland District Health Board, Whangarei,
New Zealand

GRANTS

Current Funding

Borrie, S.A. (Principal Investigator) and Berisha, V. (Co-Investigator). (\$300,000). *Speech rhythm entrainment in the context of dysarthria*. National Institutes of Health, National Institute of Deafness and other Communication Disorders (NIDCD) Research Award (Grant # R21 DC016084-01). Grant period: 03/01/17–02/28/20.

Completed Funding

Borrie, S.A. (Principal Investigator). (\$20,000). *Entrainment in the context of disordered speech: An exploration of entrainment analysis and conversational success in interactions involving people with dysarthria*. Utah State University Research Catalyst. Grant period: 01/01/15–01/01/16.

Borrie, S.A. (Principal Investigator) and Liss, J.M (Mentor). (\$122,000). *Perceptual training for the management of neurological speech disorders*. Neurological Foundation of New Zealand. Grant period: 03/01/12–03/01/14.

REFEREED JOURNAL ARTICLES

* indicates research conducted by graduate students under my primary supervision

*Wynn, C.J., **Borrie, S.A.**, and Sellars, T. (in press). Speech rate entrainment in children and adults with and without autism spectrum disorder. *American Journal of Speech-Language Pathology*.

*Parker, M.A. and **Borrie, S.A.** (in press). Judgements of intelligence and likeability in young adult female speakers of American English: The influence of vocal fry and the surrounding acoustic-prosodic context. *Journal of Voice*. [doi:10.1016/j.jvoice.2017.08.002](https://doi.org/10.1016/j.jvoice.2017.08.002)

Lansford, K.L., Luhrsen, S., Ingvalson, E., and **Borrie, S.A.** (2018). Effects of familiarization on intelligibility of dysarthric speech in older adults with and without hearing loss. *American Journal of Speech-Language Pathology*, 27, 91-98. [doi:10.1044/2017_AJSLP-17-0090](https://doi.org/10.1044/2017_AJSLP-17-0090)

Yoho, S.E. and **Borrie, S.A.** (2018). Combining degradations: The effect of background noise on intelligibility of disordered speech. *Journal of Acoustical Society of America*, 143, 281-286. [doi:10.1121/1.5021254](https://doi.org/10.1121/1.5021254)

Borrie, S.A., Lansford, K.L. and Barrett, T.S. (2017). Generalized adaptation to dysarthric speech. *Journal of Speech, Language, and Hearing Research*, 60, 3110-3117. [doi:10.1044/2017_JSLHR-S-17-0127](https://doi.org/10.1044/2017_JSLHR-S-17-0127)

Borrie, S.A. and Schäfer, M.C.M. (2017). Effects of lexical and somatosensory feedback on long-term improvements in intelligibility of dysarthric speech. *Journal of Speech, Language, and Hearing Research*, 60, 2151-2158. [doi:10.1044/2017_JSLHR-S-16-0411](https://doi.org/10.1044/2017_JSLHR-S-16-0411)

Borrie, S.A., Baese-Berk, M. Van Engen, K., and Bent, T. (2017). A relationship between processing speech in noise and dysarthric speech. *Journal of the Acoustical Society of America*, 141, 4660-4667. [doi:10.1121/1.4986746](https://doi.org/10.1121/1.4986746)

Borrie, S.A. and *Delfino, C. (2017). Conversational entrainment of vocal fry in young adult female American English speakers. *Journal of Voice*, 31, 513.e25–513.e32. [doi:10.1016/j.jvoice.2016.12.005](https://doi.org/10.1016/j.jvoice.2016.12.005)

Muñoz, K., Ong, C., **Borrie, S.A.**, Nelson, L.H., and Twohig, M. (2017). Audiologists' communication behavior during hearing device management appointments. *International Journal of Audiology*, 56, 328-336. [doi:10.1080/14992027.2017.1282632](https://doi.org/10.1080/14992027.2017.1282632)

Borrie, S.A., Lansford, K.L. and Barrett, T.S. (2017). Rhythm perception and its role in recognition and learning of dysrhythmic speech. *Journal of Speech, Language, and Hearing Research*, 60, 561–570. [doi:10.1044/2016_JSLHR-S-16-0094](https://doi.org/10.1044/2016_JSLHR-S-16-0094)

Bent, T., Baese-Berk, M., **Borrie, S.A.**, and McKee, M. (2016). Individual differences in the perception of unfamiliar regional, nonnative, and disordered speech varieties. *Journal of the Acoustical Society of America*, 140, 3775–3786. [doi:10.1121/1.4966677](https://doi.org/10.1121/1.4966677)

Lansford, K.L., **Borrie, S.A.**, and Bystricky, L. (2016). Use of crowdsourcing to assess the ecological validity of perceptual training paradigms in dysarthria. *American Journal of Speech-Language Pathology*, 25, 233–239. [doi:10.1044/2015_AJSLP-15-0059](https://doi.org/10.1044/2015_AJSLP-15-0059)

Borrie, S.A. and Schäfer, M.C.M. (2015). The role of somatosensory information in speech perception: Imitation improves recognition of disordered speech. *Journal of Speech, Language, and Hearing Research*, 58, 1708–1716. [doi:10.1044/2015_JSLHR-S-15-0163](https://doi.org/10.1044/2015_JSLHR-S-15-0163)

Borrie, S.A., Lubold, N., and Pon-Barry, H. (2015). Disordered speech disrupts conversational entrainment: A study of acoustic-prosodic entrainment and communicative success in populations with communication challenges. *Frontiers in Psychology*. 6:1187. [doi:10.3389/fpsyg.2015.01187](https://doi.org/10.3389/fpsyg.2015.01187)

Borrie, S.A. (2015). Visual information: A help or hindrance to perceptual processing of dysarthric speech. *Journal of the Acoustical Society of America*, 137, 1473–1480. [doi:10.1121/1.4913770](https://doi.org/10.1121/1.4913770)

Baese-Berk, M., Bent, T., **Borrie, S.A.**, and McKee, M. (2015). Individual differences in perception of unfamiliar speech. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*. Paper number 0460, 1–5.

Borrie, S.A. and Liss, J.M. (2014). Rhythm as a coordinating device: Entrainment with disordered speech. *Journal of Speech, Language, and Hearing Research*, 57, 815–824. [doi:10.1044/2014_JSLHR-S-13-0149](https://doi.org/10.1044/2014_JSLHR-S-13-0149) (#JSLHR Editor's Award)

Borrie, S.A., McAuliffe, M.J., Liss, J.M., O'Beirne, G.A., and Anderson, T. (2013). The role of linguistic and indexical information in improved recognition of dysarthric speech. *Journal of the Acoustical Society of America*, 133, 474–482. [doi:10.1121/1.4770239](https://doi.org/10.1121/1.4770239)

Borrie, S.A., McAuliffe, M.J., Liss, J.M., O'Beirne, G.A., and Anderson, T. (2012). A follow-up investigation into the mechanisms that underlie improved recognition of dysarthric speech. *Journal of the Acoustical Society of America*, 132, EL102–108. [doi:10.1121/1.4736952](https://doi.org/10.1121/1.4736952)

Borrie, S.A., McAuliffe, M.J., Liss, J.M., Kirk, C., O'Beirne, G.A., and Anderson, T. (2012). Familiarisation conditions and the mechanisms that underlie improved recognition of dysarthric speech. *Language & Cognitive Processes*, 27, 1039–1055. [doi:10.1080/01690965.2011.610596](https://doi.org/10.1080/01690965.2011.610596)

Borrie, S.A., McAuliffe, M.J., and Liss, J.M. (2012). Perceptual learning of dysarthric speech: A review of experimental studies. *Journal of Speech, Language, and Hearing Research*, 55, 290–305. [doi:10.1044/1092-4388\(2011/10-0349\)](https://doi.org/10.1044/1092-4388(2011/10-0349))

McAuliffe, M.J., **Borrie, S.A.**, Good, P.V., and Hughes, L.E. (2010). Consideration of the listener in the assessment and treatment of dysarthria. *ACQuiring Knowledge in Speech, Language, and Hearing*, 12, 16–19.

Borrie, S.A., McAuliffe, M.J., Tillard, G., Ormond, T., Anderson, T., and Hornibrook, J. (2007). Effect of the Lee Silverman Voice Treatment (LSVT®) on articulation in speakers with Parkinson's disease. *New Zealand Journal of Speech-Language Therapy*, 62, 29–36.

Under Review

McLaughlin, D.J, Baese-Berk, M.M, Bent, T., **Borrie, S.A.**, and Van Engen, K. (under review). Coping with adversity: Individual differences in the perception of noisy and accented speech. *Attention, Perception, & Psychophysics*.

HONORS AND AWARDS

- 2017 Faculty Researcher of the Year, Department of Communicative Disorders and Deaf Education
- 2017 Speaker, TEDX USU, Talk entitled, "[Entrainment and the dance of conversation](#)"
- 2017 Invited Speaker, Special session entitled, "Measuring Speech Perception and Production Remotely: Telehealth, Crowd-Sourcing, and Experiments over the Internet." 173rd meeting of the Acoustical Society of America
- 2016 Invited Speaker, Special session entitled, "Intelligibility Challenges: Speakers, Listeners, and Situations." 171st meeting of the Acoustical Society of America
- 2015 Awarded Fellow of the Psychonomic Society
- 2014 Editor's Award from the Journal of Speech, Language, and Hearing Research, for the most meritorious article in speech research: "Rhythm as a coordinating device: Entrainment with disordered speech"
- 2014 Psychonomic Society Select-Speaker Award
- 2013 Research Mentoring Network Scholarship, workshop hosted by the American Speech-Language-Hearing Association
- 2013 Neurological Foundation of New Zealand Travel Fellowship
- 2011 Jean Seabrook Top Ph.D. Award, Department of Communication Disorders, University of Canterbury, New Zealand
- 2010 New Zealand Federation of Graduate Women Travel Fellowship
- 2009 Postgraduate Research Excellence Award, New Zealand Speech-Language Therapists' Association
- 2008 University of Canterbury Full Doctoral Scholarship
- 2005 Freemasons Undergraduate Scholarship

PRESENTATIONS

* indicates research conducted by graduate students under my primary supervision

Invited Referred Conferences Presentations

Lansford, K.L. and **Borrie, S.A.** (2017). Use of crowdsourcing platforms to examine listener perception of disordered speech. *173rd Meeting of the Acoustical Society of America*, Boston, Massachusetts: June 25-29. Retrieved from <https://doi.org/10.1121/1.4988819>

Borrie, S.A. and Lansford, K.L. (2016). The role of rhythm perception in recognition and learning of disordered speech. *171st Meeting of the Acoustical Society of America*, Salt Lake City, Utah: May 23–27. Retrieved from <https://doi.org/10.1121/1.4950168>

Upcoming Referred Conference Presentations

Borrie, S.A. and Lansford, K.L. (2018). Generalized adaptation to dysarthric speech. *Nineteenth Biennial Conference on Motor Speech Disorders: Motor Speech Disorders and Speech Motor Control*, Savannah, Georgia: February 21-25.

Lansford, K.L., **Borrie, S.A.** Luhrsen, S., and Ingvalson, E. (2018). Effects of familiarization on intelligibility of dysarthric speech in older adults with and without hearing loss. *Nineteenth Biennial Conference on Motor Speech Disorders: Motor Speech Disorders and Speech Motor Control*, Savannah, Georgia: February 21-25.

Borrie, S.A. and Lansford, K.L. (2018). The role of rhythm in adaptation to dysrhythmic speech, continued. *175th Meeting of the Acoustical Society of America*, Minneapolis, Minnesota: May 7-11.

Yoho, S.E. and **Borrie, S.A.** (2018). The impact of combined degradations: Intelligibility of disordered speech in noise. *175th Meeting of the Acoustical Society of America*, Minneapolis, Minnesota: May 7-11.

Past Referred Conference Presentations

*Parker, M.A. and **Borrie, S.A.** (2017). The influence of vocal fry on listener judgements of intelligence and likeability. *Psychonomics Society*, Vancouver, Canada. November 9-11.

Borrie, S.A. and Lansford, K.L. (2017). Prior experience and adaptation to disordered speech. *Psychonomics Society*, Vancouver, Canada. November 9-11.

Luhrsen, S., Lansford, K.L., **Borrie, S.A.**, Ingvalson, E., and Morris, P. (2017). Perceptual Learning of Dysarthric Speech: Age-Related Consequences. *American Speech, Language and Hearing Association Convention*, Los Angeles, California. November 9-11.

McLaughlin, D., Baese-Berk, M., Bent, T., **Borrie, S.A.**, and Van Engen, K. (2017). Individual variation in the perception of different types of speech degradation. *173rd Meeting of the Acoustical Society of America*, Boston, Massachusetts: June 25-29.

McLaughlin, D., Baese-Berk, M., Bent, T., **Borrie, S.A.**, and Van Engen, K. (2017). Individual variation in the perception of different types of speech degradation. *Third Northwest Phonetics and Phonology Conference*, Vancouver, British Columbia: May 19-21.

Yonehiro, J., Duran, N.D., and **Borrie, S.A.** (2017). The contribution of speech rhythms to listener perceptions of likability and comprehensibility. *29th Annual Convention of the Association for Psychological Science*, Boston, Massachusetts: May 25-28.

*Wynn, C.J. and **Borrie, S.A.** (2016). Speech rate entrainment in children and adults with autism spectrum disorder. *American Speech, Language and Hearing Association Convention*, Philadelphia, Pennsylvania: November 17–19.

Borrie, S.A. and Lansford, K.L. (2016). Locus of learning in musicians and non-musicians following familiarization with dysarthric speech. *Psychonomic Society*, Boston, Massachusetts: November 17–20.

Baese-Berk, M., Bent, T., **Borrie, S.A.**, and McKee, M. (2016). Individual differences in perception of unfamiliar speech. *Second Northwest Phonetics and Phonology Conference*, Eugene, Oregon: May 15.

Borrie, S.A. and Schäfer, M.C.M. (2016). Imitation improves recognition of disordered speech. *Eighteenth Biennial Conference on Motor Speech Disorders: Motor Speech Disorders and Speech Motor Control*, Newport Beach, California: March 3–6.

Borrie, S.A., Lubold, N., and Pon-Barry, H. (2015). Disordered speech disrupts conversational entrainment: A study of acoustic-prosodic entrainment and communicative success in populations with communication challenges. *Psychonomic Society*, Chicago, Illinois. November 19–22.

Lansford, K.L., **Borrie, S.A.**, Bystricky, L., Bates, L., Gray, D., and Suveg, J. (2015). Use of crowdsourcing to assess the ecological validity of perceptual training paradigms in dysarthria. *American Speech, Language and Hearing Association Convention*, Denver, Colorado. November 11–14.

Baese-Berk, M., Bent, T., **Borrie, S.A.**, and McKee, M. (2015). Individual differences in perception of unfamiliar speech. *18 International Congress of Phonetic Science*, Glasgow, Scotland, UK. August 10–14.

Borrie, S.A., Berisha, V., and Liss, J.M. (2014; Select-speaker Award Recipient). Computational modeling of conversational entrainment: A novel framework for examining spoken interaction in communication disorders. *Psychonomic Society*, Long Beach, California. November 20–23.

Borrie, S.A., Berisha, V., and Liss, J.M. (2014). Modelling spoken interaction in communication disorders. *Finding Common Ground: Social, Ecological, and Cognitive Perspectives on Language Use*, Storrs, Connecticut: June 12–14.

Borrie, S.A., Liss, J.M., and Berisha, V. (2014). Conversational entrainment: A novel framework for modeling communication interactions in motor speech disorders. *Seventeenth Biennial Conference on Motor Speech Disorders: Motor Speech Disorders and Speech Motor Control*, Sarasota, Florida: February 27–March 2.

Borrie, S.A., *Torres, H. and Liss, J.M. (2013). Rhythm as a coordinating device: Entrainment with dysarthric speech. *Second International Conference on Cognitive Hearing Science for Communication*, Linköping, Sweden: June 16–19.

Borrie, S.A., McAuliffe, M.J., Liss, J.M., O’Beirne, G.A., and Anderson, T. (2011). The role of linguistic and indexical information in improved recognition of dysarthric speech. *162nd Meeting of the Acoustical Society of America*, San Diego, California: October 13–November 4.

Borrie, S.A., McAuliffe, M.J., Liss, J.M., O’Beirne, G.A., and Anderson, T. (2011). Perceptual learning of hypokinetic dysarthria: A follow-up investigation into the mechanisms that underlie passive and explicit learning of dysarthric speech. *Asia Pacific Conference on Speech, Language, and Hearing*, Christchurch, New Zealand: January 11–14.

Broadmore, S., McAuliffe, M.J., **Borrie, S.A.**, and O’Beirne, G.A. (2011). Influences on listener strategies in the perception of dysarthric speech. *Asia Pacific Conference on Speech, Language, and Hearing*, Christchurch, New Zealand: January 11–14.

Borrie, S.A., McAuliffe, M.J., Liss, J.M., Kirk, C., O’Beirne, G.A., and Anderson, T. (2010). Perceptual learning and intelligibility gains in dysarthria associated with Parkinson’s disease. *Health Research Society Canterbury: Seminar Series*, Christchurch, New Zealand: July 16.

Borrie, S.A., McAuliffe, M.J., Liss, J.M., Kirk, C., O’Beirne, G.A., and Anderson, T. (2010). A comparison of familiarisation modes on perceptual learning and speech intelligibility of hypokinetic dysarthria. *Fifteenth Biennial Conference on Motor Speech Disorders: Motor Speech Disorders and Speech Motor Control*, Savannah, Georgia: March 4–7.

Borrie, S.A., McAuliffe, M.J., Liss, J.M., Kirk, C., O’Beirne, G.A., and Anderson, T. (2009). Learning to better understand distorted speech: An investigation into perceptual learning of dysarthria. *New Zealand Speech-language Therapists’ Association Biennial Conference: Practice Worth Spreading*, Wellington, New Zealand: April 22–23.

McAuliffe, M.J., **Borrie, S.A.**, and Schäfer, M. (2009). Motor speech disorders: Time to refuel. *New Zealand Speech-language Therapists’ Association Biennial Conference: Practice Worth Spreading*, Wellington, New Zealand: April 22–23.

McAuliffe, M.J., **Borrie, S.A.**, Tillard, G., Anderson, T., and Hornibrook, J. (2006). The effects of the Lee Silverman Voice Treatment (LSVT®) program upon articulation in individuals with Parkinson’s disease (PD). *New Zealand Speech-language Therapists’ Association Biennial Conference*, Christchurch, New Zealand: April 9–12.

Invited Seminars

Borrie, S.A. (2014). Disorders of Conversation. New Zealand Institute of Language Brain and Behavior (NZILBB) Seminar Series, Christchurch, New Zealand: April 14.

Borrie, S.A. (2014). Disorders of Conversation. Speech Science Seminar, School of Psychology, University of Auckland, Auckland, New Zealand: April 8.

NEWS AND MEDIA

- TIME Magazine (2017). *What is Vocal Fry*. <http://time.com/5006345/what-is-vocal-fry/>
- Utah State University College of Education and Human Services Blog (2017). *Breaking Barriers in Communication: New Research Could Improve Communication for Patients with Parkinson’s Disease*. <https://cehs.usu.edu/news-archive/20170511-slp-grant>
- Utah State Today (2015). *Novel Approach Earns USU Assistant Professor National Recognition*. <https://www.usu.edu/today/?id=55343>

- New Zealand Listener (2012). *Lost for words: developing treatment for dysarthria*.
<http://www.noted.co.nz/health/health/lost-for-words-developing-treatment-for-dysarthria/>

TEACHING

2014 – present	<i>Neural Bases of Communication and Motor Speech Disorders</i> <i>Neuropathologies of Speech and Language</i> <i>Speech Science</i> Utah State University
2012: 2013	<i>Neuromotor Speech Disorders</i> Arizona State University
2010: 2011	<i>Motor Speech Disorders</i> <i>Acquired Communication Disorders</i> University of Canterbury

STUDENT SUPERVISION

Thesis Committee Chair

PhD Students

Beginning 2018 Camille Wynn
⇒ *Presidential Doctoral Research Fellowship*

Master's Students

2017 – present Kiersten Pope
2016 – 2018 Michelle Parker
2015 – 2017 Camille Wynn
⇒ *Master's Student Researcher of the Year for College of Education and Human Service*
⇒ *Winner of USU Student Research Symposium for Social and Education Disciplines*
2014 – 2016 Kristen Jensen
2014 – 2015 Christine Delfino
2013 – 2014 Elizabeth Fall

Honor's Students

2012 – 2013 Hilda Torres

Thesis Committee Member

PhD Students

2017 – present Rebekah Wada
2016 – present Alwaled Hadi Aldulaimi
2015 – present Marshall Grimm

AuD Students

2017 – present Nicole Thiede
2016 – present Dane Whittaker

2016 – 2018 Shea Long
2016 – 2018 Taylor Chafin
2015 – 2017 Madison Murphy

Master's Students

2010 – 2011 Sharon Broadmore

SERVICE TO PROFESSION

Guest Editor

2017, 2018 *Journal of Speech, Language, and Hearing Research*

Ad-Hoc Scholarly Reviewer

Journal of Speech, Language, and Hearing Research
American Journal of Speech-Language Pathology
Journal of Acoustical Society of America
Journal of Memory and Language
Journal of Experimental Psychology: Human Perception and Performance
Folia Phoniatica et Logopaedica
International Journal of Language & Communication Disorders
Journal of Communication Disorders
Journal of Clinical Practice in Speech-Language Pathology

National Committees

2016, 2017 Motor Speech Disorders Program Committee, American Speech-
Language-Hearing Association
2015, 2016 Selection Committee, Psychonomics Graduate Travel Award

Professional Leadership

2006 – 2008 Area Representative, New Zealand Speech-Language Therapists'
Association (NZSTA), Northland, New Zealand

PROFESSIONAL MEMBERSHIPS

2016 – present Associate Member, Acoustical Society of America
2015 – present Fellow, Psychonomic Society (Member 2013-2014)
2015 – present Member, American Speech-Language-Hearing Association
2014 – present Member, Woman in Cognitive Science
2008 – 2012 Member, New Zealand Speech-Language Therapists' Association