

Curriculum Vitae

KRISTEN M. ALLISON, Ph.D., CCC-SLP

Assistant Professor
Department of Communication Sciences and Disorders
Bouvé College of Health Sciences
Northeastern University

EDUCATION

- 2011- 2015 University of Wisconsin- Madison
Ph.D., Communication Sciences & Disorders
(Dissertation: *Classification of pediatric dysarthria in cerebral palsy*.
Advisor: Katherine Hustad, Ph.D.)
- 2003-2005 University of Texas at Austin
M.A., Communication Sciences and Disorders (May 2005)
(Master's thesis: *Effect of typicality on lexical processing of feature-based
and perceptually-based categories: a paradigm for isolating semantic
feature processing*. Advisor: Swathi Kiran, Ph.D.)
- 1998-2002 Northwestern University
B.S., Communication Sciences and Disorders (June 2002)
(Honors Thesis: *Lateral dominance for 'rhyming' in language and music*.
Advisors: James Booth, Ph.D. and Richard Ashley, Ph.D.)

PROFESSIONAL EXPERIENCE

- 2018-present Assistant Professor, Northeastern University, Department of
Communication Sciences and Disorders
- 2015-2017 Postdoctoral Research Fellow, Massachusetts General Hospital- Institute
of Health Professions, Speech and Feeding Disorders Laboratory
(PI: Jordan Green, Ph.D.)
- 2014-2015 Fellow, Ruth L. Kirschstein National Research Service Award Individual
Predoctoral Fellowship, NIDCD, University of Wisconsin – Madison
(Sponsor: Katherine Hustad, Ph.D.)
- 2011-2014 Graduate Research Assistant, Waisman Center, University of Wisconsin –
Madison, Speech Intelligibility and Augmentative Communication
Laboratory (PI: Katherine Hustad, Ph.D.)
- 2006-2011 Speech-Language Pathologist, Kennedy Krieger Institute: Specialized
Transition Program, Baltimore, MD
- 2005-2006 Speech-Language Pathologist (Clinical Fellowship)
Kennedy Krieger Institute: Inpatient Neurobehavioral Unit/ Outpatient
Speech-Language Department/ Specialized Transition Program,
Baltimore, MD

- 2003-2005 Research Assistant, UT Austin, Department of Communication Sciences and Disorders, Aphasia Laboratory (PI: Swathi Kiran, Ph.D.)
- 2000 Research Assistant, Northwestern University, Department of Communication Sciences and Disorders, Speech Physiology Laboratory (PI: Charles Larson, Ph.D.)

TEACHING EXPERIENCE

- 2016 Guest lecturer, Emerson College, CD 312 Survey of Speech Disorders, 10/27/16 (Instructor: Crystle Alonzo, Doctoral Candidate); CD 868 Preschool Language Disorders; 11/28/16 and 11/30/16 (Professor: Kelly Farquharson, Ph.D.)
- 2016 (Summer) Co-instructor, MGH Institute of Health Professions, Department of Communication Sciences and Disorders, CD 833 Neuromotor Speech Disorders
- 2015 (Spring) Teaching Assistant, University of Wisconsin-Madison, Department of Communication Sciences and Disorders, CSD 110 Introduction to Communication Disorders (Professor: Katherine Hustad, Ph.D.)
- 2013-2014 Doctoral student mentor for undergraduate honors thesis: *Determining the Best Acoustic Correlate of Intelligibility for Children with Cerebral Palsy and Dysarthria* (Mentee: Marisa Policiccio)
- 2013 Mentored teaching experience, University of Wisconsin- Madison, CSD 705 Augmentative and Alternative Communication & Motor Speech Disorders, (Professor: Katherine Hustad, Ph.D.)
- 2004-2005 Teaching Assistant, UT Austin, Department of Communication Sciences and Disorders, CSD 368K Acquisition of Communication Abilities in Children (Instructor: Amory Cable, Doctoral Candidate)

GRANT SUPPORT

NIH, NIDCD F31 DC013925-01 (Allison, PI) 01/2014 – 01/2015
Classification of pediatric dysarthria in cerebral palsy

Sponsor: K.C. Hustad

The goal of this individual predoctoral training grant was to use acoustic and perceptual measures to identify data-driven subgroups of children with dysarthria secondary to cerebral palsy.

NIH, NIDCD F32 DC016484-01 (Allison, PI) 04/2017- present
Biomechanics of articulatory imprecision in children with cerebral palsy

Sponsor: J.R. Green

The goal of this individual postdoctoral training grant is to use articulatory kinematic measures to identify biomechanical constraints limiting intelligible speech and to quantify articulatory imprecision in children with dysarthria secondary to CP.

HONORS AND AWARDS

2014	Emma Allen Fellowship Award, University of Wisconsin-Madison
2012	Jeanette Anderson Hoffman Wisconsin Distinguished Graduate Fellowship Award
2011	Award for Best Scientific Poster, American Academy of Cerebral Palsy and Developmental Medicine (AACPD) 65 th annual meeting
2004	American Speech and Hearing Foundation Graduate Student Scholarship
2004	Sally Paul Fellowship for clinical and academic achievement, University of Texas at Austin
2003	University Preemptive Fellowship, University of Texas at Austin
2001	Undergraduate Research Grant, Northwestern University

CERTIFICATIONS AND LICENSURE

2006- present	American Speech-Language-Hearing Association (ASHA) Clinical Certificate of Competence in Speech-Language Pathology
2011- present	Wisconsin State License in Speech-Language Pathology

PROFESSIONAL ACTIVITIES

Editorial Consultant

Folia Phoniatica et Logopaedica
 International Journal of Speech-Language Pathology
 Journal of Speech, Language, and Hearing Research
 Journal of Pediatric Rehabilitation Medicine

PEER-REVIEWED PUBLICATIONS

1. Reidy, T., Naber, E., Viguers, E., **Allison, K.**, Brady, K., Carney, J., Salorio, C., & Pidcock, F. (2012). Outcomes of a Clinic Based Pediatric Constraint Induced Movement Therapy. *Physical & Occupational Therapy In Pediatrics*. 32(4), 355-367.
2. Hustad, K.C., **Allison, K.M.**, McFadd, E., & Riehle, K. (2013). Speech and Language Development in 2 Year Old Children with Cerebral Palsy. *Developmental Neurorehabilitation*, 17(3), 167-175.
3. **Allison, K.M.** & Hustad, K.C. (2014). Impact of sentence length and phonetic complexity on intelligibility of 5-year-old children with cerebral palsy. *International Journal of Speech-Language Pathology*, 16(4), 396-407.
4. Hustad, K.C., Oakes, A., & **Allison, K.M.** (2015). Variability, stability, and diagnostic accuracy of speech intelligibility scores in children. *Journal of Speech Language and Hearing Research*, 58(6), 1695-1707.

5. Hustad, K.C., Oakes, A., McFadd, E., & **Allison, K.M.** (2015) Alignment of classification paradigms for communication in children with cerebral palsy. *Developmental Medicine and Child Neurology*. epub ahead of print
6. Hustad, K.C., **Allison, K.M.**, Sakash, A., McFadd, E., Broman, A.T., Rathouz, P.J. (2016). Longitudinal development of communication in children with cerebral palsy between 24 and 53 months: Predicting speech outcomes. *Developmental Neurorehabilitation*, epub ahead of print.
7. **Allison, K.M.**, Reidy, T.G., Boyle, M., Naber, E., Carney, J. & Pidcock, F.S. (2017). Speech production gains following constraint-induced movement therapy in children. *Journal of Pediatric Rehabilitation Medicine*, 10, 3-9.
8. **Allison, K. M.**, Annear, L., Policicchio, M., & Hustad, K. C. (2017). Range and Precision of Formant Movement in Pediatric Dysarthria. *Journal of Speech, Language, and Hearing Research*, 60(7), 1864-1876.
9. **Allison, K.M.**, Yunusova, Y., Campbell, T., Wang, J., Berry, J. & Green, J.R. (2017). The diagnostic utility of patient-report and speech-language pathologists' ratings for detecting the early onset of bulbar symptoms due to ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 1-9.
10. **Allison, K.M.** & Hustad, K.C. (submitted). Acoustic predictors of pediatric dysarthria in cerebral palsy.
11. **Allison, K.M.** & Hustad, K.C. (in preparation) Classification of pediatric dysarthria in cerebral palsy.

OTHER PUBLICATIONS

1. **Allison, K.** (2008). Pediatric TBI: Subtle deficits are important. *Advance for Speech Language Pathologists and Audiologists*, 18(45), 5.
2. **Allison, K.** & Turkstra, L.S. (2012). Navigating medical speech-language pathology reports for children with TBI. *Perspectives on School-Based Issues*, 13, 63-69.
3. Byom, L.J., **Allison, K.M.**, & Turkstra, L.S. (2013). Issues in the assessment and treatment of cognitive-communication disorders in children with TBI. In McDonald, Togher, and Code (Eds.), *Communication Disorders Following Traumatic Brain Injury*. Psychology Press.
4. **Allison, K.M.**, Byom, L.J., & Turkstra, L.S. (2017). Traumatic brain injury in children and adolescents. In A.F. Johnson & B.H. Jacobsen (Eds.), *Medical Speech-Language Pathology: A practitioner's guide* (Third ed.) New York: Thieme.

PRESENTATIONS

1. Zabel, A., Cole, W. & **Allison, K.** (2007). *Alexia without agraphia in a left-handed adolescent following TBI*. Oral presentation. Brain Injury Association of Maryland Annual Conference. Baltimore, MD.
2. **Allison, K.**, & Catalini, J. (2009). *Speech and language strategies for students with Acquired Brain Injuries*. Oral presentation. Brain Injury Association of Maryland Annual Conference. Baltimore, MD.

3. **Allison, K.** & Sharar, A. (2009). *Speech and language strategies for students with Acquired Brain Injuries*. Continuing education presentation. Association of Baltimore City Speech-Language Pathologists. Baltimore, MD.
4. **Allison, K.**, Boyle, M., Brady, K. & Garcia, T. (2010). *Speech production gains following constraint-induced movement therapy in children*. Poster presentation. American Speech-Language and Hearing Association Annual Convention. Philadelphia, PA.
5. Reidy, T., **Allison, K.**, Naber, E., & Boyle, M. (2011). *Comparing Changes in bimanual skills with speech production gains following CIMT in children*. Poster presentation. American Academy of Cerebral Palsy and Developmental Medicine 65th Annual Meeting, Las Vegas, NV. (Abstract published in *Developmental Medicine and Child Neurology*, Vol. 53 Supplement 5, p.69-70).
6. McFadd E., Sterling, A., **Allison, K.**, & Hustad, K.C. (2012) *Fostering interactions: early communication development in children with developmental disabilities*. Seminar. American Speech-Language-Hearing Association Annual Convention. Atlanta, GA.
7. **Allison, K.**, Hustad, K.C., McFadd, E., & Natzke, P. (2012) *Communication development in two-year-old children with cerebral palsy*. Technical session. American Speech-Language-Hearing Association Annual Convention. Atlanta, GA.
8. **Allison, K.** & Hustad, K.C. (2012) *Pediatric dysarthria: Evidence & best practices for assessment & treatment*. Seminar. American Speech-Language-Hearing Association Annual Convention. Atlanta, GA.
9. **Allison, K.** & Hustad, K.C. (2012) *Children with cerebral palsy: Developmental speech-language change from 2-4 years*. Technical session. American Speech-Language-Hearing Association Annual Convention. Atlanta, GA.
10. McFadd, E., **Allison, K.M.**, Smith, A., & Hustad, K.C. (2013). *Speech and language development in young children with cerebral palsy*. Breakfast session. American Academy of Cerebral Palsy and Developmental Medicine Annual Conference. Milwaukee, WI.
11. **Allison, K.M.**, McFadd, E., & Hustad, K.C. (2013). *Predictors of speech intelligibility in children with cerebral palsy*. Poster session. American Speech-Language-Hearing Association Annual Convention. Chicago, IL.
12. **Allison, K.M.** & Hustad, K.C. (2014). *Relationship of Sentence Characteristics to Intelligibility for Children with Dysarthria*. Poster presentation. Motor Speech Conference. Sarasota, FL.
13. **Allison, K.M.**, Policicchio, M., Annear, L., & Hustad, K.C. (2014). *Formant movement in pediatric dysarthria: Reduction or imprecision?* Poster session. American Speech-Language-Hearing Association Annual Convention. Orlando, FL.
14. **Allison, K.M.** & Hustad, K.C. (2015) *Acoustic predictors of dysarthria in children with cerebral palsy*. Poster session. American Speech-Language-Hearing Association Annual Convention. Denver, CO.
15. Hustad, K.C., Oakes, A. & **Allison, K.M.** (2015) *Variability, stability, and diagnostic accuracy of speech intelligibility scores in children*. Poster session. American Speech-Language-Hearing Association Annual Convention. Denver, CO.

16. Hustad, K.C. & **Allison, K.M.** (2015) *Trajectories of change in speech & language among children with cerebral palsy*. Poster session. American Speech-Language-Hearing Association Annual Convention. Denver, CO.
17. Hustad, K.C., **Allison, K.M.**, Oakes, A. & McFadd, E. (2015) *Children with cerebral palsy: Studies of classification and patterns of change in speech and language*. Seminar. American Speech-Language-Hearing Association Annual Convention. Denver, CO.
18. **Allison, K.M.** & Hustad, K.C. (2016) *Classification of pediatric dysarthria in cerebral palsy*. Poster session. Motor Speech Conference. Newport Beach, CA.
19. Green, J.R., **Allison, K.M.**, Piro, E., Pattee, G., & Smith, R. (2016). *The effects of Nuedexta on speech pause time*. Northeast Amyotrophic Lateral Sclerosis Consortium Annual Meeting. Clearwater Beach, FL.
20. **Allison, K.M.**, Yunusova, Y., Wang, J., & Green, J.R. (2016) *Perceptual, instrumental, and self-detection of early bulbar changes in ALS*, Poster session. American Speech-Language-Hearing Association Annual Convention. Philadelphia, PA.