

# Kathryn P. Connaghan, Ph.D. (CCC-SLP)

Dept. of Communication Sciences & Disorders  
MGH Institute of Health Professions  
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## **EDUCATION**

|      |       |                         |                                |
|------|-------|-------------------------|--------------------------------|
| 2004 | Ph.D. | Speech Science          | University of Washington       |
| 1993 | M.A.  | Communication Disorders | University of Minnesota        |
| 1989 | BSc.  | Biopsychology           | University of British Columbia |

## **PROFFESIONAL EXPERIENCE**

**Assistant Professor** September 2022-current  
Speech & Social Interaction Lab  
Department of Communication Sciences & Disorders  
MGH Institute of Health Professionals  
Kathryn Connaghan, Director

**Assistant Professor** August 2021-September 2022  
**Research Associate** May 2018 – July 2021  
Speech and Feeding Laboratory  
Department of Communication Sciences & Disorders  
MGH Institute of Health Professionals  
Jordan Green, Director

**Associate Research Scientist** Jan. 2014 – Sept. 2020  
**Research Fellow** Sept. 2010-Dec. 2013  
Communication Analysis & Design Laboratory  
Department of Communication Sciences & Disorders  
Northeastern University  
Rupal Patel, Director

**Academic Research Assistantships**  
Laboratory of Speech Physiology, University of Washington 1999-2004  
Christopher A. Moore, Director

Laboratory of Quantitative Neurology, University of Minnesota 1991-1993  
John Sidtis, Director

## Mentoring

### Master's Theses, Northeastern University

- Chelsea Wertheim: *Attitudes Toward Speakers with Dysarthria: A Comparison of Naïve, Clinician, and Emergency Worker Listener Judgments* (Advisor) 2014-2015
- Zachary Kopp: *Acoustic-Phonetic Convergence by Typically Developing Adolescents Speakers* (Advisor) 2017-2018
- Julie Peters: *An Examination of Maternal Language and Prosody During Feeding and Play* (Committee Member) 2017-2018
- Paige McCarthy: *An Examination of Non-Nutritive Suck in Healthy Full-Term Infants* (Committee Member) 2017-2018
- Jessica Bren: *Effects of Automaticity and Melody on Speaking Rate in Preschoolers* (Committee Member) 2019-2020
- Kayla Doherty: *The Impact of Communication Breakdowns on Social Participation In Children with Cerebral Palsy* (Committee Member) 2020-2021

### Master's Thesis, MGH Institute of Health Professions

- Amanda Miller: *The Development of a Novel Task to Measure Speech Motor Learning* (Co-Advisor) 2020-2021
- Nan Lu: *Attitudes Toward Speakers with Amyotrophic Lateral Sclerosis: A Pilot Study* (Advisor) 2022-current

### Undergraduate Research Internships

- Colby Stakun-Pickering (Bates College undergraduate) - provided support to facilitate automated analysis of smartphone data for project titled *The impact of dysarthria on communicative participation in people with ALS*. (Supervisor) Summer 2021
- Jenna Coldarci (Suffolk University Undergraduate Psychology Internship) – provided research support for project titled *Longitudinal remote analysis of articulatory motor performance in individuals with amyotrophic lateral sclerosis (ALS)* (Co-Supervisor) Spring 2021

Electrical and Computer Engineering Capstone (Northeastern University) 2016-2017  
*A Kinect-enabled Game to Support Speech and Motor Retraining for Children with Cerebral Palsy* (Co-supervisors: Waleed Meleis & Danielle Levac)

## Teaching

Invited Lecturer - *Motor Speech Disorders*, MGH-Institute of Health Professions Spring 2022  
Invited Lecturer - *Motor Speech Disorders*, University of Washington (UW) Spring 2020  
Invited Lecturer - *Motor Speech Disorders*, Arizona State University Spring 2018  
Invited Lecturer - *Motor Speech Disorders*, MGH-Institute of Health Professions Spring 2018  
Invited Lecturer – *Motor Speech Disorders*, Northeastern University Spring 2011-2014, 2017  
Invited Lecturer – *Speech Science*, Northeastern University Fall 2017  
Invited Lecturer – *Speech Sound Disorders Across the Lifespan*, Northeastern U Spring 2014  
Co-instructor - *Motor Speech Disorders*, Northeastern University Spring 2012  
Co-instructor - *Motor Speech Disorders*, U. of Washington Spring 2002  
Instructor - *Neuroanatomy and Neurologic Disorders Across the Lifespan*, UW Summer 2001  
Teaching Assistant – *Anatomy & Physiology for Speech and Hearing*, UW Spring 2001  
Teaching Assistant – *Speech and Language Disorders*, UW Fall 1998

**Clinical Speech-Language Pathologist**

Clinic Supervisor – University of Washington  
Seattle, WA

Fall 1998 – Summer 1999

Pediatric Speech-Language Pathologist, Asante Health Care,  
Medford, OR

1996-1998

Speech-language Pathologist, Rehabilitation Associates,  
Boise, ID

1994-1996

**PEER REVIEWED PUBLICATIONS**

Maffei, M.F., Green, J.R., Murton, O., Yunusova, Y., Rowe, H.P., Wehbe, F., Diana, K., Kathleen, Nicholson, K., Berry, J.D., & **Connaghan, K.P.** (In press). Acoustic measures of dysphonia in amyotrophic lateral sclerosis. *Journal of Speech, Language, & Hearing Research*.

Eshghi, M., Yunusova, Y., **Connaghan, K. P.**, Perry, B. J., Maffei, M. F., Berry, J. D., Zinman, L., Kalra, S., Korngut, L., Genge, A., Dionne, A., & Green, J. R. (2022). Rate of speech decline in amyotrophic lateral sclerosis: A longitudinal study of speaking rate and speech intelligibility. *Scientific Reports*, 12(1), 1-13.

**Connaghan, K.P.**, Baylor, C, Romanczyk, M., Rickwood, J., & Bedell, G. (2022). Communication and social Interaction experiences of youths with congenital motor speech disorders. *American Journal of Speech Language Pathology*, 31(6), 2609-2627.

Beukenhorst, A.L., Burke, K.M., Scheier, Z., Miller, T.M., Paganoni, S., Keegan, M., Collins, E., **Connaghan, K.**, Tay, A., Chan, J., Berry, J.D., & Onnela, J.P. (2022). Using smartphones to reduce research burden: assessing participant adherence in a neurodegenerative population and assessing participant adherence: A randomized clinical trial and two observational studies. *JMIR mHealth and uHealth*, 10(2), e31877.

Eshghi, M., **Connaghan, K.P.**, Gutz, S., Berry, J.D., Yunusova, Y., & Green, J.R. (2021). Co-occurrence of hypernasality and voice impairment in amyotrophic lateral sclerosis: Acoustic quantification. *Journal of Speech, Language, and Hearing Research*, 64(12), 4772-4783.

**Connaghan, K.P.**, Fisk, D., & Patel, R. (2021). The impact of musical training on understanding dysarthric speech: A preliminary investigation of transcription errors. *Communication Disorders Quarterly*, 42(2), 73-80. <https://doi.org/10.1177/1525740119886541>

**Connaghan, K.P.**, Wertheim, C., Laures-Gore, J., Russell, S., & Patel, R. (2021). An exploratory study of student, speech-language pathologist, and emergency worker impressions of speakers with dysarthria. *International Journal of Speech-Language Pathology*, 2(23), 265-274. <https://doi.org/10.1080/17549507.2020.1768286>

- Connaghan, K.P.**, Green, J.R., Paganoni, S., Chan, J., Weber, H., Collins, E., Richburg, B., Eshghi, M., Onnela, JP\*, & Berry, J.D.\* (\*shared senior author). Use of Beiwe smartphone app to identify and track speech decline in amyotrophic lateral sclerosis (ALS). *INTERSPEECH 2019*, 4504-4508.
- Berry, J.D., Paganoni, S., Carlson, K., Burke, K., Weber, H., Staples, P., Salinas, J., Chan, J., Green, J.R., **Connaghan, K.**, Barback, J., & Onnela, J.P. (2019). Design and results of a smartphone-based digital phenotyping study to quantify ALS progression. *Annals of Clinical and Translational Neurology*, 6(5), 873-881.
- Zimmerman, E., **Connaghan K.P.**, Hoover, J., Alu, D. & Peters. J. (2019). Is feeding the new play? An examination of the maternal language and prosody used during infant feeding and its relation to oromotor behaviors. *Infant Behavior and Development*, 54, 120-132.
- Connaghan, K.P.** & Patel, R. (2017). The impact of contrastive stress on vowel acoustics and intelligibility in dysarthria. *Journal of Speech, Language, and Hearing Research*, 60(1), 38-50. doi:10.1044/2016\_JSLHR-S-15-0291
- Kember, H., **Connaghan, K.P.**, & Patel, R. (2016). Inducing speech errors in dysarthria using tongue twisters. *International Journal of Language & Communication Disorders*, 52(4), 469-478. doi:10.1111/1460-6984.12285
- Patel, R. & **Connaghan, K.P.** (2014). Park Play: A picture description task for assessing childhood motor speech disorders. *International Journal of Speech-Language Pathology*, 16(4), 337-343.
- Patel, R., **Connaghan, K.P.**, & Campellone, P.J. (2013). The effect of rate reduction on signaling prosodic contrasts in dysarthria. *Folia Phoniatrica et Logopaedica*, 65(3), 109-116.
- Patel, R., **Connaghan, K.**, Franco, D., Edsall, E., Forgit, D., Olsen, L., Ramage, L., Tyler, E. & Russell, S. (2013). The Caterpillar: A novel reading passage for assessment of motor speech disorders. *American Journal of Speech Language Pathology*, 22, 1-9.
- Connaghan, K.P.** & Moore, C.A. (2013). Indirect estimates of jaw muscle tension in children with suspected hypertonia, suspected hypotonia, and matched controls. *Journal of Speech, Language, and Hearing Research*, 56, 123-136.
- Connaghan, K.P.** & Patel, R. (2012). Vowel intelligibility in motor speech impairment. *Journal of Medical Speech-Language Pathology*, 20(4), 133-139.
- Patel, R., Hustad, K., **Connaghan, K.P.** & Furr, W. (2012). Relationship between prosody and intelligibility in children with dysarthria. *Journal of Medical Speech-Language Pathology*, 20, 95-99.

**Connaghan, K.P.**, Moore, C.A., & Higashikawa, M. (2004). Respiratory kinematics during vocalization and nonspeech respiration in children from 9- to 48- months. *Journal of Speech, Language, and Hearing Research*, 47, 70-84.

**Connaghan, K. P.**, Moore, C.A., Reilly, K.J., Burkard, K., & Steeve, R.W. (2001). Development of coordination across speech systems in the production of syllabic and sentential stress. In B. Maassen, W. Hulstijn, R. Kent, H.F.M. Peters, P.H.M.M. van Lieshout (Eds.), *Proceedings of the 4<sup>th</sup> International Speech Motor Conference* (pp. 110-112). Nijmegen, the Netherlands: Uitgeverij Vantilt.

Campbell, T.F., Dollaghan, C.A., Adelson, P.D., Janosky, J., Balason, D., Nash, T., Rusiewicz, H., Feldman, H., Shriberg, L., Moore, C., **Connaghan, K.**, Brown, S.D., Pitcairn, D., & Reilly, K. (2001). Speech change in young children after severe traumatic brain injury. In B. Maassen, W. Hulstijn, R. Kent, H.F.M. Peters, P.H.M.M. van Lieshout (Eds.), *Proceedings of the 4<sup>th</sup> International Speech Motor Conference* (pp. 106-109). Nijmegen, the Netherlands: Uitgeverij Vantilt.

Skinder, A., **Connaghan, K.**, Strand, E., & Betz, S. (2000). Acoustic correlates of perceived lexical stress errors in children with developmental apraxia of speech. *Journal of Medical Speech Pathology*, 8, 279-284.

## **SELECTED PEER REVIEWED CONFERENCE PRESENTATIONS**

**Connaghan, K.P.**, Green, J.R., Haenssler, A.H., Johnson, S., Scheier, Z., Keegan, M., Clark, A., Iyer, A., Burke, K.M., & Berry, J.B. Longitudinal changes to communicative participation in ALS. 33<sup>rd</sup> International Symposium on ALS/MND, Virtual Conference, 2022.

Maffei, M.F., Green, J.R., Murton, O., Yunusova, Y., Rowe, H.P., Wehbe, F., Diana, K., Nicholson, K., Berry, J.D., & **Connaghan, K.P.** Cepstral/spectral measures of voice quality in amyotrophic lateral sclerosis. 33<sup>rd</sup> International Symposium on ALS/MND, Virtual Conference, 2022.

Haenssler, A., Green, J.R., et al., Maffei, M., Rowe, H., Kao, T., Scheier, Z., Clark, A., Burke, K.M., Onnela, JP, & Berry, & **Connaghan, K.P.** Approaches to evaluating speech severity of remote speech recordings. 33<sup>rd</sup> International Symposium on ALS/MND, Virtual Conference, 2022.

**Connaghan, K.P.**, Green, J.R., Haenssler, A.H., Miazza, R., Johnson, S., Scheier, Z., Keegan, M., Clark, A., Iyer, A., Burke, K.M., & Berry, J.B. Speech factors associated with changes to communicative participation in ALS. 2022 Annual NEALS Meeting, Clearwater, Florida.

Burke, K.M, Scheier, Z., Clark, A.P., Iyer, A., Brown, R., Pandey, V., Keegan, M., Chew, S., Gajos, K., **Connaghan, K.P.**, Remington, E., Gupta, A.S., Johnson, S.A., Erb, K., & Berry, J.D. Using

digital quantitative monitoring to quantify function and speech in amyotrophic lateral sclerosis (ALS). 2022 Annual NEALS Meeting, Clearwater, Florida.

Haenssler, A., Green, J.R., et al., Maffei, M., Scheier, Z., Clark, A., Burke, K.M., Onnela, JP, & Berry, & **Connaghan, K.P.** Assessing dysarthria severity of remote speech recordings. International Conference on Speech Motor Control, Gronigen, NL, 2022.

**Connaghan, K.P.**, Green, J.R., Haenssler, A.E., Scheier, Z., Keegan, M., Clark, A., Burke, K.M., Onnela, JP, & Berry, J.D. What can passive metrics tell us about communicative participation in ALS? Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Charleston, SC, 2022.

Eshghi, M., Green, J.R., Haenssler, A.E., Scheier, Z., Keegan, M., Clark, A., Burke, K.M., Berry, J.D., & **Connaghan, K.P.** Acoustic quantification of respiratory function in amyotrophic lateral sclerosis. Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Charleston, SC, 2022.

Rusiewicz, H.L., **Connaghan, K.P.**, & Daley, C. The effect of manual gestures on vowel acoustics of sung German vowels. Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Charleston, SC, 2022.

Murton, O., **Connaghan, K.P.**, Eshghi, M., Maffei, M., Green, J.R. When is a voice measure not a voice measure? Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Charleston, SC, 2022.

**Connaghan, K.P.**, Green, J.R., A.E., Scheier, Z., Keegan, M., Clark, A., Burke, K.M., Onnela, JP, & Berry, J.D. The association of passive smartphone mobility measures and communicative participation in ALS. 32<sup>nd</sup> International Symposium on ALS/MND, Virtual Conference, 2021.

Perry, B.J., Gutz, S., Eshghi, M., Scheier, Z., Keegan, M., Clark, A., Burke, K.M., Green, J.R., Berry, J.D., & **Connaghan, K.P.** Remote cough monitoring for predicting bulbar & respiratory impairment. 32<sup>nd</sup> International Symposium on ALS/MND, Virtual Conference, 2021.

Okada, J., Green, J.R., Berry, J.D., Richburg, B., & **Connaghan, K.P.** The association of vowel acoustics and communicative participation of people with ALS. The American Speech-Language-Hearing Association, Virtual, 2021.

Maffei, M.F., Green, J.R., Yunusova, Y., Rowe, H., Cordella, C., Murton, O., Nicholson, K., J.D. Berry, J.D., & **Connaghan, K.P.** Acoustic measures of phonatory impairment in amyotrophic lateral sclerosis (ALS). The American Speech-Language-Hearing Association, Washington DC, 2021.

Miller, A.J., **Connaghan, K.P.**, Green, J.R., & Stipancic, K.L. The development of a novel task for testing speech motor learning. The American Speech-Language-Hearing Association, Washington DC, 2021.

**Connaghan, K.P.**, Rowe, H.P., Okada, J., Fox, A.B., Richburg, B., Berry, J.D., & Green, J.R. The association of acoustic measures of speech function with communicative participation in ALS. 2021 Boston Speech Motor Control Symposium, Virtual Conference, 2021.

Coladarci, J.N, Rowe, H.P., **Connaghan, K.P.**, Berry, J.D., & Green, J.R. Longitudinal remote analysis of articulatory motor performance in individuals with amyotrophic lateral sclerosis (ALS). 2021 Boston Speech Motor Control Symposium, Virtual Conference, 2021.

**Connaghan, K.P.**, Green, J.R, Rowe, H.P., Richburg, B., Onella, J.P., & Berry, J.D. The association of bulbar impairment and communicative participation in ALS. 31<sup>st</sup> International Symposium on ALS/MND, Virtual Conference, 2020.

Anez-Brunzual, I., Lewis, A., Burke, K., Lucente, D., Jockel-Balsarotti, J., Clapp, M., Malcolm, A., Stirrat, T., Berry, S., Gendron, T., Prudencio, M., **Connaghan, K.**, Chan, J., Green, J., Petrucelli, L., Berry, J., Miller, T., & Nicholson, K. An interval look at early markers of disease in familial ALS. 31<sup>st</sup> International Symposium on ALS/MND, Virtual Conference, 2020.

**Connaghan, K.P.**, Green, J.R, Collins, E., Richburg, B., Onnala, J.P., & Berry, J.D. The impact of bulbar impairment on communicative participation of people with ALS. 2020 Annual NEALS meeting, Virtual Conference, 2020.

**Connaghan, K.P.**, Baylor, C., Romanczyk, M., Rickwood, J., & Bedell, G. Social interaction and communicative participation experiences of youth with congenital dysarthria. Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Santa Barbara, CA, 2020.

**Connaghan, K.P.**, Gutz, S., Eshghi, M., Stipancic, K., Richburg, B., Nicholson, K., Yunusova, Y., Collins, E., Miller, T., Jockel-Balsarotti, J., Clapp, M., Garrad, E., Onnala, JP., Berry, J.D., & Green, J.R. Effects of task repetition on acoustic measures of speech produced by persons with amyotrophic lateral sclerosis. Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Santa Barbara, CA, 2020.

Eshghi, M., **Connaghan, K.P.**, Gutz, S., Berry, J.D., Yunusova, Y., & Green, J.R. Acoustic correlates of comorbid voice and resonance impairment in individuals with amyotrophic lateral sclerosis. Acoustical Society of America, San Diego, CA, 2019.

Rickwood, J.R., Romanczyk, M., & **Connaghan, K.P.** Beyond intelligibility: Communicative participation of adolescents with motor speech disabilities. Poster presented at the American Speech-Language-Hearing Association Convention, Orlando, FL, 2019.

**Connaghan, K.P.**, Green, J.R., Paganoni, S., Chan, J., Weber, H., Collins, E., Richburg, B., Eshghi, M., Onnela, J.P., & Berry, J.D Tracking bulbar impairment using the Beiwe smartphone App. 30th International Symposium on ALS/MND, Perth, Australia, 2019.

**Connaghan, K.P.**, Green, J.R., Paganoni, S., Chan, J., Weber, H., Collins, E., Richburg, B., Eshghi, M., Onnela, J.P.\*, & Berry, J.D.\* (\*shared senior author). Use of Beiwe smartphone app to identify and track speech decline in amyotrophic lateral sclerosis (ALS). INTERSPEECH, Graz, Austria, 2019.

Green, J.R., **Connaghan, K.P.**, Yunusova, Y., Stipancic, K., Gutz, S., Rowe, H. Cordella, C., & Berry, J. Exploring voice measures to track disease onset and progression in Amyotrophic Lateral Sclerosis (ALS). 29th International Symposium on ALS/MND, Glasgow, Scotland, 2018.

Zimmerman, E., Hoover, J., Alu, D. & Peters. J., & **Connaghan K.P.** Is feeding the new play? An examination of the maternal language and prosody used during infant feeding and its relation to oromotor behaviors. Presented to the American Speech-Language-Hearing Association, Boston, MA, 2018.

**Connaghan, K.P.** & Kopp, Z. Speech accommodation by adolescents across communication partners. Acoustical Society of America, Victoria, BC, Canada, 2018.

Green, J.R., **Connaghan, K.P.**, Yunusova, Y., Stipancic, K., Gutz, S., Rowe, H. Cordella, C., & Berry, J. Vocal changes across disease progression in Amyotrophic Lateral Sclerosis (ALS). Acoustical Society of America, Victoria, BC, Canada, 2018.

**Connaghan, K.P.**, Reilly, D., & Patel, R. Listener impressions of speakers with dysarthria secondary to cerebral palsy. Conference on Speech Motor Control, Savannah, GA, 2018.

Zimmerman, E., Alu, D., & **Connaghan, K.** Exploring the relationship between oromotor behaviors and maternal prosody. Conference on Speech Motor Control, Savannah, GA, 2018.

Kopp, Z., & **Connaghan, K.** Acoustic–phonetic convergence during adolescence. American Speech-Language-Hearing Association Convention, Los Angeles, CA, 2017.

Alu, D., Zimmerman, E., & **Connaghan, K.** An examination of maternal prosody in feeding and play. American Speech-Language-Hearing Association Convention, Los Angeles, CA, 2017.

**Connaghan, K.P.** & Rusiewicz, H.L. The impact of deictic gesture on vowel acoustics in childhood apraxia of speech. Acoustical Society of America, Boston, MA, 2017.

**Connaghan, K.P.** & Patel, R. The impact of contrastive stress on word and sentence intelligibility across severity of dysarthria due to cerebral palsy. American Speech-Language-Hearing Association Convention, Philadelphia, PA, 2016.



Reilly, D., **Connaghan, K.P.** & Patel, R. Speech characteristics and listener attitudes toward speakers with dysarthria secondary to cerebral palsy. American Speech-Language-Hearing Association Convention, Philadelphia, PA, 2016.

**Connaghan, K.P.** & Patel, R. Listener-oriented speech modulation in dysarthria. Conference on Speech Motor Control, Newport Beach, CA, 2016.

Rusiewicz, H.L. & **Connaghan, K.P.** The influence of deictic gestures on prosodic stress produced by children with and without childhood apraxia of speech. Conference on Speech Motor Control, Newport Beach, CA, 2016.

Fisk, D., **Connaghan, K.P.**, & Patel, R. The impact of musical training on perception of dysarthric speech. Conference on Speech Motor Control, Newport Beach, CA, 2016.

**Connaghan, K.P.** & Patel, R. Pitch perturbation of prosodic contrasts in speakers with and without cerebral palsy. Presented to the American Speech-Language-Hearing Association Convention, Denver, CO, 2015.

Patel, R., **Connaghan, K.**, Smith, B., & O'Donovan, C. The Park Play App: A web-based assessment tool for childhood motor speech disorders. American Speech-Language-Hearing Association Convention, Orlando, FL, 2014.

Rusiewicz, H.L. & **Connaghan, K.P.** Gesture-prosody interaction. American Speech-Language-Hearing Association Convention, Orlando, FL, 2014.

Kember, H., **Connaghan, K.P.**, & Patel, R. Inducing speech errors in dysarthria using tongue twisters. Conference on Speech Motor Control, Sarasota, FL, 2014.

**Connaghan, K.P.** & Patel, R. The impact of prosodic strategies on intelligibility in childhood motor speech disorders. Conference on Speech Motor Control, Santa Rosa, CA, 2012.

Patel, R., Hustad, K., **Connaghan, K.**, Wiegand, K., & Furr, W. Relationship between prosody and intelligibility in children with dysarthria. Conference on Speech Motor Control, Santa Rosa, CA, 2012.

Venkatesh, L., Moore, C.A., Reilly, K.J., **Connaghan, K.P.**, & Steeve, R.W. Timing of oronasal coupling in children. American Speech-Language-Hearing Association Convention, Chicago, IL, 2003.

Rusiewicz, H.L., **Connaghan, K.P.**, Moore, C.A., & Campbell, T.F. Segmental, suprasegmental, and speech movement characteristics following pediatric brain injury. American Speech-Language-Hearing Association Convention, Atlanta, GA, 2002.

Reilly, K.J., Moore, C.A., Steeve, R.W., **Connaghan, K.P.**, & Almand, K.B. Respiratory and laryngeal modulation of  $f_0$  and intensity in 7-month-olds. Conference on Speech Motor Control, Williamsburg, Virginia, 2002.

**Connaghan, K.P.**, Moore, C.A., Reilly, K.J., Almand, K.B., & Steeve, R.W. Acoustic and physiologic correlates of stress production across systems. American Speech-Language-Hearing Association, New Orleans, L.A., 2001.

**Connaghan, K.P.**, Moore, C.A., Reilly, K.J., Campbell, T.F., Green, J.R. & Steeve, R.W. Inter-articulator coordination in children with impaired speech motor control. American Speech-Language-Hearing Association, Washington D.C., 2000.

Reilly, K.J., Moore, C.A., **Connaghan, K.P.**, Campbell, T.F., Green, J.R., & Steeve, R.W. Lip shape during speech by adult speakers and children with motor speech disorders. American Speech-Language-Hearing Association, Washington D.C., 2000.

Steeve, R.W., Moore, C.A., **Connaghan, K.P.**, & Reilly, K.J. Time-varying measures of chest wall kinematics. American Speech-Language-Hearing Association, Washington D.C., 2000.

**Connaghan, K.P.**, Reilly, K.J., Moore, C.A., Campbell, T.F., Green, J.R., & Steeve, R.W. Kinematics of motor speech disorders in children. Conference on Speech Motor Control, San Antonio, Texas, 2000.

**Connaghan, K.P.**, Skinder, A.E., Strand, E., & Changala, S. Reliability of judgments of lexical stress produced by speech disordered and typically developing children. Conference on Speech Motor Control, San Antonio, Texas, 2000.

Moore, C.A., Boliek, C.A., Steeve, R.W., Reilly, K.J., & **Connaghan, K.P.** Dynamic coordination of respiratory movement in 6-month-old children. Conference on Speech Motor Control, San Antonio, Texas, 2000.

Steeve, R.W., Moore, C.A., **Connaghan, K.P.**, & Reilly, K.J. Dynamic measures of chest wall kinematics. Conference on Speech Motor Control, San Antonio, Texas, 2000.

**Connaghan, K.P.**, Skinder, A.E., Strand, E., Hodge, M., & Steeve, R.W. Perception of stress production in children with speech disorders and typically developing peers. American Speech-Language-Hearing Association, San Francisco, 1999.

**Connaghan, K.P.**, Liss, J.M., & Sidtis, J. Relational timing in ataxic dysarthria. Conference on Speech Motor Control, Sedona, Arizona, 1994.

## **INVITED TALKS**

**Connaghan, K.P.** Communicative participation in adolescents and adults with motor speech disorders. UK-Ireland Communicative Participation Network (May, 2021).

**Connaghan, K.P.** Assessing pediatric dysarthria: Communicative participation. (Invited panelist). American Speech-Language-Hearing Association Convention, Orlando, FL, (November, 2019).

**Connaghan, K.P.** Speech production and communication disability in amyotrophic lateral sclerosis (ALS): Application of the Beiwe research platform. Presentation to the Onnela Lab, Department of Biostatistics Harvard T.H. Chan School of Public Health (July, 2019)

**Connaghan, K.P.** Social interaction and participation experiences of individuals with motor speech disorders. Presentation to Doctoral Seminar in Rehabilitation Research, MGH Institute of Health Professions (October, 2018)

**Connaghan, K.P.** It's not just *what* you say, it's *how* you say. Prosody in pediatric motor speech disorders. Presentation to the Framingham Public Schools, Dept. of Speech-Language Pathology (August, 2018)

## **OTHER SELECTED CONFERENCE PRESENTATIONS**

**Connaghan, K.P.** Speech-based digital biomarkers of bulbar function. Presentation at the Digital Biomarkers Workshop at the ALS Drug Discovery Summit, Boston, May 24-26, 2022.

## **IN THE NEWS**

The ASHA Leader's August 2018 Foundational Questions column. "It's not *what* you say, but *how* you say it". <https://www.ashfoundation.org/News/Grant-Recipient-Investigates-the-Role-of-Prosody-in-Dysarthria/>

## **OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS**

1994-current American Speech and Hearing Association (ASHA) Certification of Clinical Competence in Speech-Language Pathology  
2013, 2016, 2020 Member - Motor Speech in Adults and Children Program Committee for the American Speech-Language-Hearing Association (ASHA) Convention  
2013-2020 Fellow - American Academy of Cerebral Palsy and Developmental Medicine  
2014-2020 Associate Member – Acoustical Society of America  
2014 ASHA Progeny Mentor  
2015 Reviewer – ASHA Students Preparing for Academic & Research Careers (SPARC) Awards  
2017 Judge – Speech Communication Student Poster Competition, 173rd Meeting of the Acoustical Society of America  
2018 Judge – Student Presentation Competition, Conference on Speech Motor Control

- 2018 Judge – Speech Communication Student Poster Competition, 176th Meeting of the Acoustical Society of America
- 2019 Member – Speech & Language Science Topic Committee for the American Speech-Language-Hearing Association (ASHA) Convention
- 2022 Member – Motor Speech Disorders & Other Speech Sound Disorders in Adults Topic Committee for the American Speech-Language-Hearing Association (ASHA) Convention
- 2022 Doctoral Student Mentor – Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control, Charleston, SC, 2022.

Ad hoc reviewer: *American Journal of Speech Language Pathology; Brain Sciences; Folia Phoniatica et Logopaedica; International Journal of Language and Communication Disorders; International Journal of Speech-Language Pathology; Journal of the Acoustical Society of America Express Letters; Journal of Communication Disorders; Journal of Speech, Language, and Hearing Research; Laryngoscope Investigative Otolaryngology; Scientific Reports*

## **HONORS & AWARDS**

- 2000 Travel Fellowship, Science and Research Career Forum, American Speech-Language-Hearing Association
- 2002 Graduate Student ASHFoundation Scholarship
- 2004 Raymond H. Stetson Scholarship in Phonetics and Speech Science, Honorable Mention
- 2014 ASHA Pathways Protégé
- 2014 Attendee – ASHA Grant Reviewer and Reviewer Training
- 2015 ASHA Lessons for Success Mentee

## **GRANTS & FELLOWSHIPS**

- New Century Scholars Research Grant 01/01/2014-12/31/2014  
American Speech-Language-Hearing Foundation (ASHFoundation)  
*Prosodic Categories in Speakers with Dysarthria Due to Cerebral Palsy*  
Role: PI (\$10, 000)
- The Ethel & Jack Hausman Clinical Research Scholars Award 01/01/2014-12/31/2016  
Cerebral Palsy International Research Foundation (CPIRF) NCE – 12/31/2017  
*The Interaction Between Prosody and Intelligibility of Speech in Cerebral Palsy*  
Role: PI (\$225, 000)

Tufts CTSI Pilot Grant 05/01/2018-04/30/2019  
National Center for Advancing Translational Sciences, National NCE – 04/30/2020  
Institutes of Health (UL1TR002544)  
*Adaptation and Usability of Social Participant and Navigation (SPAN) for  
Adolescent Speakers with Dysarthria*  
Role: PI (\$44,966; \$29,966 Connaghan - \$15,000 Bedell, G. Co-PI)

Mary Switzer Merit Fellowship 10/01/2018-09/30/2019  
National Institute of Disability, Independent Living, and Rehabilitation NCE – 09/30/2020  
Research (NIDILRR 90SFGE0007-01-00)  
*Social Communication and Participation of Adolescents with Motor Speech Disability*  
Role: PI (\$70,000)

R15 DC018944 04/01/2021-03/31/2024  
National Institute on Deafness and Other Communication Disorders,  
National Institutes of Health  
*The Impact of Dysarthria on Communicative Participation in People with ALS*  
Role: PI (\$330,546)