

KATHRYN LYNNE CABBAGE

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CURRICULUM VITA

EDUCATION

- 2013 Ph.D. University of Nebraska-Lincoln, Human Sciences with an emphasis in Communication Disorders, Co-Mentors: Drs. Tiffany P. Hogan and Thomas D. Carrell
Dissertation: *Perceptual skills underlying phonological deficits in children: Evidence from behavioral and electrophysiological measures of speech perception*
- 2005 Certificate of Clinical Competence in Speech-Language Pathology, American Speech-Language-Hearing Association
- 2004 M.S. Eastern Washington University, Communication Disorders – Speech-Language Pathology, awarded *summa cum laude*
- 2002 B.A. Eastern Washington University, Communication Disorders, awarded *summa cum laude*

PROFESSIONAL EXPERIENCE

- 06/2017 – present **Assistant Professor**, Department of Communication Disorders, Brigham Young University, Provo, UT
- 03/2013-05/2017 **Postdoctoral Fellow and Project Director**, Speech & Language Literacy Lab, MGH Institute of Health Professions, Boston, MA; Mentor: Dr. Tiffany P. Hogan
- 08/2008-02/2013 **Barkley Scholar Graduate Research Assistant**, Speech Perception Laboratory and Link N Literacy Laboratory, University of Nebraska-Lincoln, Lincoln, NE; Co-mentors: Drs. Thomas D. Carrell and Dr. Tiffany P. Hogan
- 08/2004-08/2008 **Speech-Language Pathologist**, Richland School District, Richland, WA. Provided assessment and intervention services for preschool-aged,

elementary-aged, and high-school-aged children with a wide variety of speech and language impairments.

06/2004-08/2004 **Speech-Language Pathologist**, Extended School Year Services, East Valley School District, Spokane, WA. Provided summer intervention services for preschool-aged and elementary-aged children with a variety of speech and language impairments.

RESEARCH ACTIVITY

Project Director (2013 – 2017), Profiles of Working Memory and Word Learning for Educational Research (POWVER); PI at MGH Institute of Health Professions: Dr. Tiffany P. Hogan, Boston, MA.

Dissertation Research (2010 – 2013), *Perceptual skills underlying phonological deficits in children: Evidence from behavioral and electrophysiological measures of speech perception*. This research sought to determine the nature of phonological representations in children with dyslexia and children with speech sound disorders using behavioral and electrophysiological measures of perceptual processing mechanisms. University of Nebraska-Lincoln, Lincoln, NE, Co-mentors: Dr. Thomas D. Carrell and Dr. Tiffany P. Hogan.

Pre-dissertation Doctoral Research (2008-2011), *Investigations of neighborhood density on the processing of time-varying sinusoidal speech*. This research presented a series of three experiments investigating interactions between lexical and acoustical factors on speech perception in healthy adults. University of Nebraska-Lincoln, Lincoln, NE
Mentor: Dr. Thomas D. Carrell

Assessor (2010-2013), Language and Reading Research Consortium (LARRC) data collector; administered standardized speech, language, and reading assessments to children in early elementary grades (K-3). PI at University of Nebraska-Lincoln: Dr. Tiffany P. Hogan, Lincoln, NE

Master's Thesis (2004), *Phonological characteristics of monozygotic twin children with phonological impairments*. Unpublished Master's research, Eastern Washington University, Cheney, WA. Mentor: Dr. Seppo Tuomi.

PUBLICATIONS

REFEREED ARTICLES

Zuk, J., Iuzzini-Seigel, J., **Cabbage, K.L.**, Green, J., & Hogan, T.P. (in press) Poor speech perception is not a core deficit of childhood apraxia of speech: Preliminary findings. *Journal of Speech, Language, and Hearing Research*.

Cabbage, K.L., Brinkley, S., Gray, S., Alt, M., Cowan, N., Green, S., Kuo, T., & Hogan, T.P. (2017) Assessing working memory in children: The Comprehensive Assessment Battery for Children – Working Memory (CABC-WM). *Journal of Visualized Experiments*, 12(124). doi: 10.3791/55121

Cowan, N., Hogan, T.P., Alt, M., Green, S., **Cabbage, K.L.,** Brinkley, S., & Gray, S. (2017) Short-term memory in childhood dyslexia: Deficient serial order in multiple modalities. *Dyslexia*, 23(3) 209-233. doi: 10.1002/dys.1557.

Alt, M., Hogan, T., Green, S., Gray, S., **Cabbage, K.L.,** & Cowan, N. (2017). Word learning deficits in children with dyslexia. *Journal of Speech, Language, and Hearing Research*, 60, 1012-1028. DOI: 10.1044/2016_JSHLR-L-16-0036

Cabbage, K.L., Hogan, T.P., & Carrell, T.D (2016). Speech perception differences in children with dyslexia and speech sound disorder. *Speech Communication*, 82, 14-25.

Cabbage, K.L., Farquharson, K.F., & Hogan, T.P. (2015). Speech perception and working memory in children with residual speech errors: A case study analysis. *Seminars in Speech and Language*, 36(4), 235-246.

Cabbage, K.L., Iuzzini-Seigel, J., Zuk, J., Farquharson, K., & Hogan, T.P. Speech production in children with dyslexia. *Manuscript under revision*.

BOOK CHAPTERS

Cabbage, K.L., & Hogan, T.P. (2014). Phonological awareness (development of). In P. Brooks & B. Kempe (Eds), *Encyclopedia of Language Development*. Thousand Oaks, CA: SAGE Publications.

OTHER

Cabbage, K.L. (2015). The role of speech perception in persistent speech sound disorder. *Perspectives on School-based issues*, 15, 18-24.

RESEARCH PRESENTATIONS

COMPETITIVELY REVIEWED RESEARCH PRESENTATIONS

Cabbage, K.L., Hogan, T.P., Gray, S., Alt, M., Green, S., & Cowan, N. (2018, July). *Characterizing nonword repetition production error patterns in children with dyslexia*. In symposium led by K. Farquharson, entitled, Exploring the relations between speech production and word reading in children with dyslexia, speech production deficits, or both. Society for the Scientific Study of Reading Annual Convention, Brighton, United Kingdom.

Cabbage, K.L., & DeVeney, S. (2017, November). *The 'big picture' on intervention decisions*

- for children with speech sound disorders*. Seminar presented at the American Speech-Language-Hearing Association Annual Convention, Los Angeles, CA.
- Cabbage, K.L., & Hogan, T.P.** (2017, September). *The nature of speech perception in children with phonological deficits: Evidence from event-related potentials (ERP)*. Poster presentation at the Annual Meeting on Phonology at New York University, New York, NY.
- Baron, L., Hogan, T., Alt, M., Gray, S., **Cabbage, K.**, Limson, C., Brinkley, S., Green, S., & Cowan, N. (2015, November). *Orthographic influences on word learning by second-graders with comorbid dyslexia and specific language impairment*. Technical Talk at American Speech-Language-Hearing Association Annual Convention, Denver, CO.
- Farquharson, K. & **Cabbage, K.L.** (2015, November). *Changing minds about children with speech sound disorder: Speech perception and working memory*. Technical Talk, at American Speech-Language-Hearing Association Annual Convention, Denver, CO.
- Zuk, J., Iuzzini-Seigel, J, **Cabbage, K.**, Green, J., & Hogan, T. (2015, November). *Speech perception in childhood apraxia of speech: Language matters*. Technical Talk at American Speech-Language-Hearing Association Annual Convention, Denver, CO.
- Hogan, T., Alt, M., Gray, S., Baron, L., **Cabbage, K.L.**, Green, S., & Cowan, N. (2015, July). *Orthographic influences on word learning by second-graders with dyslexia and typical development*. Society for the Scientific Study of Reading, Waimea, HI.
- Cabbage, K.L., Hogan, T.P., & Carrell.** (2014, October). *Understanding phonological deficits in spoken and written language: The role of speech perception*. New England Research on Dyslexia Society, Boston, MA.
- Hogan, T.P., Gray, S., Alt, M., Green, S.B., **Cabbage, K.L.**, & Cowan, N. (2014, September). *Working memory deficits in children with dyslexia: Global or local?* Seventh European Working Memory Symposium, Edinburgh, Scotland.
- Cabbage, K.L., Carrell, T.D., Hogan, T.P., & Molfese, D.M.** (2013, November). *Speech perception processes in children with phonological deficits: Evidence from behavioral and electrophysiological measures*. Technical Talk, at American Speech-Language-Hearing Association Annual Convention, Chicago, IL.
- Cabbage, K.L., Hogan, T.P. & Carrell, T.D.** (2012, August). *Perceptual skills underlying phonological deficits in children*. European Graduate Summer School on Literacy Acquisition.
- Cabbage, K.L., Hogan, T.P. & Carrell, T.D.** (2012, June). *Speech perception processes in children with underspecified phonological representations*. International Child Phonology Conference, Minneapolis, MN.
- Cabbage, K.L., Carrell, T.D., & Hogan, T.P.** (2011, November). *Amplitude modulation effects on speech perception in children and adults*. Poster presentation, at American Speech-Language-Hearing Association Annual Convention, San Diego, CA.
- Cabbage, K.L. & Carrell, T.D.** (2011, May). *Investigating the interaction of acoustic manipulation and neighborhood density on spoken word recognition*. Poster presentation, the 161st biannual meeting of the Acoustical Society of America, Seattle, WA.
- Cabbage, K.L. & Carrell, T.D.** (2010, November). *Neighborhood density and the perception of acoustically sparse speech*. Poster presentation, American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.

Cabbage, K.L. & Tuomi, S. (2004). *Phonological characteristics of identical twin children with phonological impairments.* Poster presentation, Washington Speech-Language-Hearing Association Annual Convention, Spokane, WA.

STUDENT-SUPPORTED COMPETITELY REVIEWED RESEARCH PRESENTATIONS

Andersen, M.D, **Cabbage, K.L.**, Hogan, T.P., Molfese, D.L., & Carrell, T.D. (2013). *Behavioral and electrophysiological speech perception in children.* Poster presentation, University of Nebraska-Lincoln, undergraduate research fair.

Franzluebbers, C.E., **Cabbage, K.L.**, Hogan, T.P., & Molfese, D.L. (2012). *Electrophysiological processing of speech.* Poster presentation, University of Nebraska-Lincoln, undergraduate research fair.

OTHER RESEARCH PRESENTATIONS

Cabbage, K.L. (2015, November). *The nature of phonological deficits in spoken and written language: The role of speech perception.* Invited research presentation to the Department of Communication Disorders, Brigham Young University, Provo, UT.

Cabbage, K.L. (2014, May). *Phonological deficits in children: Perception matters.* Invited research presentation to Haskins Laboratories, Director: Dr. Ken Pugh. Haskins Laboratories, New Haven, CT.

Cabbage, K.L. (2013, September). *Understanding the nature of phonological deficits: Evidence from behavioral and electrophysiological measures of speech perception.* Invited research presentation to Doctoral Seminar, MGH Institute of Health Professions, Boston, MA.

Cabbage, K.L. (2013, April). *Perceptual skills underlying phonological deficits in children.* Invited research presentation to Developmental Brain Laboratory, Director: Dr. Dennis L. Molfese. Psychology Department, University of Nebraska-Lincoln, Lincoln, NE.

Cabbage, K.L., (2011, October). *Speech perception processes in children with underspecified phonological representations.* Communication Disorders Brown Bag, University of Nebraska-Lincoln, Lincoln, NE.

Cabbage, K.L., (2011, February). *The effect of sampling rate on the interpretation of word recognition in sentences.* Communication Disorders Brown Bag, University of Nebraska-Lincoln, Lincoln, NE.

Cabbage, K.L. (2010, April). *Investigation of the structure of the mental lexicon using acoustically underspecified speech.* Communication Disorders Brown Bag, University of Nebraska – Lincoln, Lincoln, NE.

INVITED WORKSHOPS

Cabbage, K.L. (2016, October). *Literacy and Language: Specific Language Impairment.* Invited seminar for Massachusetts General Hospital Literacy Conference. Boston, MA.

Cabbage, K.L. (2016, March). *Phonological Disorders in Children – Optimizing Treatment Practices.* Invited half-day seminar for Rhode Island Speech Language Hearing Association, Providence, RI.

Cabbage, K.L. (2016, March). *Language and Literacy: What SLPs Can (and should) Bring to*

the Table. Invited half-day seminar for Rhode Island Speech Language Hearing Association, Providence, RI.

Cabbage, K.L. (2008). *Kindergarten Readiness: Your Child's Speech, Language, and Literacy Development*. Parent Education Workshop for Richland School District, Richland, WA.

COURSES TAUGHT

PRIMARY INSTRUCTOR

- Fall 2017-present *COMD 330 Language Development*, undergraduate requirement, Brigham Young University, Provo, UT, Assistant Professor.
- Fall 2017-present *COMD 351 Disorders of Articulation and Phonology*, undergraduate requirements, Brigham Young University, Provo, UT, Assistant Professor.
- Summer 2016-2017 *CSD 553 Language Acquisition*, graduate prerequisite, MGH Institute of Health Professions, Boston, MA, Adjunct Instructor
- Spring 2014-2017 *SLPA 6322 Language Literacy*, graduate requirement, Northeastern University, Boston, MA, Adjunct Instructor
- Spring 2015-2017 *CDIS-335 Introduction to Speech and Hearing Science*, online undergraduate requirement, University of Nebraska – Kearney, Kearney, MA, Adjunct Instructor
- Fall 2015-2016 *CSD 823 Development and Disorders of Spoken and Written Language*, graduate requirement, MGH Institute of Health Professions, Boston, MA, Adjunct Instructor
- Spring 2011 *SLPA 250 Phonetics*, undergraduate requirement, University of Nebraska-Lincoln, Independent Instructor

CO-INSTRUCTOR

- Summer 2015-2016 *CD 826 Leading Literacy Change*, graduate elective, MGH Institute of Health Professions, Co-Instructor: Dr. Tiffany Hogan
- Fall 2011 *SLPA 851 Clinical Phonology* teaching assistant, graduate requirement, University of Nebraska-Lincoln, Co-Instructor: Dr. Tiffany Hogan
- Spring 2010 *SLPA 250 Phonetics Laboratory*, undergraduate requirement, University of Nebraska-Lincoln, Co-Instructor: Dr. Thomas Carrell

- Spring 2009 *SLPA 884 Speech and Language Development in Hearing-Impaired Populations*, graduate elective, University of Nebraska-Lincoln, Co-Instructor: Dr. Malinda Eccarius
- Spring 2003 *COMD 322 Neuroanatomy Laboratory*, undergraduate requirement, Eastern Washington University, Primary Instructor: Dr. Jane Pimentel
- Fall 2002 *COMD 321 Anatomy and Physiology of Speech Production Laboratory*, undergraduate requirement, Eastern Washington University, Primary Instructor: Dr. Jane Pimentel

GUEST LECTURER

- Spring 2015 *SLPA 6301 Speech Science*, Northeastern University, Primary Instructor: Dr. Jenya Iuzzini-Siegel, Lecture: Speech Perception.
- Fall 2013 *CD 197 Learning and Attentional Difficulties: Assessment and Teaching*, Tufts University, Primary Instructor: Dr. Samantha Daley, Lecture: Speech/Language
- Spring 2013 *SLPA 150 Introduction to Communication Disorders*, undergraduate requirement, University of Nebraska-Lincoln, Primary Instructor: Dr. Charles Healey, Lectures (3): Articulation and Phonology Development
- Fall 2012 *SLPA 150 Introduction to Communication Disorders*, undergraduate requirement, University of Nebraska-Lincoln, Primary Instructor: Dr. Charles Healey, Lectures (3): Articulation and Phonology Development
- Spring 2010 *SLPA 456 Speech and Hearing Science*, undergraduate requirement, University of Nebraska-Lincoln, Primary Instructor: Dr. Thomas Carrell
Lecture: Spectrogram Reading

AWARDS AND HONORS

- 2016** Invited Commencement Speaker, Eastern Washington University College of Health Science and Public Health
- 2012** Barkley Memorial Trust Travel Grant, \$800
- 2012** College of Education and Human Sciences Travel Grant, \$800
- 2011** New Century Doctoral Scholarship Award, American Speech-Language Hearing Foundation Award, \$10,000
- 2011** Barkley Memorial Trust Travel Grant, \$500
- 2010** College of Education and Human Sciences Travel Grant, \$250
- 2010** Preparing Future Faculty Fellow: nominated and accepted for participation
- 2008-2010** Barkley Scholarship, University of Nebraska-Lincoln
- 2004** Outstanding Graduate Student of the Year, Communication Disorders, Eastern Washington University

- 2002-2003** Graduate Teaching Fellowship Award, Eastern Washington University
2002 Outstanding Undergraduate Student of the Year, Communication Disorders, Eastern Washington University
1998-2001 Eastern Washington University Honors' Scholarship Award

SERVICE

- 2012** Speech sound disorders in children, Topic Committee Member, American Speech-Language-Hearing Association
- 2010-2012** Co-Founder and Student Director of Special Education and Communication Disorders Doctoral Student Organization, University of Nebraska-Lincoln
- 2009-2010** Special Education and Communication Disorders Department Chair Search, Student Representative, University of Nebraska-Lincoln

PROFESSIONAL MEMBERSHIPS

American Speech-Language-Hearing Association, Special Interest Divisions #1 and #5
 Society for the Scientific Study of Reading
 Acoustical Society of America,
 Massachusetts Speech-Language-Hearing Association
 Nebraska Speech-Language-Hearing Association
 Washington Speech-Language-Hearing Association

ADVANCED TRAINING

- 2014 (Winter)** *ASHA's Research Mentoring (ARM) Network: Pathways program.* Selected for participation and paired with a senior researcher in the field for mentorship beginning with an initial 2-day conference at ASHA's National Office followed by a year of ongoing contact and guidance toward the development of an independent research career.
- 2011 (Summer)** *Developmental Brain Lab Bootcamp,* Small-group intensive 15-hour training on methodological procedures for research involving event-related potentials (ERP). Training included electrode placement, synchronizing computer systems for data collection, proper care and maintenance of equipment, and data recording procedures pertinent to physiological data. Lab Director: Dr. Dennis Molfese. University of Nebraska-Lincoln, Lincoln, NE.
- 2011 (Spring)** *Write Winning Grants,* Grant Writers' Seminars and Workshops, day seminar sponsored by the University of Nebraska-Lincoln, Lincoln, NE

2011 (Spring)

Science: Becoming the Messenger, Research dissemination seminar sponsored by the National Science Foundation. Lincoln, NE