

## Curriculum Vitae

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### Jordan R. Green, Ph.D., CCC-SLP

Professor

Department of Communication Sciences and Disorders

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### **EDUCATION**

University of Washington, Seattle	Ph.D.	Speech and Hearing Sciences	1998
California State University, Chico	M.A.	Speech-Language Pathology	1991
California State University, Chico	B.A.	Psychology	1988

### **PROFESSIONAL EXPERIENCE**

#### **Academic positions**

<i>2013-present</i>	PROFESSOR	Communication Sciences and Disorders, MGH Institute of Health Profession
	ASSOCIATE DIRECTOR of RESEARCH	<i>2017-present</i> MGH Institute of Health Profession
	AFFILIATE PROFESSOR	<i>2016-present</i> Speech and Hearing Bioscience and Technology Program (SHBT), Harvard Medical School
	ADJUNCT PROFESSOR	<i>2014-present</i> School of Behavioral and Brain Sciences, The University of Texas at Dallas
	RESEARCH AFFILIATE	<i>2013-present</i> Department of Speech, Language, and Swallowing Disorders & Reading Disabilities, Massachusetts General Hospital
<i>2013-17</i>	RESEARCH AFFILIATE	McGovern Institute for Brain Research, Massachusetts Institute of Technology
<i>2011-13</i>	PROFESSOR	Department of Special Education and Communication Disorders, University of Nebraska-Lincoln

- 2010-13                   ADJUNCT PROFESSOR & DIRECTOR of Neurogenetics Communication Disorders Consortium  
 Monroe-Meyer Institute, University of Nebraska Medical Center
- 2003-11                   ASSOCIATE PROFESSOR  
 Department of Special Education and Communication Disorders, University of Nebraska-Lincoln
- 1999-03                   ASSISTANT PROFESSOR  
 Department of Communicative Disorders, University of Wisconsin-Madison
- 1999 -03                  PRINCIPAL INVESTIGATOR  
 Waisman Center, University of Wisconsin-Madison

### **Research training**

- 1993-98                   NIH RESEARCH TRAINING FELLOWSHIP  
 Department of Speech and Hearing Sciences, University of Washington
- 1998-99                   POSTDOC  
 Department of Speech and Hearing Sciences, University of Washington

### **Clinical**

- 1991-93                   SPEECH-LANGUAGE PATHOLOGIST  
 Children's Hospital and Health Center, San Diego, CA

### **GRANTS, FELLOWSHIPS, AND ENDOWMENTS**

#### **Principal Investigator (PI)/Co-PI**

- Research and Training Grant: *Prolonging functional speech in persons with amyotrophic lateral sclerosis: A real-time virtual vocal tract*; K24DC016312/DC/NIDCD NIH HHS/United States; 2018-2023.
- Research Grant: *Speech movement classification for assessing and treating ALS*; R01 DC0135470/DC/NIDCD NIH HHS/United States; 2013-2018.
- Research Grant: *Effect of food structural properties on infants and toddlers mastication abilities*; Nestec Ltd, Switzerland; 2013-2015.
- Research Grant: *Bulbar motor deterioration in ALS*; R01 DC009890/DC/NIDCD NIH HHS/United States; Co-PI: Yana Yunusova; 2009-2014.
- Research Grant: *Biological pathways in childhood speech and language impairment*; Great Plains Health Research Consortium Translational Research Grant; Co-PI: Tiffany Hogan; Co-Investigators: Ashok Samal, Warren Sanger, Shelley Smith, Tony Wilson; 2010-2012.
- Research Grant: *Early speech motor development*; R01 DC006463/DC/NIDCD NIH HHS/United States; 2004-2010.
- Research Grant: *Early speech motor development*; R01 DC006463-05S1/DC/NIDCD NIH HHS/United States; American Reinvestment and Recovery Act of 2009; 2009-2010.
- Research Grant: *UNMC-UNL collaboration grant on acquired motor speech disorders*; University of Nebraska; 2004-2005.
- Research Grant: *The development of early orofacial motility and control*; R03 DC004643/DC/NIDCD NIH HHS/United States; 2000-2003.
- Research Grant: *Articulatory kinematics during infant-directed speech*; Wisconsin Alumni Research Foundation; 2001-2002.
- Instructional Technology Grant: University of Wisconsin-Madison; 1999-2000.

### ***Co-Investigator***

Research Grant: *Physiologic development of speech production*, R01 DC00822/DC/NIDCD NIH HHS/United States; PI: Christopher Moore; 2001-2006.

### ***Advisor and Mentor***

Research Award: *Biomechanics of articulatory imprecision in children with Cerebral Palsy*.

F32DC016484/DC/NIDCD NIH HHS/United States; Mentee: Kristen Allison; 2017-2019

Research Award: *Anatomic and biomechanic biomarkers of lingual impairment in person with ALS*.

F31DC015941/DC/NIDCD NIH HHS/United States; Mentee: Bridget Perry; 2017-2019

Research Award: *Mechanisms of apraxia of speech in primary progressive aphasia*.

F31DC015703/DC/NIDCD NIH HHS/United States; Mentee: Claire Cordella; 2016-2018.

Research Award: *An Explanatory Model of Speech Intelligibility Decline in Persons with Amyotrophic Lateral Sclerosis*. American Speech-Language-Hearing Foundation's (ASHF's) New Investigator Research Grant, Mentee: Dr. Panying Rong; 2015.

Research Award: *A multi-level assessment of mastication for children with cerebral palsy*, 2014 Plural Publishing Research Award, Council of Academic Programs in Communication Sciences and Disorders; Mentee: Meg Simione; 2014-2015.

Research Award: *Early Detection of Dysphagia in ALS*, 2015 Plural Publishing Research Award, Council of Academic Programs in Communication Sciences and Disorders; Mentee: Bridget Perry; 2015-2016.

Travel Grant: The American Speech-Language-Hearing Association's (ASHA's) Research Mentoring-Pair Travel Award, Mentee: Claire Cordella; 2015.

Clinical Research Grant: *Optimal diagnostic criteria for CAS in school-aged children: A multilevel approach*, Childhood Apraxia of Speech Association of North America (CASANA); Mentee: Dr. Jenya Iuzzini; 11/1/12-2/28/14.

Travel Grant: The American Speech-Language-Hearing Association's (ASHA's) Research Mentoring-Pair Travel Award, Mentee: Dr. Yana Yunusova; 2007.

Training Grant: Advancing Academic-Research Careers (AARC) Award, The American Speech-Language-Hearing Association; Mentee: Dr. Yana Yunusova; 2008.

Training Grant: Co-mentor, American Speech-Language-Hearing Association Students Preparing for Academic and Research Careers (SPARC) Award; 2010; Mentee: Stephanie Davidson, Co-Mentors: Tiffany P. Hogan (University of Nebraska - Lincoln) & Tony Wilson (University of Nebraska – Medical Center)

Training Grant: Advancing Academic-Research Careers (AARC) Award, The American Speech-Language-Hearing Association; Mentee: Dr. Julie Honaker; 2010.

Dissertation Grant: *Early speech motor development*, Advisor, Natural Sciences and Engineering Research Council of Canada Postgraduate Scholarship (NSERC); Awarded to advisee – Ignatius Nip; 2006-2008.

Dissertation Grant: *Early development of chewing*, Co-Advisor, F31 DC006337/DC/NIDCD NIH HHS/United States; Awarded to advisee - Erin Wilson - for dissertation project; 2003-2005.

UCARE Grants for undergraduate researchers: Lacey Greenway, 2004-2005; Lien Phan, 2005; Paige Mueller, 2007-2008; Chelsea Price, 2009.

### ***Consultant***

Research Grant: Articulator movement in developmental apraxia of speech, PI: Maria Grigos, R03 DC009079/DC/NIDCD NIH HHS/United States; 2008-2011.

### **Coordinator**

Conference Grant: ASHA Research Symposium, R13DC003383/DC/ NIDCD NIH/ HHS/United States, 2016-2020

### **Student**

NIH Research Training Fellowship; University of Washington; 1993-1998.

## **PUBLICATIONS**

### **Peer-Reviewed Manuscripts and Peer-Reviewed Book Chapters**

1. Simione, M., & Green, J. R. (2018). An exploratory investigation of the effects of whole-head vibration on jaw movements. *Experimental brain research*, 1-10. [PMID: 29362829](#)
2. Simione, M., Fregni, F., & Green, J. R. (2018). The effect of transcranial direct current stimulation on jaw motor function is task dependent: Speech, syllable repetition, and chewing. *Frontiers in Human Neuroscience*, 12, 33.
3. Simione, M., Loret, C., Le Révérend, B., Richburg, B., Del Valle, M., Adler, M., ... & Green, J. R. (2018). Differing structural properties of foods affect the development of mandibular control and muscle coordination in infants and young children. *Physiology & Behavior*. [PMID: 29343459](#)
4. Pattee, G. L., Plowman, E. K., Brooks, B. R., Berry, J. D., Atassi, N., Chapin, J. L., ... & Green, J. R. (2017). Best practices protocol for the evaluation of bulbar dysfunction: summary recommendations from the NEALS bulbar subcommittee symposium. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 1-2. [PMID: 29205054](#)
5. Woo, J., Xing, F., Stone, M., Green, J.R., Reese, T. G., Brady, T. J., ... & Fakhri, G. E. (2017). Speech Map: A Statistical Multimodal Atlas of 4D Tongue Motion During Speech from Tagged and Cine MR Images. *arXiv preprint arXiv:1701.06708*
6. 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. [PMCID: PMC5530595](#)
7. Iuzzini-Siegel, J., Hogan, T., Green, J.R. (2017) Speech Inconsistency in Children with Childhood Apraxia of Speech, Language Disorder, and Speech Delay: Depends on the Stimuli. *Journal of Speech Language and Hearing Research*, 1-17. [PMID: 28395359](#)
8. Green, J. R., Simione, M., Le Révérend, B., Wilson, E. M., Richburg, B., Alder, M., ... & Loret, C. (2017). Advancement in Texture in Early Complementary Feeding and the Relevance to Developmental Outcomes. In *Complementary Feeding: Building the Foundations for a Healthy Life* (Vol. 87, pp. 29-38). Karger Publishers. [PMID: 28315885](#)
9. Shellikeri, S., Green, J. R., Kulkarni, M., Rong, P., Martino, R., Zinman, L., & Yunusova, Y. (2016). Speech movement measures as markers of bulbar disease in amyotrophic lateral sclerosis. *Journal of Speech, Language, and Hearing Research*, 59, 887-899: 10.1044/2016\_JSLHR-S-15-0238. [PMCID: PMC5345561](#)
10. Cordella, C., Dickerson, B. C., Quimby, M., Yunusova, Y., & Green, J. R. (2016). Slowed articulation rate is a sensitive diagnostic marker for identifying non-fluent primary progressive aphasia. *Aphasiology*, 31(2),241-260. [PMCID: PMC5531197](#)

11. Pacheck, A., Mijailovic, A., Yim, S., Li, J., Green, J. R., McIllduff, C. E., & Rutkove, S. B. (2016). Tongue electrical impedance in amyotrophic lateral sclerosis modeled using the finite element method. *Clinical Neurophysiology*, 127, 1886-1890. [PMCID: PMC4828196](#)
12. Rong, P., Yunusova, Y., Wang, J., Zinman, L., Pattee, G. L., Berry, J. D., ... & Green, J. R. (2016). Predicting speech intelligibility decline in amyotrophic lateral sclerosis based on the deterioration of individual speech subsystems. *PloS one*, 11, e0154971. [PMCID: PMC4858181](#)
13. Simione, M. Wilson, E.M., Yunusova, Y., & Green, J.R. (2016). Validation of clinical observations of mastication in persons with ALS. *Dysphagia*, 31, 367-375. [PMCID: PMC4870304](#)
14. Wang, J., Samal, A., Rong, P., & Green, J. R. (2016). An optimal set of flesh points on tongue and lips for speech-movement classification. *Journal of Speech, Language, and Hearing Research*, 59, 15-26. [PMCID: PMC4867928](#)
15. Yunusova, Y., Graham, N. L., Shellikeri, S., Phuong, K., Kulkarni, M., Rochon, E., ... & Green, J. R. (2016). Profiling speech and pausing in amyotrophic lateral sclerosis (als) and frontotemporal dementia (FTD). *PloS one*, 11, e0147573. [PMCID: PMC4720472](#)
16. Green, J. R. (2015). Mouth matters: Scientific and clinical applications of speech movement analysis. *Perspectives on Speech Science and Orofacial Disorders*, 25(1), 6-16. [DOI: 10.1044/ssod25.1.6](#)
17. Centanni, T. M., Green, J. R., Iuzzini-Seigel, J., Bartlett, C. W., & Hogan, T. P. (2015). Evidence for the multiple hits genetic theory for inherited language impairment: a case study. *Frontiers in genetics*, 6. [PMCID: PMC4547018](#)
18. Rong, P., Yunusova, Y., Wang, J., & Green, J.R. (2015). Predicting early bulbar decline in amyotrophic lateral sclerosis - A speech subsystem approach. *Behavioural Neurology*, vol. 2015, Article ID 183027, 11 pages, 2015. [PMCID: PMC4468279](#)
19. Centanni, T. M., Sanmann, J. N., Green, J. R., Iuzzini-Seigel, J., Bartlett, C., Sanger, W. G., & Hogan, T. P. (2015). The role of candidate-gene CNTNAP2 in childhood apraxia of speech and specific language impairment. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*. [PMID: 26097074](#)
20. Iuzzini-Seigel, J., Hogan, T.P., & Green, J.R. (2015). Reliance on auditory feedback in children with childhood apraxia of speech. *Journal of Communication Disorders*, 54, 32-42. [PMID: 25662298](#)
21. Iuzzini-Seigel, J., Hogan, T.P., Rong, P. & Green, J.R. (2015). Longitudinal development of speech motor control: Motor and linguistic factors. *Journal of Motor Learning and Development*, 3, 53-68. [DOI: 10.1123/jmld.2014-0054](#)
22. Shellikeri, S., Yunusova, Y., Green, J. R., Pattee, G. L., Berry, J. D., Rutkove, S. B., & Zinman, L. (2015). Electrical impedance myography in the evaluation of the tongue musculature in amyotrophic lateral sclerosis. *Muscle & nerve*, 52, 584-591. [PMID: 25580728](#)
23. Mefferd, A. S., Pattee, G. L., & Green, J. R. (2014). Speaking rate effects on articulatory pattern consistency in talkers with mild ALS. *Clinical Linguistics & Phonetics*, 11, 799-811. [PMID: 24724615](#).
24. Vick, J.C., Campbell, T.C., Shriberg, L.D., Green, J.R., Truemper, K., Rusiewicz, H.L., & Moore, C.A. (2014). Data-driven subclassification of speech sound disorders in preschool children. *Journal of Speech, Language, and Hearing Research*, 57, 2033-50. [PMID: 25076005](#).
25. Yunusova, Y., Green, J.R., Lindstrom, M.J., Wang, J., Pattee, G.L., & Zinman, L. (2014). Speech in ALS: Longitudinal changes in lips and jaw movements and vowel acoustics. *Journal of Medical-Speech Language Pathology*, 21, 1-13. [PMCID: PMC4955603](#)

26. Green, J.R., Yunusova, Y., Kuruvilla, M.S., Wang, J., Pattee, G. L., Synhorst, L., Zinman, L., & Berry, J. D. (2013). Bulbar Speech Motor Assessment in ALS: Challenges and future directions. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, *14*, 494-500. [PMID: 23898888](#).
27. Kuruvilla, M.S., Green, J.R., Ayaz, H., & Murman, D. (2013) Neural correlates of cognitive decline in ALS: An fNIRS study of the prefrontal cortex. *Cognitive Neuroscience*, *4*, 115-21. [PMID: 24073736](#).
28. Wang, J., Green, J.R., Samal, A., & Yunusova, Y. (2013). Articulatory distinctiveness of vowels and consonants: A data-driven approach. *Journal of Speech, Language, and Hearing Research*, *56*, 1539-51. [PMID: 23838988](#).
29. Nip, I.B.S., & Green, J.R. (2013). Increases in cognitive and linguistic processing primarily account for increases in speaking rate with age. *Child Development*, *4*, 1324-1337. [PMCID: PMC3633670](#)
30. Kuruvilla, M.S., Green, J.R., Yunusova, Y., & Hanford, K. (2012). Spatiotemporal coupling of the tongue in amyotrophic lateral sclerosis. *Journal of Speech, Language, and Hearing Research*, *55*, 1897-1909. [PMID: 22615476](#).
31. Mefferd, A.M., Green, J.R., & Pattee, G. (2012). A novel fixed-target task to determine articulatory speed constraints in persons with amyotrophic lateral sclerosis. *Journal of Communication Disorders*, *45*, 35-45. [PMID:22000045](#)
32. Vick, J.C., Campbell, T.F., Shriberg, L.D., Green, J.R., Abdi, H., Leavy Rusiewicz, H., Venkatesh, L., & Moore, C.A. (2012). Distinct developmental profiles in typical speech acquisition. *Journal of Neurophysiology*, *107*, 2885-2900. [PMID:22357794](#)
33. Wang, Y.T., Nip, I.S., Green, J.R., Kent, R.D., Kent, J.F. & Ullman, C. (2012) Accuracy of perceptual and acoustic methods for the detection of inspiratory loci in spontaneous speech. *Behavior Research Methods*. [PMID:22362007](#)
34. Wilson, E.M., Green, J.R., & Weismer, G. (2012). A kinematic description of the temporal characteristics of jaw motion for early chewing: Preliminary findings. *Journal of Speech, Language, and Hearing Research*. [PMID: 22223889](#)
35. Yunusova, Y., Green, J.R., Greenwood, L., Wang, J., Pattee, G.L., & Zinman, L. (2012). Tongue movements and their acoustic consequences in ALS. *Folia Phoniatica et Logopaedica*, *64*, 94-102. [PMID: 22223889](#)
36. Che, W., Wang Y., Lu, H., & Green, J.R. (2011). Respiratory changes during reading in Mandarin-speaking adolescents with prelingually hearing impairment. *Folia Phoniatica et Logopaedica*, *63*, 275-280. [PMID: 21372590](#)
37. Nip I.S.B., Green J.R., & Marx D.B. (2011). The co-emergence of cognition, language, and speech motor control in early development: A longitudinal correlation study. *Journal of Communication Disorders*, *44*, 149-160. [PMID:21035125](#)
38. Green, J.R., & Nip, I.S.B. (2010). Organization principles in the development of early speech: catalysts, constraints, and synergy. In B. Maaseen & P.H.H.M. van Lieshout (Eds.). *Speech Motor Control: New developments in basic and applied research* (pp. 171-188). NC: Oxford University Press.
39. Green, J.R., Nip, I.S.B, Mefferd, A.S., Wilson, E.M., & Yunusova, Y. (2010). Lip movement exaggerations during infant-directed speech. *Journal of Speech, Language, and Hearing Research*, *53*, 1529-1542. [PMID:20699342](#)
40. Mefferd, A.S. & Green, J.R. (2010). Articulatory-to-acoustic relations in response to speaking rate and loudness manipulations. *Journal of Speech, Language, and Hearing Research*, *53*, 1206-1219. [PMID:206993fnatureal41](#)

41. Wang, Y., Green, J.R., Nip, I.S.B., Kent, R.D., & Kent, J.F. (2010). Breath group analysis for reading and spontaneous speech in healthy adults. *Folia Phoniatrica et Logopaedica*, 62, 297-302. [PMID:20588052](#)
42. Wang, Y., Green, J.R., Nip, I.S.B., Kent, R.D., Kent, J.F. & Ullman, C. (2010). Accuracy of perceptually-based and acoustically-based inspiratory loci in reading. *Behavior Research Methods*, 42, 791-797. [PMID:20805602](#)
43. Yunusova, Y., Green, J.R., Lindstrom, M., Ball, L. Pattee, G., & Zinman, L. (2010). Kinematics of disease progression in bulbar ALS. *Journal of Communication Disorders*, 43, 6-20. [PMID:19683250](#)
44. Bartle-Meyer, C. J., Goozée, J. V., Murdoch, B. E., & Green, J. R. (2009). Kinematic analysis of articulatory coupling in acquired apraxia of speech post-stroke. *Brain Injury*, 23, 133-145.
45. Shriberg, L.D., Lohmeier, H.L., Campbell, T.F., Dollaghan, C.A., Green, J.R., & Moore, C.A. (2009). A nonword repetition task for speakers with misarticulations: The Syllable Repetition Task (SRT). *Journal of Speech, Language, and Hearing Research*, 52, 1189-1212. [PMID:19635944](#)
46. Wilson E.M., & Green J.R. (2009). The development of jaw motion for mastication. *Early Human Development*, 85, 303-311. [PMID: 19185434](#)
47. Yunusova, Y., Green, J.R., & Mefferd, A. (2009). Accuracy assessment for AG500 electromagnetic articulograph. *Journal of Speech, Language, and Hearing Research*, 52 547-555. [PMID:18723596](#)
48. Wilson, E.M., Green, J.R., Yunusova, Y., & Moore, C.A. (2008). Task-specificity in early oral motor development. *Seminars in Speech and Language*, 29, 257-266. [PMID: 19058112](#)
49. Steeve, R.W., Moore, C.A., Green, J.R., Reilly, K. J., & Ruark McMurtrey, J. (2008). Babbling, chewing, and sucking: Oromandibular coordination at 9-months. *Journal of Speech, Language, and Hearing Research*, 51, 1390-1404. [PMID: 18664699](#)
50. Liu, Z., Yamamura, B., Shcherbatyy, V., & Green, J.R. (2008). Regional volumetric change of the tongue during mastication in pigs. *Journal of Oral Rehabilitation*, 35, 604-612. [PMID: 1842351](#)
51. Green, J.R., Wilson, E.M., Wang, Y., & Moore, C.A. (2007). Estimating mandibular motion based on chin surface targets during speech. *Journal of Speech, Language, and Hearing Research*, 50, 928-939. [PMID:17675597](#)
52. Wilson, E.M. & Green, J.R. (2006). Coordinative Organization of Lingual Propulsion during the normal adult swallow. *Dysphagia*, 21, 226-236. [PMID:17221289](#)
53. Fager, S.K., Green, J.R., Nip, I.S.B., & Hakel, M. (2006). Facial kinematics of a speaker with palatal lift following brainstem impairment. *Journal of Medical Speech-Language Pathology*, 14, 235-240.
54. Green, J.R., & Wilson, E.M. (2006). Spontaneous facial motility in infancy: A 3D kinematic analysis. *Developmental Psychobiology*, 48, 16-28. [PMID:16381029](#)
55. Shriberg, L.D., McSweeney, J.L., Anderson, B.E., Campbell, T.F., Chial, M.R., Green, J.R., Hauner, K.K., Moore, C.A., Rusiewicz, H.L., & Wilson, D.L. (2005). Transitioning from analog to digital audio recording in childhood speech sound disorders. *Clinical Linguistics & Phonetics*, 1, 335-359. [PMID:16019779](#)
56. Green, J.R., Beukelman, D.R., & Ball, L. J. (2004). Algorithmic estimation of pauses in extended speech samples of dysarthric and typical speech. *Journal of Medical Speech-Language Pathology*, 12, 149-154. PMID:20628555
57. Hakel, M., Beukelman, D.R., Fager, S., Green, J.R., & Marshall, J. (2004). Dynamic nasal obturation using a one-way valve: Technical report on a prototype. *Journal of Medical Speech-Language Pathology*, 12, 155-160.

58. Hosom, J.P., Shriberg, L., & Green, J.R. (2004). Diagnostic assessment of childhood apraxia of speech using automatic speech recognition (ASR) methods. *Journal of Medical Speech-Language Pathology*, 12, 167-171. [PMID:17066124](#)
59. Liu, Z., Green, J.R., Moore, C.A. & Herring, S.W.(2004). Time series analysis of jaw muscle contraction and tissue deformation during mastication in miniature pigs. *Journal of Oral Rehabilitation*, 31, 7-17. [PMID:15125590](#)
60. Green, J.R., Moore, C.A., & Reilly, K.J. (2003). Methodological issues in studies of early articulatory development: A response to Dworkin, et al.,. *Journal of Speech, Language, and Hearing Research*, 46, 1020-1021. [doi:10.1044/1092-4388\(2003/080\)](#)
61. Green, J.R., & Wang, Y. (2003). Tongue-surface movement patterns during speech and swallowing. *Journal of Acoustical Society of America*, 113, 2820-2833. [PMID:12765399](#)
62. Higashikawa, M., Green, J.R., Moore, C.A., & Minifie, F.D. (2003). Lip kinematics for /p/ and /b/ during whispered and voiced speech. *Folia Phoniatrica et Logopaedica*, 55, 17-27. [PMID:12566763](#)
63. Shriberg, L. D., Green, J. R., Campbell, T. F., McSweeney, J. L., & Scheer, A. (2003). A diagnostic marker for childhood apraxia of speech: The coefficient of variation ratio. *Clinical Linguistics and Phonetics*, 17, 575-595. [PMID:14608800](#)
64. Green, J.R., Moore, C.A., & Reilly, K.J. (2002). The sequential development of jaw and lip control for speech. *Journal of Speech, Language, and Hearing Research*, 45, 66-79. [PMID:14748639](#)
65. Moore, C.A., Caulfield, T.J., & Green, J.R. (2001). Relative kinematics of the rib cage and abdomen during speech and nonspeech behaviors of 15-month-old children. *Journal of Speech, Language, and Hearing Research*, 44, 80-94. [PMID:11218112](#)
66. Green, J.R., Moore, C.A., Higashikawa, M., & Steeve, R.W. (2000). The physiologic development of speech motor control: lip and jaw coordination. *Journal of Speech, Language, and Hearing Research*, 43, 239-56. [PMID:10668666](#)
67. Higashikawa, M., Moore, C.A., Green, J.R., & Takenaka, H. (1999). Development of coordination of respiratory system in children: longitudinal study of plethysmograph patterns. *J. Otolaryngology Japan*, 102: 524.
68. Green, J.R., Buder, E.H., Rodda, P.R., & Moore, C.A. (1997). Reliability of measurement of across several acoustic voice analysis systems. In M. Cannito, K. Yorkston, & D. Beukelman (Eds.) *Neuromotor Speech Disorders: Nature, assessment, & management* (pp 275-292). Baltimore: Paul H. Brookes.
69. Green, J.R., Moore, C.A., Ruark, J.L., Rodda, P.R., Morvee, W. & VanWitzenburg, M. (1997). Development of chewing in children from 12 to 48 Months: Longitudinal study of EMG patterns. *Journal of Neurophysiology*, 77, 2704-2716. [PMID:9163386](#)

#### ***Abstracts and Proceedings from Peer-Reviewed Conferences***

1. Lee, E., Xing, F., Ahn, S., Reese, T., Wang, R., Green, J., ... & Woo, J. (2017). Subject-specific anatomical assessment of the human tongue in amyotrophic lateral sclerosis (ALS) by high-resolution MRI and diffusion tensor imaging. *The Journal of the Acoustical Society of America*, 142(4), 2639-2639.
2. Horwitz-Martin, R. L., Quatieri, T. F., Lammert, A. C., Williamson, J. R., Yunusova, Y., Godoy, E., ... & Green, J. R. (2016). Relation of Automatically Extracted Formant Trajectories with Intelligibility Loss and Speaking Rate Decline in Amyotrophic Lateral Sclerosis. *Interspeech 2016*, 1205-1209.



3. Gong, J. J., Gong, M., Levy-Lambert, D., Green, J. R., Hogan, T. P., & Guttag, J. V. (2016). Towards an Automated Screening Tool for Developmental Speech and Language Impairments, *Interspeech 2016*, 112-116.
4. Rong, P., Yunusova, Y., & Green, J. R. (2016). Differential Effects of Velopharyngeal Dysfunction on Speech Intelligibility During Early and Late Stages of Amyotrophic Lateral Sclerosis. *Interspeech 2016*, 248-252.
5. Rong, P., Yunusova, Y., & Green, J.R. (2015). Speech intelligibility decline in individuals with fast and slow rates of ALS progression. In *Sixteenth Annual Conference of the International Speech Communication Association* (Interspeech 2015).
6. Perry, B.J., Pomahoc, B., Bueno, E., Su, P., Richburg, B.D., & Green, J.R. (2015). Characteristics of speech following facial transplantation. In *The Scottish Consortium for ICPHS 2015* (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: The University of Glasgow. <https://www.internationalphoneticassociation.org/icphs-proceedings/ICPhS2015/Papers/ICPHS0413.pdf>
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8. Rutkove, S., Shellikeri, S., Yunusova, Y., Green, J., & Zinman, L. (2014). Electrical impedance myography for the evaluation of the tongue musculature in myotrophic lateral sclerosis. (P4. 103). *Neurology*, 82(10 Supplement), P4-103.
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11. Shellikeri, S., Yunusova, Y., Thomas, D., Green, J. R., & Zinman, L. (2013). Compensatory articulation in amyotrophic lateral sclerosis: Tongue and jaw in speech. In *Proceedings of Meetings on Acoustics*, 19, 060061.
12. Wang, J., Balasubramanian, A., Mojica de La Vega, L., Green, J. R., Samal, A., & Prabhakaran, B. (2013). Word recognition from continuous articulatory movement time-series data using symbolic representations, *Proceedings of Interspeech Workshop on Speech and Language Processing for Assistive Technologies*, 119-127.
13. Wang, J., Green, J. R., & Samal, A. (2013). Individual articulator's contribution to phoneme production, *Proceedings of IEEE Intl. Conf. on Acoustics, Speech, and Signal Processing*, Vancouver, Canada, 7785-7789.
14. Green, J. R., Yunusova, Y., Pattee, G., Zinman, L., Kuruvilla, M., Wang, J., & Falikowski, M. (2012). Bulbar motor deterioration in ALS, *Proceedings of the 64th Annual Meeting of the American Academy of Neurology*, New Orleans, LA. DOI: 10.1212/WNL.78.1\_MeetingAbstracts.P04.154
15. Wang, J., Samal, A., Green, J.R., & Rudzicz, F. (2012). Whole-word recognition from articulatory movements for silent speech interfaces, *Proceedings of the 13th Annual Conference of the International Speech Communication Association* (InterSpeech 2012). Portland, OR. 1327-1330.
16. Wang, J., Samal, A., Green, J.R., & Rudzicz, F. (2012). Sentence recognition from articulatory movements for silent speech interfaces, *ICASSP 2012*, 4985- 4988.

17. Wang, J., Green, J. R., Samal, A., & Marx, D. B. (2011). Quantifying articulatory distinctiveness of vowels. *Proceedings of the 12th Annual Conference of the International Speech Communication Association*, 277-280.
18. Wang, J., Green, J.R., Samal, A., & Carrell, T.D. (2010). Vowel recognition from continuous articulatory movements for speaker-dependent applications. *Proceedings of IEEE International Conference on Signal Processing and Communications (ICSPCS 2010)*, Gold Coast, Australia, 13-15.
19. Wang, J., Samal, A., Green, J.R., & Carrell, T.D. (2009). Mesbah, M., Boashash, B. and Colditz, P. (2009). Vowel recognition from articulatory position time-series data. In *Signal Processing and Communications, 2009. IEEE International Conference on Signal Processing and Communications (ICSPCS 2009)*, Omaha, Nebraska, USA, 28-30.
20. Green, J.R., Nip, I., Wilson, E., & Mefferd, A. (2008). Articulatory exaggerations during infant directed speech. *The Journal of Acoustical Society of America*, 123, 3077. [PMID: 20699342](#)
21. Yunusova, Y., Stanley J., & Green, J.R. (2008). Distinguishing place of consonant articulation using the Aurora system. *The Journal of Acoustical Society of America*, 123, 3739. [doi:10.1121/1.2935262](#)
22. Vick, J.C., Moore, C.A., Venkatesh, L., Campbell, T.F., Rusiewicz, H.L., Shriberg, L.D., & Green, J.R. (2006). Physiologic and behavioral classification of delayed speech: Syllable repetition tasks. *The Journal of Acoustical Society of America*, 120, 3350.
23. Green, J.R., Phan, L. Nip, I., & Mefferd, A. (2006). A real-time articulatory controlled vowel synthesizer for research on speech motor learning. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 46.
24. Hosom, J.P., Shriberg, L., & Green, J.R. (2006). The coefficient of variation ratio determined using automatic speech recognition. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 88.
25. Mefferd, A., & Green, J.R. (2006). Formant pattern predictability based on lingual kinematics. *Stem, Spraak- en Taalpathologie*, 14(Supp.), 49.
26. Moore, C.A., Campbell, T.F., Shriberg, L.D., Green, J.R., Venkatesh, L., Vick, J., & Leavy Rusiewicz, H. (2006). Physiologic and behavioral classification of delayed speech. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 109.
27. Venkatesh, L., Moore, C.A., Campbell, T.F., Shriberg, L.D. & Green, J.R. (2006). Speech movement characteristics in children with speech delay. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 96.
28. Wang, Y., Kent, R.D., Nip, I., Green, J., & Kent, J.F. (2006). Aerodynamic validation of perceptually-based breath group determination. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 32.
29. Yunusova, Y., Green, J.R., & Mefferd, A. (2006). Spatial characteristics of speech movements in ALS. *Stem-, Spraak- en Taalpathologie*, 14(Supp.), 75.
30. Green, J.R., & Wilson, E.M. (2003). The significance of spontaneous orofacial motility in early vocal development. *Proceeding of the Conference on Progress in Motor Control IV. Motor Control and Learning over the Life Span*. Université de Caen Basse-Normandie (France).
31. Hall, M. D., Green, J., Moore, C. A., & Kuhl, P. K. (1999). Contribution of articulatory kinematics to visual perception of stop consonants. In P.K. Kuhl & L. Crum (Eds.), *Proceedings 2nd Convention of the European Acoustics Association: Forum Acusticum and 137th Meeting of the Acoustical Society of America (#4aSCb15)*. Woodbury, NY: Acoustical Society of America.
32. Minifie, F.D., Green, J.R., Smith, J., & Huang, D.Z. (1995). Inter-judge variability in perception of voice qualities. *Proceedings of the International Congress of Phonetic Sciences, Stockholm, Sweden*, 758-761.

33. Minifie, F.D., Huang, D.A., & Green, J.R. (1994). Relationship between acoustic measures of vocal perturbation and perceptual judgments of breathiness, harshness, and hoarseness. *Proceedings of the International Conference on Spoken Language Processing*. Yokohama, Japan, 1999-2002.

#### ***Non Peer-Reviewed Manuscripts***

1. Yunusova, Y., Green, J. R., Wang, J., Pattee, G., Zinman, L. (2011). A Protocol for Comprehensive Assessment of Bulbar Dysfunction in Amyotrophic Lateral Sclerosis (ALS), *Journal of Visualized Experiments (JOVE)*, 48, <http://www.jove.com/details.php?id=2422>. [PMCID: PMC3197394](#)
2. Nip, I. S. B., Green, J.R., Marx, D.B. (2009). Early speech motor development: Cognitive and linguistic considerations. *Journal of Communication Disorders*, 42, 286-298. [PMID:19439318](#)

#### ***Invited Book Chapters and Periodicals***

1. Green, J.R. (2015). Mouth matters: Scientific and clinical applications of speech movement analysis, *Sig 5 Perspectives on Speech Science and Orofacial Disorders*, 25, 6-16. DOI: 10.1044/ssod25.1.6
2. Weismer, G., & Green, J.R. (2015). Speech production in motor speech disorders: Lesions, models, and a research agenda, In M.A. Redford's *The Handbook of Speech Production* (pp 298-330). Wiley Blackwell. ISBN: 978-0-470-65993-9
3. Barlow, S. & Green, J.R. (2009). Preface to the 18th Annual ASHA-NIH research symposium: Neurobiological determinants of communication development. *Journal of Communication Disorders*, 245-247. [PMID:19406433](#)
4. Green, J.R. (2007). Natural history of an NIH-supported researcher. In M.L. Rice (Ed.) *Merrill Series on the Research Mission of Public Universities: Future Directions for Federal Research Funding*. Merrill Research Center: The University of Kansas, 111, 44-50.
5. Cress, C.J., & Green, J.R. (2006). Computer applications for communication disorders. In J.G. Webster (Ed.), *Encyclopedia of Medical Devices and Instrumentation 2<sup>nd</sup> ed.* (pp 210-229), New York: Wiley. [doi:10.1002/0471732877.emd071](#)
6. Green, J.R. (2003). Discussion: Need for motor-based descriptions of articulatory function in children with CAS. In LD Shriberg & TF Campbell (Eds.). *Proceedings of the 2002 Childhood Apraxia of Speech Research Symposium*, 247-248.
7. Green, J.R. (2002). Orofacial movement analysis in infants and young children: New opportunities in speech studies. *The Standard* (periodical published by Vicon Motion Systems), 2, 1-3.

#### ***Peer-Reviewed Clinical Guidelines***

1. Hiss, S., Dikeman, K., Green, J., Hasselkus, A., Inma, A, Kelchner, L., Lazarus, C., & Miller, C. (2003). American Speech-Language-Hearing Association. [Knowledge and Skills Needed by Speech-Language Pathologists Performing Videofluoroscopic Swallowing Studies](#). *ASHA Supplement*, 24, 178-183.
2. Hiss, S., Dikeman, K., Green, J., Hasselkus, A., Inma, A, Kelchner, L., Lazarus, C., & Miller, C. (2004). American Speech-Language-Hearing Association. [Guidelines for Speech-Language Pathologists Performing Videofluoroscopic Swallowing Studies](#). *ASHA Supplement*, 24, 77-92.

#### ***Ph.D. Dissertation***

- Green, J.R. (1998). The physiologic development of speech motor control: Articulatory coordination of lips and jaw, Advisor: Christopher Moore, Ph.D., University of Washington, Seattle.

### *Software*

1. Green, J.R. & Green, K.R-F. (1998). *Voice Office: clinical software and teaching tool for voice analysis*. Tiger DRS, Inc. (<http://www.drspeech.com/VoiceOffice.html>)

## **PRESENTATIONS**

### *Invited scientific panels and presentations*

#### *International*

1. Green, J.R. (2017) Neurological speech disorders: technological advances in diagnosis and assessment. 12<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Malta.
2. Green, J.R., Le reverend, B., Moser, M., Alder, M., Del Valle, M. & Simone & Loret, C. (2016). Advancement in texture in early complementary feeding and the relevance to developmental outcomes, Importance of Complementary Feeding and Long-Term Health Outcome, 87th Nestlé Nutrition Institute Workshop, Singapore.
3. Green, J.R. (2014). Research programs on speech and feeding, University of Toronto, Toronto, Canada.
4. Green, J.R. (2013). Effect of food structural properties on infants and toddlers mastication abilities, Nestlé Research Center, Lausanne, Switzerland.
5. Green, J.R. (2010). Assessing bulbar deterioration in amyotrophic lateral sclerosis, Fudan University, Shanghai, China.
6. Green, J.R. (2010). Seeing speech: Technological advances in research on speech production. School of Dentistry, National Yang-Ming University, Taipei, Taiwan.

#### *National*

1. Green, J.R. (2017). Assessment and management of bulbar motor involvement due to amyotrophic lateral sclerosis. 2017 Boston Speech Motor Control Symposium, Boston University, Boston MA.
2. Green, J.R. (2016). Mouth Matters: Scientific & Clinical Applications of Speech Movement Analysis, Departmental Colloquium, The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders, Northwestern University, Evanston IL.
3. Green, J.R. (2015). Assessment and management of speech impairment in ALS. Nuedexta Clinical Trial Workshop, Ritz-Carlton Hotel, Orlando, FL.
4. Green, J.R. (2015). Scientific & clinical applications of speech movement analysis, Departmental Colloquium, The Department of Communication Sciences and Disorders, The University of Iowa, Iowa.
5. Green, J.R. (2015). Scientific & clinical applications of speech movement analysis, Departmental Colloquium, The Department of Communication Sciences and Disorders, Northeastern University, Massachusetts.
6. Green, J.R. (2014). William R. Zemlin Memorial Lecture: Mouth matters: Scientific & clinical applications of speech movement analysis, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
7. Green, J.R. (2014). Speech movement analysis: Scientific and clinical applications, Seminars in Hearing and Communications Sciences (SHACS) lecture series, Department of Speech and Hearing Sciences, University of Washington, Seattle.
8. Green, J.R., (2012). Emerging perspectives on the development, assessment, and treatment of speech. Callier Center Research Colloquium, Dallas, T.X.

9. Green, J.R., (2012). Emerging perspectives on the development, assessment, and treatment of speech. Boston University Speech and Hearing Sciences Department Research Colloquium Series, Boston, M.A.
10. Shea, C., Green, J.R., & Maas, E. (2009). Motor mouths: Applying principles of motor learning to speech production. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.
11. Nip, I.S.B., & Green, J.R. (2009). Developmental changes in speech movement variability: Task effects. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.
12. Green, J.R. (2004). Kinematic methods and new questions in infant vocal development. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
13. Green, J.R. (2003). Panel Member, Neurologic Motor Speech Disorders in Adults, Washington, D.C., sponsored by NIDCD, NIH
14. Green, J.R. (2002). Discussant, Symposium on childhood apraxia of speech, Scottsdale, AZ, sponsored by the Hendrix Foundation.
15. Green, J.R. (2001). A junior faculty's perspective on the challenges facing CSD programs. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.

#### *Regional*

1. Green, J.R. (2016). Therapy approaches for motor speech disorders. Spaulding Rehabilitation Hospital, Boston, MA.
2. Green, J.R., (2015). Assessment and management of motor speech impairments: Acquired neurologic disorders and diseases. Spaulding Stroke Research and Recovery Institute, Boston, MA.
3. Green, J.R. (2015). Early speech development. Department of Orthodontics, Tufts University, Boston, MA.
4. Green, J.R. (2015). Scientific & clinical applications of speech movement analysis, Departmental Colloquium, Speech and Hearing Bioscience and Technology (SHBT), Harvard University, Massachusetts.
5. Green, J.R., Wilson, E.M., & Simione, M. (2014). The development of chewing. MGH pediatric dysphasia group, Spaulding Rehabilitation Hospital, Boston, MA.
6. Green, J.R. (2011). Developing speech: A motor-centric interactionist perspective. Graduate student organization annual lecture, Department of Speech-Language-Hearing: Sciences & Disorders, University of Indiana, Bloomington, IN.
7. Green, J.R. (2010). Investigating the speech production system: Novel approaches and potential clinical applications; Boys Town National Research Hospital, Omaha, NE.
8. Green, J.R. (2009). Speech motor development: Some biologic, cognitive, and environmental factors. Graduate Student Organization Annual Lecture, Department of Speech-Language-Hearing: Sciences & Disorders, University of Kansas, Lawrence, KS.
9. Green, J.R. (2009). The development of mandibular control for chewing. 2009 Kansas Neonate Oromotor Feeding Symposium, University of Kansas, Lawrence, KS.
10. Green, J.R. (2008). Presenter, Studies on early speech development and learning, Psychology Department, University of Nebraska-Lincoln, Lincoln, NE.
11. Green, J. R. (2008). Motion analysis of early speech movements. Working group meeting of the UTD Callier Center for New Evidence on Communication Treatments and Technologies, Dallas, TX.
12. Green, J.R. (2007). The natural history of a federally funded researcher, Merrill Research Retreat, Valley Fall, KS.

13. Green, J.R. (2005). The development of orofacial control for speech and feeding, Boys Town National Research Hospital, Omaha, NE.
14. Green, J.R. (2004). Motor factors in early speech development, HPER Biomechanics Laboratory, University of Nebraska-Omaha, Omaha, NE.
15. Green, J.R. (2002). Physiologic studies of speech and chewing development. Chaos & Complex Systems Seminars, University of Wisconsin-Madison, Madison, WI.
16. Green, J.R. (2001). The development of speech and chewing: Physiologic framework. Wisconsin Speech-Language Pathology and Audiology Association 2002 Convention, Milwaukee, WI.
17. Green, J.R. (2001). Speech motor development. Psychology Department, University of Wisconsin-Madison, Madison, WI.

### ***Scientific presentations***

#### *International*

1. Bandini, A., Green, J.R., Taati, B., Orlandi, S., Zinman, L., & Yunusova, Y. (2018). Automatic detection of amyotrophic lateral sclerosis from video-based analysis of facial movements: speech and non-speech tasks. The 13<sup>th</sup> IEEE Conference on Automatic Face and Gesture Recognition, Xi'an, China.
2. Hogan, T.P., Iuzzini-Seigel, J., Zuk, J., Cabbage, K.L., & Green, J.R. (2018). Dyslexia versus childhood apraxia of speech: similar speech errors with different etiologies? 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.
3. Yunusova, Y., Bandini, A., Green, J.R., & Zinman, L. (2017). Facial kinematics in the assessment and diagnosis of bulbar ALS. 7<sup>th</sup> International Conference on Speech Motor Control, Groningen, Netherlands.
4. Panying Rong, Brian Richburg, Jordan R. Green (2017). Automatic extraction of abnormal speech movement features from a maximum syllable repetition rate task: Toward a diagnostic tool for assessing articulatory involvement in ALS. 7<sup>th</sup> International Conference on Speech Motor Control, Groningen, Netherlands.
5. Allison, K., Yunusova, Y., Wang, J., Berry, J.D., Green, J.R. (2016). Perceptual, instrumental, and self-detection of early bulbar changes in ALS. 27<sup>th</sup> International Symposium on ALS/MND, Dublin, Ireland.
6. Green, J.R., Richburg, B.D., Markan, S., Berry, J. (2016). Mouthmetrics: A tool for assessing bulbar motor involvement using a low-cost, 3D depth sensing system. 27<sup>th</sup> International Symposium on ALS/MND, Dublin, Ireland.
7. Green, J.R., Allison, K., Piro, E., Pattee, G., Smith, R. (2016). The effects of nuedexta on speech pause time. 27<sup>th</sup> International Symposium on ALS/MND, Dublin, Ireland.
8. Gong, J.J., Gong, M., Levy-Lambert, D., Green, J.R., Hogan, T.P., & Gutttag, J.V. (2016). Towards an Automated Screening Tool for Developmental Speech and Language Impairments. Interspeech, San Francisco, CA.
9. Rong, P., Yunusova, Y., & Green, J.R. (2016). Differential Effects of Velopharyngeal Dysfunction on Speech Intelligibility During Early and Late Stages of Amyotrophic Lateral Sclerosis. Interspeech, San Francisco, CA.

10. Horwitz-Martin, R.L, Quatieri, T.F., Lammert, A.C., Williamson, J.R., Yunusova, Y., Godoy, E., Mehta, D.D., Green, J.R. (2016) Relation of Automatically Extracted Formant Trajectories with Intelligibility Loss and Speaking Rate Decline in Amyotrophic Lateral Sclerosis. Interspeech, San Francisco, CA.
11. Loret, C., Le reverend, B., Moser, M., Alder, M., Simione, & Jordan R. Green, J.R. (2016). Development of mastication abilities of infants and toddlers: impact of age and food texture. Food Oral Processing Conference, Lausanne, Switzerland.
12. Kuruvilla-Dugdale, M., Green, J. R., Hogan, T.P., & Custer, C. (2015). Speech Performance in ALS: Influence of Speech Motor and Linguistic Complexity. International ALS/MND Symposium, Orlando, USA.
13. Rong, P., Yunusova, Y., & Green, J.R. (2015). Speech intelligibility decline in individuals with fast and slow rates of ALS progression. Interspeech, Dresden, Germany.
14. Perry, B.J., Pomahoc, B., Bueno, E., Su, P., Richburg, B.D., & Green, J.R. (2015). Characteristics of speech following facial transplantation. In the 18th ICPhS, Glasgow, UK.
15. Rong, P., Yunusova, Y., Berry, J.D., Zinman, L., & Green, J.R. (2014). Parameterization of articulatory pattern in ALS, Interspeech, Singapore.
16. Wang, J., Samal, A., & Green, J. R. (2014). Across-speaker articulatory normalization for speaker-independent silent speech recognition, Interspeech, Singapore.
17. Yunusova, Y., Green, J.R., Rong, P., Kuruvilla, M.S., Wang, J., Pattee, G., Synhorst, L., & Zinman, L. (2013). Bulbar ALS: Prediction survival from physiologic measures. 24th International Symposium on ALS/MND, Milan, Italy.
18. Yunusova, Y., Rosenthal, J.S., Green, J.R., Shellikeri, S., Wang, J., Rong, P., & Zinman, L. (2013). Detection of bulbar ALS using a comprehensive speech assessment battery, 8th International Workshop on Models and Analysis of Vocal Emissions for Biomedical Applications (MAVEBA), Florence, Italy.
19. Davis, D., Hogan, T.P., Green, J.R., Long, Y., Bridges, M., Catts, H.W., and the Language and Reading Consortium (2013). Pausing in oral narrative retells in poor reader subgroups. Society for the Scientific Study of Reading Annual Convention, Hong Kong.
20. Green, J. R., Wang, J., & Wilson, D. L. (2013). SMASH: A tool for articulatory data processing and analysis, Interspeech 2013, Lyon, France.
21. Wang, J., Balasubramanian, A., Mojica de La Vega, L., Green, J. R., Samal, A., & Prabhakaran, B. (2013). Word recognition from continuous articulatory movement time-series data using symbolic representations, Proceedings of Interspeech Workshop on Speech and Language Processing for Assistive Technologies, Grenoble, France. In press.
22. Wang, J., Green, J. R., & Samal, A. (2013). Individual articulator's contribution to phoneme production, Proceedings of IEEE Intl. Conf. on Acoustics, Speech, and Signal Processing, Vancouver, Canada, 7785-7789.
23. Shellikeri, S., Yunusova, Y., Thomas, D., Green, J. R., & Zinman, L. (2013). Compensatory articulation in amyotrophic lateral sclerosis: Tongue and jaw in speech. 21st International Congress on Acoustics, Montreal, Canada.
24. Trotman, C., Green, J.R., Faraway, J.J., Sotmann, R., Hartman, T. S., Van Aalst, J.A., (2013) Spontaneous dynamics in cleft infants for speech development, International Association for Dental Research, Seattle, WA.
25. Wang, J., Samal, A., Green, J. R., & Rudzicz, F. (2012). Sentence recognition from articulatory movements for silent speech interfaces, Proc. of IEEE Intl. Conf. on Acoustics, Speech, and Signal Processing (ICASSP), Kyoto, Japan.

26. McIlraith, A., Hogan, T.P., Green, J.R., & Wilson, T.W. (2011). Coupling differences between Wernicke and Broca's areas according to lexicality in normal adults. *Human Brain Mapping*, Quebec City, Canada.
27. Wang, J., Green, J.R., Samal, A., & Carrell, T.D. (2010). Vowel recognition from continuous articulatory movements for speaker-dependent applications. *IEEE International Conference on Signal Processing and Communications (ICSPCS 2010)*, Gold Coast, Australia.
28. Yunusova, Y., Green, G., Zinman, L., & Pattee, G. (2010). Bulbar Function in ALS. Paper presented at the annual meeting of ALS Canada, Toronto, ON.
29. Green, J.R., Nip, I.S.B., Wilson, E.M., & Mefferd, A.S. (2008). Articulatory exaggerations during infant directed speech. Joint meeting of the Acoustical Society of America and the European Acoustics Association, Paris, France.
30. Bartle, C., Goozée, J., Murdoch, B., & Green, J.R. (2007). Kinematic analysis of speech movement coordination in acquired AOS. *Asia Pacific Conference on Speech, Language and Hearing*, Brisbane, Australia.
31. Green, J.R., Phan, L. Nip, I., & Mefferd, A. (2006). A real-time articulatory controlled vowel synthesizer for research on speech motor learning. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
32. Green, J.R., Yunusova, Y., Ball, L.J., Pattee, G.L., & Mefferd, A. (2006). A Comprehensive instrumental analysis of bulbar function over time in persons with ALS. *17th International Symposium on ALS/MND*, Yokohoma, Japan.
33. Hosom, J.P., Shriberg, L., & Green, J.R. (2006). The coefficient of variation ratio determined using automatic speech recognition. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
34. Mefferd, A., & Green, J.R. (2006). Formant pattern predictability based on lingual kinematics. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
35. Moore, C.A., Campbell, T.F., Shriberg, L.D., Green, J.R., Venkatesh, L., Vick, J., & Leavy Rusiewicz, H. (2006). Physiologic and behavioral classification of delayed speech. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
36. Venkatesh, L., Moore, C.A., Campbell, T.F., Shriberg, L.D. & Green, J.R. (2006). Speech movement characteristics in children with speech delay. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
37. Wang, Y., Kent, R.D., Nip, I., Green, J., & Kent, J.F. (2006). Aerodynamic validation of perceptually-based breath group determination. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
38. Yunusova, Y., Green, J.R., & Mefferd, A. (2006). Spatial characteristics of speech movements in ALS. *5<sup>th</sup> International Conference on Speech Motor Control*, Nijmegen, Netherlands.
39. Ball, L.J., Green, J.R., Pattee, G.L., & Beukelman, D.B. (2005). Bulbar feature assessment: A multilevel approach. *International Symposium on Amyotrophic Lateral Sclerosis*, Dublin, Ireland
40. Green, J.R., & Wilson, E.M. (2003). The significance of spontaneous orofacial motility in early vocal development. *Progress in Motor Control IV. Motor Control and Learning over the Life Span*. Université de Caen Basse-Normandie (France).
41. Hall, M.D., Green, J.R., Moore, C.A., & Kuhl, P.K. (1999). Contribution of articulatory kinematics to visual perception of stop consonants. *The 137th Regular Meeting of the Acoustical Society of America*, Berlin, Germany.



42. Minifie, F.D., Green, J.R., Smith, J., Huang, D.Z. (1995). Inter-judge variability in perception of voice qualities. International Congress of Phonetic Sciences, Stockholm, Sweden.
43. Minifie, F.D., Huang, D.Z., & Green, J.R. (1994). Relationship between acoustic measures of vocal perturbation and perceptual judgments of breathiness, harshness, and hoarseness. International Conference on Spoken Language Processing. Yokohama, Japan.

*National*

1. Rong, P., Stipancic, K., & Green, J.R. (2018). Predicting disease-related changes in jaw contribution to tongue movement in ALS based on a diadochokinetic task. 2018 Motor Speech Conference, Savannah, GA.
2. Stipancic, K., Yunusova, Y., & Green, J.R. (2018). Minimally detectable change and minimal clinically important difference of speech intelligibility and speaking rate for individuals with ALS. 2018 Motor Speech Conference, Savannah, GA.
3. Allison, K., Yunusova, Y., & Green, J.G. (2018). Effect of sentence length on intelligibility and speech motor performance in ALS. 2018 Motor Speech Conference, Savannah, GA.
4. Cordella, ., Quimby, M., Brickhouse, M., Dickerson, B., & Green, J.R. (2018). Neural correlates of longitudinal changes in articulation rate across subtypes of primary progressive aphasia. 2018 Motor Speech Conference, Savannah, GA.
5. Lee, E., Xing, F., Ahn, S., Reese, T., Wang, R., Green, J., ... & Woo, J. (2017). Subject-specific anatomical assessment of the human tongue in amyotrophic lateral sclerosis (ALS) by high-resolution MRI and diffusion tensor imaging. 174th Meeting of the Acoustical Society of America in New Orleans, LA,
6. Savastano, M., Perry, B., Lof, G., Wagner, L.B., & Green, J.R. (2017). The efficacy of lingual strengthening exercises for dysphagia in acute stroke recovery: a preliminary study. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
7. Rong, P. & Green, J.R. (2017). Predicting speech intelligibility based on tongue-jaw coordination in persons with amyotrophic lateral sclerosis. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
8. Stipancic, K., Yunusova, Y., & Green, J.R. (2017). Minimally detectable change & minimal clinically important difference of speech intelligibility for individuals with ALS. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
9. Rong, P., Yunusova, Y., Richburg, B.D., & Green, J.R. (2017). Automatic extraction of abnormal speech movement features in ALS from an oral diadochokinetic task. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
10. Cordella, C., Quimby, M., Dickerson, B., & Green, J.R. (2017). Longitudinal changes in quantitative rate measures across three variants of primary progressive aphasia. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
11. Allison, K., Cordella, C., Iuzzini-Seigel, J., & Green, J.R. (2017). Diagnosing apraxia: a systematic review of recent literature on differential diagnosis of AOS & CAS. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.
12. Green, J.R., Yunusova, Y., Rong, P., & Allison, K. (2017). Quantitative speech motor markers of bulbar involvement in ALS. Annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA.

13. Perry, B.J., Yunusova, Y., Martino, R., Plowman, E.K., Green, J.R. (2017). Early changes in lingual movement during the swallow in persons with Amyotrophic Lateral Sclerosis. Dysphagia Research Society Annual Meeting, Baltimore, Maryland..
14. Rong, P., Yunusova, Y. & Green, J.R. (2016). Differential effects of velopharyngeal dysfunction on Speech Intelligibility during early & late stages of ALS. Annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
15. Karpinski, L., Simone, M., Richburg, B.D., Nunn, D., Carvalho, S., Leite, J., Fregni, F., & Green, J. (2016). The Effects of Transcranial Direct Current Stimulation on Speech Motor Learning. Annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
16. Allison, K., Yunusova, Y., Wang, J., Green, J.R. (2016). Annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
17. Simone, M. & Green, J.R. (2016). The differential effects of whole-head vibration during speech and non-speech tasks. The conference on motor speech, Newport Beach, CA.
18. Cordella, C., Caso, C., Dickerson, B., & Green, J.R. (2016). Anatomic correlates to a quantitative fluency measure in primary progressive aphasia. The conference on motor speech, Newport Beach, CA.
19. Perry, B., Bueno, E., Pomahac, B. & Green, J.R. (2016). The Impact of Labial Strength on Speech Following Facial Transplantation. The conference on motor speech, Newport Beach, CA.
20. Cordella, C., Dickerson, B., Quimby, M., Yunusova, Y., & Green, J.R. (2015). Fluency-based measures for subtyping of patients with primary progressive aphasia. Annual convention of the American Speech-Language-Hearing Association, Denver, CO.
21. Rong, P., Yunusova, Y., & Green, J.R., (2015). Speech intelligibility decline in individuals with fast & slow progression rates of bulbar ALS. Annual convention of the American Speech-Language-Hearing Association, Denver, CO.
22. Simone, M., Richburg, B. D., & Green, J. R. (2015). The effects of indirect vibration on sensorimotor integration of mandibular movements. Annual convention of the American Speech-Language-Hearing Association, Denver, CO.
23. Sorbo, J.L., Simone, M., Loret, C., Le Révérend, B.J.D., Moser, M., & Green, J. R. (2015). Spatiotemporal Variability in Jaw Masticatory Movements during Development. Annual convention of the American Speech-Language-Hearing Association, Denver, CO.
24. Zuk, J., Iuzzini-Seigel, J., Cabbage, K., Green, J.R., & Hogan, T.P. (2015). Speech perception in childhood apraxia of speech: language matters. Annual convention of the American Speech-Language-Hearing Association, Denver, CO.
25. Centanni, T., Sanmann, J., Hogan, T., Iuzzini, J., Sanger, W., & Green, J.R. (2014). The role of candidate-gene CNTNAP2 in language disorder symptoms: Motor gene or cognitive gene? Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
26. Iuzzini, J., Hogan, T.P., & Green, J.R. (2014). Utility of ASHA criteria for differentiating school-age children with CAS & speech delay, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
27. Perry, B., Green, J.R., Bueno, E., & Pomahac, B. (2014). The effects of labial strength training on strength & range of motion following facial transplantation, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
28. Rong, P., Yunusova, Y. & Green, J.R. (2014). Comparing functional declines in individuals with different rates of ALS progression, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.

29. Shellikeri, S., Green, J.R., Zinman, L., Pattee, G., Kulkari, M., & Yunusova, Y. (2014). Speech movements in amyotrophic lateral sclerosis: Cross-sectional & longitudinal aspects, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
30. Simone, M., Yunusova, Y., & Green, J.R. (2014). Validation of clinical observations of mastication in persons with ALS, Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
31. Wang, J., Samal, A., & Green, J.R. (2014) Preliminary Test of a Real-Time, Interactive Silent Speech Interface Based on Electromagnetic Articulograph. 5th Workshop on Speech and Language Processing for Assistive Technologies (SLPAT), Baltimore, MD.
32. Iuzzini, J. Green, J.R., & Hogan, T.P. (2014). Effects of masking on vowel space area in childhood apraxia of speech. Motor Speech Conference, Sarasota, FL.
33. Rong, P., Green, J.R., & Yunusova, Y. (2014). Predicting bulbar motor involvement due to ALS: A data-mining approach. Motor Speech Conference, Sarasota, FL.
34. Shellikeri, S., Yunusova, Y., Green, J., Pattee, G., & Zinman, L. (2014). Articulatory movements in amyotrophic lateral sclerosis: Tongue and jaw. Motor Speech Conference, Sarasota, FL.
35. Wang, J., Green, J.R, & Samal, A. (2014). A real-time, interactive silent speech interface based on electromagnetic articulograph, Motor Speech Conference, Sarasota, FL.
36. Iuzzini, J., Hogan, T.P., & Green, J.R. (2013). Effect of Auditory Masking in Children with CAS, Speech Delay, and Typical Speech Development. Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
37. Kuruvilla, M., Sanmann, J., Sanger, W., Hogan, T.P., & Green, J.R. (2013). Relations Between genotypes & cognitive-language phenotypes in ALS. Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
38. Rong, P., Green, J.R., & Yunusova, Y. (2013). Speech intelligibility loss as a function of speech subsystem motor decline due to ALS, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
39. Shellikeri, S., Yunusova, Y., Green, J., Pattee, G., Berry, J., Rutkove, S. & Zinman, L. (2013). Electrical impedance myography (EIM) in the evaluation of the tongue musculature: Preliminary Results. The 12th Annual NEALS Meeting, Clearwater Beach, FL.
40. Wang, J., Green, J.R, Samal, A., & Yunusova, Y. (2013). Individual articulators' contribution to vowel production by persons with ALS, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
41. Green, J. R., Yunusova, Y., Pattee, G., Zinman, L., Kuruvilla, M., Wang, J., & Falikowski, M. (2012). Bulbar motor deterioration in ALS, the 64th Annual Meeting of the American Academy of Neurology, New Orleans, LA.
42. Green, J. R., Yunusova, Y., Pattee, G., Zinman, L., Kuruvilla, M., Wang, J., & Falikowski, M. (2012). Bulbar motor deterioration in ALS. The 24th Annual International Symposium on ALS/MND, Chicago, ILL.
43. Kuruvilla, M., & Green, J.R. (2012). Functional near-infrared spectroscopy correlates of ALS-related speech motor, cognitive, and language deficits, Bulbar motor deterioration in ALS. The 24th Annual International Symposium on ALS/MND, Chicago, ILL.
44. Kuruvilla, M., Green, J.R., Hogan, T.P., Yunusova, Y., & Ayaz, H. (2012). Functional near-infrared spectroscopy correlates of ALS-related speech motor, cognitive, and language deficits, Conference on Motor Speech, Santa Rosa, CA.
45. Mefferd, A.S., Nip, I.S.B., & Green, J.R. (2012). The relative contribution of the lower lip and jaw across the lifespan, Conference on Motor Speech, Santa Rosa, CA.

46. Wang, J., Green, J. R., Samal, A., Yunusova, Y., & Kuruvilla, M. S. (2012). Stage-based progression of articulatory performances in early ALS, Conference on Motor Speech, Santa Rosa, CA.
47. Wang, J., Green, J. R., Samal, A., Yunusova, Y., Pattee, G., & Boney, T. (2012). Articulatory and acoustic vowel space changes in early stage ALS. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.
48. Wilson, E.M., Green, J.R., Yunusova, Y., & Kuruvilla, M. S. (2012). Speech deterioration in amyotrophic lateral sclerosis: The role of speech and non-speech tasks, Santa Rosa, CA.
49. Yunusova, Y., Green, J. R., Falikowski, M., Gauster, A., Kuruvilla, M., Pattee, G., & Zinman, L. Do rates of decline in bulbar mechanism predict survival in ALS: A pilot study with measures of velopharyngeal inadequacy. The 24th Annual International Symposium on ALS/MND, Chicago, ILL.
50. Kuruvilla, M., Green, J.R., & Yunusova, Y. (2011). Cognitive decline in amyotrophic lateral sclerosis (ALS): An fNIRS Study. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
51. Davidson, S., Hogan, T.P., Kuruvilla, M.S., Ayez, H., Srivastava, P., & Green, J.R. (2011). Detecting comprehension-monitoring skills in young children using fNIRS. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
52. Wilson, E.M., Green, J.R., Yunusova, Y.Y., & Moore, C.A. (2011). Task specificity in early oral motor development. Wisconsin Speech Language and Hearing Association State Convention, Stevens Point, WI.
53. Thomas, A., & Green, J.R. (2010). Temporal asynchrony of spontaneous oral movement in early speech. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
54. Nip, I.S.B., & Green, J.R. (2010). Coemergence of cognition, language, and speech motor skills. The Conceptual Structure Discourse, and Language Conference (CSDL) and Embodied and Situated Language Processing Workshop (ESLP). San Diego, CA.
55. Mefferd, A., Green, J.R., Gary, G. & Hassebroek, C. (2010). The effect of motoneuron degeneration on speech motor control and F1 variability in talkers with ALS. Motor Speech Conference, Savannah, GA.
56. Mefferd, A.M., & Green, J.R. (2010). Rate-dependent coordinative flexibility of lower lip & jaw in ALS. Motor Speech Conference, Savannah, GA.
57. Nip, I.S.B., & Green, J.R. (2010). Developmental changes in speech movement stability: Task effects. Motor Speech Conference, Savannah, GA.
58. Yunusova, Y., Green, J. R., Kuruvilla, M.S., Wang, J., Lingham, A., Pattee, G., & Zinman, L. (2010). Kinematic markers of bulbar ALS, Motor Speech Conference, Savannah, GA.
59. Evans, D. E., Healey, E.C., & Green, J.R. (2009). Task demands on the fluent speech of adults who stutter. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.
60. Kuruvilla, M.S., Green, J.R., Yunusova, Y. (2009). Functional independence of lingual movements in dysarthric speakers. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.
61. Mefferd, A.M., & Green, J.R. (2009). Rate-dependent coordinative flexibility of lower lip & jaw in ALS. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.
62. Vick, J.C., Moore, C.A., Campbell, T.F., Shriberg, L.D., & Green, J.R. (2009). Multivariate classification of children with speech delay of unknown origin. Annual meeting of the American Speech-Language Hearing Association, New Orleans, LA.

63. Vick, J.C., Moore, C.A., Campbell, T.F., Shriberg, L.D., & Green, J.R. (2009). Refinement of speech motor control in preschool-aged speakers. 157th meeting of Acoustical Society of America, Portland, OR.
64. Wang, J., Samal, A., Green, J.R., & Carrell, T.D. (2009). Vowel recognition from articulatory position time-series data. 157th meeting of Acoustical Society of America, Portland, OR.
65. Mefferd, A.S., Green, J.R., Ball, L.J. & Pattee, G. (2008). Physiological constraints and their effect on articulatory performance in ALS. Conference on Motor Speech, Monterey, CA.
66. Yunusova, Y., Green, J.R., Ball, L.J., & Pattee, G. (2008). Acoustics of bulbar deterioration in ALS. Conference on Motor Speech, Monterey, CA.
67. Nip, I.S.B., & Green, J.R. (2008). Articulatory Speed from 9 to 21 Months. Conference on Motor Speech, Monterey, CA.
68. Green, J.R., Nip, I.S.B., Wilson, E.M., & Mefferd, A.S. (2008). Articulatory modifications during infant directed speech. Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
69. Yunusova, Y. Green, J.R., Ball, L. Mefferd, A., & Pattee, G. (2007). Articulatory correlates of speech intelligibility in ALS. Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
70. Mefferd, A., Ball, L., Pattee, G. & Green, J.R. (2007). A kinematic study of rate-dependent articulatory performance changes in ALS. Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
71. Wilson, E.M., & Green, J.R. (2007). Kinematic analysis of chewing development: A longitudinal investigation. Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
72. Yee, M.J., Moore, C.A., Venkatesh, L., Vick, J., Campbell, T.F., Shriberg, L.D., Green, J.R., & Rusiewicz, H. (2007). Children's mandibular movement patterns in two nonspeech tasks. Paper presented at the 2007 Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
73. Vick, J.C., Moore, C.A., Venkatesh, L., Campbell, T.F., Rusiewicz, H.L., Shriberg, L.D., & Green, J.R. (2006). Physiologic and behavioral classification of delayed speech: Syllable repetition tasks. 4th Joint Meeting of the Acoustical Society of America and Acoustical Society of Japan, Honolulu, HI.
74. Dietz, A., Hux, K., Carrell, T., Green, J., Snell, J., & Zickefoose, S. (2006). Slowed speaking rates following TBI: Motor speech or cognitive deficit? Annual meeting of the American Speech-Language Hearing Association, Miami, FL.
75. Wilson, E., & Green, J.R. (2006). Comparison of jaw motion between early speech and early chewing. Annual meeting of the American Speech-Language Hearing Association, Miami, FL.
76. Fager, S., Green, J.R., & Hakel, M. & (2006). Facial kinematics of a speaker with palatal lift following brainstem impairment. Conference on Motor Speech, Austin, TX.
77. Mefferd, A., & Green, J.R. (2006). The predictability of formant patterns based on lingual kinematics. Conference on Motor Speech, Austin, TX.
78. Nip, I., & Green, J.R. (2006). Development of speaking rate: A kinematic perspective. Conference on Motor Speech, Austin, TX.
79. Scheer, A., Shriberg, L., Kent, R., & Green, J.R. (2006). Classification studies of childhood apraxia of speech and dysarthria. Conference on Motor Speech, Austin, TX.

80. Fager, S., Beukelman, D.R. & Hakel, M. & Green, J.R. (2005). Facial kinematics of a speaker with palatal lift following brainstem impairment. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
81. Mefferd, A., & Green, J.R. (2005). Acoustic-to-articulatory relations in response to rate and loudness manipulations. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
82. Nip, I., & Green, J.R. (2005). Development of speaking rate: A kinematic perspective. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
83. Quach, W., Green, J.R., Moore, C.A., Schriberg, L., Scheer, A., & Campbell, T. (2005). Speech timing deficits in children with speech delay. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
84. Beukelman, D.R., Ball, L.J., & Green, J.R. (2004). Pause and speech durations across speaking rates for ALS speakers. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
85. Fager, S. & Green, J.R. (2004). Orofacial kinematics in an adult with a complex clinical presentation. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
86. Green, J.R., Beukelman, D.R., & Ball, L. J. (2004). Algorithmic estimation of pauses in extended speech samples. Conference on Motor Speech, Albuquerque, NM.
87. Hakel, M., Beukelman, D.R., Fager, S., Green, J.R., & Marshall, J. (2004). Dynamic nasal obturation using a one-way valve: Technical report on a prototype. Conference on Motor Speech, Albuquerque, NM.
88. Hosom, J.P., Shriberg, L., & Green, J.R. (2004). Diagnostic assessment of childhood apraxia of speech using automatic speech recognition (ASR) methods. Conference on Motor Speech, Albuquerque, NM.
89. Wilson, E.M. & Green, J.R. (2004). Kinematic description of chewing development, Annual meeting of the American Speech-Language Hearing Association, Conference on Motor Speech, Albuquerque, NM.
90. Wilson, E.M. & Green, J.R. (2004). Kinematic description of chewing development. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
91. Wilson, E.M. & Green, J.R. (2003). Kinematic description of chewing development, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
92. Green, J.R., & Weismer, G. (2003). Acoustic consequences of articulatory strategy, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
93. Patel, R. & Green, J.R. (2002). Orofacial coordination in Möbius syndrome. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.
94. Wilson, E.M. & Green, J.R. (2002). Lingual coordination during swallowing. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.
95. Green, J.R. & Wilson, E. (2002). A kinematic description of oromotor behaviors during the first year of life. Conference on Motor Speech, Williamsburg, VA.
96. Green, J.R., Shriberg, L.D., & Campbell, T.F. (2002). Speech timing variability in children with typical speech acquisition, speech delay, and suspected apraxia of speech. Conference on Motor Speech, Williamsburg, VA.

97. Green, J.R., & Weismer, G. (2001). Articulatory and acoustic relations during variations in speech rate and loudness. The 141th Meeting of the Acoustical Society of America, Chicago, IL.
98. Green, J.R., Pittelko, S.L., & Wang, Y. (2000). Tongue surface dynamics during speech and swallowing. The 140th Meeting of the Acoustical Society of America, Newport Beach, CA.
99. Green, J.R., Moore, C.A., & Reilly, K.J. (2000). The asynchronous development of articulatory control. Conference on Motor Speech, San Antonio, TX.
100. Connaghan, K.P., Moore, C.A., Reilly, K.J., Campbell, T.F., Green, J.R., & Steeve, R.W. (2000). Inter-articulator coordination in children with impaired speech motor control. Annual meeting of the American Speech-Language Hearing Association, Washington, D.C.
101. Reilly, K.J., Moore, C.A., Connaghan, K.P., Campbell, T.F., Green, J.R., & Steeve, R.W. (2000). Lip configurations in impaired speech motor control. Annual meeting of the American Speech-Language-Hearing-Association, Washington, D.C.
102. Connaghan, K.P., Reilly, K.J., Moore, C.A., Campbell, T.F., & Green, J.R. (2000). Kinematics of motor speech disorders. Conference on Motor Speech, San Antonio, Texas.
103. Reilly, K. J., Moore, C.A., Campbell, T. F., Green, J.R. (1999). Developmental speech motor disorders: kinematic, description, and classification. Annual meeting of the American Speech-Language-Hearing Association, San Francisco, CA.
104. Steeve, R.W., Moore, C.A., & Green, J. R. (1999). Physiologic development of mandibular coordination in 9-month-old children. Annual meeting of the American-Speech-Language-Hearing Association, San Francisco, CA.
105. Green, J.R., Moore, C.A., Higashikawa, M., & Steeve, R. (1998). Respondents: Kent, R.D. & Locke, J.L. Physiologic development of speech motor control: Lips and jaw. Annual meeting of the American Speech-Language-Hearing Association, San Antonio, TX.
106. Higashikawa, M., Moore, C.A., & Green, J.R. (1998). Longitudinal study of respiratory coordination in children 9 - 48 months. Annual meeting of the American Speech-Language Hearing Association, San Antonio, TX.
107. Steeve, R., Moore, C.A., & Green, J.R. (1998). Physiologic development of mandibular coordination in 9-month-old children. Annual meeting of the American Speech-Language Hearing Association, San Antonio, TX.
108. Green, J.R., Moore, C.A., Higashikawa, M., & Steeve, R. (1998). Development of lip and jaw coordination for production of bilabial consonants. Conference on Motor Speech, Tucson, AZ.
109. Moore, C.A., Steeve, R., & Green, J.R. (1998). Physiologic development of mandibular coordination in 9-month-old children: An update. Conference on Motor Speech, Tucson, AZ.
110. Green, J.R., Moore, C.A., & Rodda, P.R. (1997). Longitudinal study of chewing in children aged 12 to 48 months. Annual meeting of the American Speech-Language Hearing Association, Boston, MA.
111. Green, J.R., Buder, E.H., Rodda, P.R., & Moore, C.A. (1996). Reliability of measurement across several acoustic voice analysis systems. Conference on Motor Speech. Amelia Island, FL.

### *Regional*

1. Wang, J., Green, J.R., Samal, A., & Carrell, T.D. (2010). Recognizing continuously produced vowels from articulatory movements. IEEE International Conference on Signal Processing and Communications (ICSPC 2009), Omaha, Nebraska.

2. Greenway, L., & Green, J.R. (2006). Orofacial movement in infant-directed speech. Undergraduate Research Conference, University of Nebraska-Lincoln
3. Wilson, E.M., Green, J.R., & Weismer, G. (2005). Kinematic description of chewing development. Annual convention of the Wisconsin Speech-Language Pathology and Audiology Association, Middleton, WI.

### ***Professional presentations and panels***

1. Green, J.R., Arbel, Y., Barkmeier-Kramer, J., Berry, J., & Mefferd, A.S. (2015). Thinking about a PhD? Information for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, Denver, CO.
2. Green, J.R., Rousseau, B., Spencer, K., & Zimmerman, E. (2014). Thinking about a PhD? Information for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, Orlando, FL.
3. Green, J.R., (2014). New directions in research on speech impairments due to ALS. ALS patient day, MGH ALS Clinic, Boston, MA.
4. Green, J.R., Adlof, S.M., Hogan, T. P., Nip, I., & Wilson, E.M. (2013). Thinking about a PhD? Information for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.
5. Tjaden, K., Green, J.R., Oetting J., & Ryals, B. (2012). Thinking about a PhD? Information for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.
6. Barlow, S., Green, J.R., & Martin, N. (2012). Introduction to Grant Writing. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
7. Gray, S., Evans, J., Rodriguez, B., Kiran, S., Hogan, T.P., & Green, J.R. (2012). Thinking about a PhD? Information session for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.
8. Tjaden, K., Green, J.R., Oetting J., & Ryals, B. (2011). Thinking about a PhD? Information session for prospective doctoral students. Annual meeting of the American Speech-Language Hearing Association, San Diego, CA.

## **TEACHING**

### ***Courses***

Instructor: *Motor Speech Disorders* (MGH IHP)

Instructor: *Matlab programming for the Speech and Hearing Sciences* (UW-Seattle)

Instructor: *Neural Processes in Speech, Language, and Hearing* (UW-Madison, UNL)

Instructor: *Doctoral Seminar on Speech Physiology I* (UNL)

Instructor: *Doctoral Seminar on Speech Physiology II* (UNL)

Instructor: *Dysphagia* (UW-Madison)

### ***Independent Studies: 34***

### ***Master's Theses when serving as Primary Advisor***

1. Karpinski, L., J. (2016). The effects of transcranial direct current stimulation on speech motor learning, MGH Institute of Health Professions, Boston, MA.



2. Sorbo, J. (2015). Developmental changes of jaw movement pattern stability during chewing, MGH Institute of Health Professions, Boston, MA.
3. Rowe, L. (2015). Speech Sound degradation over the course of amyotrophic lateral sclerosis, MGH Institute of Health Professions, Boston, MA.

### ***Doctoral Advising and Doctoral Committees***

UNL: 8 students (Chair), 3 students (Co-chair), 12 students (Committee Member)  
 UW-Madison: 1 student (Chair), 9 students (Committee Member)

### ***Students' Dissertations when serving as Primary Advisor or Committee Member***

1. Thibeault, S. (2001). Vocal fold injury and repair, University of Wisconsin-Madison.
2. Wang, Y.T. (2003). Dysarthria associated with traumatic brain injury, University of Wisconsin-Madison.
3. Easterling, C.S. (2004). Effect of the shaker exercise on swallow and vocal function.
4. Wilson, E.M. (2005). Kinematic description of chewing development, University of Wisconsin-Madison.
5. Nip, I.S.B. (2007). Early speech motor development: the influences of cognitive and linguistic factors, University of Nebraska-Lincoln.
6. Evans, K.J. (2008). Gesture comprehension by individuals with traumatic brain injury, University of Nebraska-Lincoln.
7. Mefferd, A.S. (2008). Rate-dependent articulatory performance changes in talkers with amyotrophic lateral sclerosis, University of Nebraska-Lincoln.
8. Evans, D. (2009). The effect of linguistic, memory, and social demands on the speech motor control and autonomic response of adults who stutter, University of Nebraska-Lincoln.
9. Janky, K.L. (2009). Unilateral centrifugation: Effects of age, translation method and vestibular disease on ocular torsion and SVV, University of Nebraska-Lincoln.
10. Srinivasan, N.K. (2010). The perception of nature, cell phone, computer-synthesized speech during the performance of simultaneous visual-motor tasks, University of Nebraska-Lincoln.
11. Wang, J. (2011). Silent speech recognition from articulatory motion
12. Sanman, J. N. (2012). Phenotypic consequences of duplications involving short stature homeobox (SHOX), University of Nebraska Medical Center.
13. Farquharson Schussler, K. (2012). Working memory processes in children with and without persistent speech sound disorders. University of Nebraska-Lincoln.
14. Cabbage, K. (2013). Perceptual skills underlying phonological deficits in children: evidence from behavioral and electrophysiological measures of speech perception. University of Nebraska-Lincoln.
15. Thomas, A. (2013). Word learning effects on speech motor performance in children with childhood apraxia of speech. University of Nebraska-Lincoln.

### ***Postdoctoral Fellows***

Yunusova, Y. (2005-2006), Kuruvilla, M. (2008-2011), Wang, J. (2012), Iuzzini, J. (2012 - 2015), Rong, P. (2012- 2016), Allison, K. (2015-present), Wei, X. (2016-present)

***External Examiner of Doctoral Dissertations (International)***

Cheng, H.A. (2006). A physiologic investigation of speech motor development, The University of Queensland, Australia.

***HONORS***

- 2017 MGH IHP Faculty Award for Excellence in Research; Frist Prize, poster presented at the 6<sup>th</sup> International Conference on Speech Motor Control, Groningen, Netherlands
- 2014 Willard R. Zemlin Memorial Lecture Award, American Speech-Language-Hearing Association
- 2011 Fellow of the American Speech-Language-Hearing Association
- 2003 - 2013 Endowed Chair, University of Nebraska-Lincoln
- 2006 First Prize, poster presented at the 5th International Conference on Speech Motor Control, Nijmegen, Netherlands
- 2005 Certificate of Recognition for Contributions to Students, UNL Parents Association and the UNL Teaching Council
- 2003 Professor of the Year, University of Wisconsin-Madison NSSLHA
- 2000 Editor's Award in Speech for article of highest merit, Journal of Speech, Language, and Hearing Research

***PROFESSIONAL ACTIVITIES******Editorial Consultant***

American Journal of Speech-Language Pathology  
 Archives of Oral Biology  
 ASHA's continuing education program  
 Communicative Disorders Review  
 Computer Methods and Programs in Biomedicine  
 Computer Speech and Language  
 Dysphagia  
 Dysphagia Document Revision Group for ASHA  
 Experimental Brain Research  
 Folia Phoniatica et Logopaedica  
 Frontiers in Human Neuroscience  
 International Journal of Language & Communication Disorders  
 Journal of Communication Disorders  
 Journal of Neurophysiology  
 Journal of Oral Rehabilitation  
 Journal of Speech, Language, and Hearing Research  
 Neurorehabilitation and Neural Repair

***Guest Associate Editor***

Journal of Speech, Language, and Hearing Research

***Member of National Institutes of Health Grant Review Panel***

2008 - 2012: Center for Scientific Review, The Motor Function, Speech and Rehabilitation Study Section (MFSR)

***Ad hoc Grant Reviewer***

2017: U.S. Department of Veteran's Affairs

2016: NIH Center for Scientific Review, MFSR

2015: NIH Center for Scientific Review, MFSR; ASHA conference, Lessons for Success Program; ASHA Foundation, Grant Reviewer Training Program (GRRT)

2014: NIH, National Institute on Deafness and Other Communication Disorder (NIDCD); NIH, National Institute on Dental and Craniofacial Research (NIDCR); ASHA Foundation, Lessons for Success Program; ASHA, Grant Reviewer Training Program (GRRT)

2013: NIH Center for Scientific Review, MFSR

2007, 2009: American Speech-Language-Hearing Foundation

2007: Center for Scientific Review, MFSR

2006 - 2010: NIH, National Institute on Deafness and Other Communication Disorder (NIDCD)

2004: National Science Foundation

***Conference Programming and Service***

2011- present: Co-Chair, Biannual Conference on Motor Speech

2014: Session Co-Chair, Conference of the International Speech Communication Association

2010: Committee member, Basic science program planning committee for 2010 American Speech-Language and Hearing Association's annual meeting

2009 - 2011: Committee member, Planning committee for the Annual ASHA-NIH Research Symposium.

2009: Committee member, Basic science program planning committee for the 2010 Motor Speech Conference meeting

2008: Co-Chair, 18th Annual ASHA-NIH Research Symposium: Neurobiological determinants of human communication: Prematurity and early childhood

2008: Committee member, Executive planning committee for the 2010 Conference on Motor Speech meeting

2008: Committee member, Basic science program planning committee for 2008 American Speech-Language and Hearing Association's annual meeting

2007: Committee member, Basic science program planning committee for 2007 American Speech-Language and Hearing Association's annual meeting

2005: Committee member, Basic science program planning committee for 2005 American Speech-Language and Hearing Association's annual meeting

2004: Program Chair, Speech Science section for 2004 Conference on Motor Speech

2002: Committee member, Basic science program planning committee for 2002 American Speech-Language and Hearing Association's annual meeting

2001: Committee member, Basic science program planning committee for 2001 American Speech-Language and Hearing Association's annual meeting

1999: Committee member, Basic science program planning committee for 2000 American Speech-Language and Hearing Association's annual meeting

***Memberships***

American Speech and Hearing Association (01086796)

Acoustical Society of America

***Scientific consultant***

Biogen

Retrophin

***OTHER SERVICES***

2017: Sponsor, Northeast ALS Consortium (NEALS) Bulbar Symposium

2016: Committee member, MGH IHP President Search Committee

2016-present: Committee member, Graduate Admissions, Speech and Hearing Biosciences and Technology Program, Harvard.

2016-present: Director, SHBT Speech-Language Pathology tract, Speech and Hearing Biosciences and Technology Program, Harvard.

2015-2016: Committee member, Institutional Review Board (Spaulding Rehabilitation Hospital)

2014-2017: Representative for American Speech-Language and Hearing Association, American Association for the Advancement of Science

2013-2018: Data and Safety Monitoring Board for NIH-NIDCD supported clinical trial

2011-2014: Committee member, Research and Scientific Affairs Committee, American Speech-Language and Hearing Association

2010-2013: Chair, Departmental Governance Committee (UNL)

2010-2013: Committee member, Institutional Review Board (UNL)

2009, 2011: Committee member, Departmental Governance Committee (UNL)

2009 - 2010: Committee member, Departmental Chair Search Committee (UNL)

2006, 2008: Committee member, College of Education and Health Sciences Promotion and Tenure Committee (UNL)

2007: Co-chair, College of Education and Health Sciences Promotion and Tenure Committee (UNL)

2007: Chair, Departmental Search Committee (UNL)

2003 - 2006: Barkley-Madonna Institute Liaison (UNL)

2003 - 2013: Graduate Advisor (UNL)

2003 - 2013: Committee member, Comm Dis Ad hoc Transition Committee (UNL)

2003 - 2013: Committee member, Barkley IT Advisory Board (UNL)

1999 - 2003: Committee member, Masters Curriculum Revision Committee (UW-Madison)

1996: Committee member, Doctoral Curriculum Revision Committee (UW, Seattle)

***CERTIFICATION AND LICENSURE***

1992 - Present: ASHA Certificate of Clinical Competence in Speech-Language Pathology

1991 - 93: California State License in Speech and Language Pathology (#8323)