Curriculum Vitae

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

Chief Scientific Advisor
MGH Institute of Health Professions

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

2013-present PROFESSOR (Matina Souretis Horner Professorship)
Communication Sciences and Disorders, MGH Institute of Health Profession

2021-present CHIEF SCIENTIFIC ADVISOR
MGH Institute of Health Profession

2016-present AFFILIATE PROFESSOR & RESEARCH ASSOCIATE
Speech & Hearing Bioscience & Technology Program (SHBT), Harvard Medical School

2017-present RESEARCH ASSOCIATE
Spaulding Rehabilitation Hospital, Boston

2018-2021 ASSOCIATE PROVOST for RESEARCH
MGH Institute of Health Profession

2017-2018 ASSOCIATE DIRECTOR of RESEARCH
MGH Institute of Health Profession

2014-17 ADJUNCT PROFESSOR
School of Behavioral and Brain Sciences, The University of Texas at Dallas

2013-17	RESEARCH AFFILIATE
	McGovern Institute for Brain Research, Massachusetts Institute of Technology
2011-13	PROFESSOR
	Department of Special Education and Communication Disorders, University of Nebraska-Lincoln
2010-13	ADJUNCT PROFESSOR & DIRECTOR of Neurogenetics Communication Disorders Consortium
	Munroe-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 Grant: *Social connectedness in people with amyotrophic lateral sclerosis: The impact of dysarthria, immobility, and psychosocial factors.* R01DC021446/DC/NIDCD NIH HHS/United States; Co-PIs: Kathryn Connaghan, Jordan Green: 2024-2029

Research Grant: *A digital tool for monitoring speech decline in ALS;* R42DC019877/DC/NIDCD NIH HHS/United States*;* Co-PIs: Jordan Green, Vikram Ramanarayan; 2022-2026

Research Grant: *Identifying physiological markers of speech and swallowing impairment across phenotypes in individuals with XDP: a longitudinal study*; The Collaborative Center for XDP, MGH; 2019-2021

Research Grant: *Maximizing social connection in persons with speech impairment due to ALS*; The ALS Association; Co-I, PI: Kahryn Connaghan; 2020-2022

Research Grant: *Predicting and optimizing language outcomes in minimally verbal children with autism spectrum disorder;* 1P50DC018006/DC/NIDCD NIH HHS/United States*; 2019-2025*

Research Grant: *The development and validation of a novel tool for the assessment of bulbar dysfunction in ALS;* 1R01DC017291/DC/NIDCD NIH HHS/United States*; Co-PIs: Yana Yunusova, Jordan Green. 2018-2025.*

Research Grant: *Assessing and restoring lip motor function following facial transplantation*; R21DC016664/DC/NIDCD NIH HHS/United States; 2018-2020.

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; 2018-2024.

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-PIs: Yana Yunusova, Jordan Green; 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

Clinical Trials Subcontract: Remote Disease Monitoring with Digital Technology in ALS Patients; (PI); Mitsubishi Tanabe Pharma Holdings America; PI: James Berry; 2021-2026.

Research Grant: *The impact of dysarthria on communicative participation in people with ALS*, 1R15DC018944-01A1/NIDCD NIH HHS/United States; PI: Kathryn Connaghan, 2021-2024

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

Advisor and Mentor

Dissertation Grant: *Kinematic and acoustic analysis of speech in autism spectrum disorder;* 1F31DC020108-01/DC/NIDCD NIH HHS/United States; Mentee: Marc Maffei; 2021-2024

Dissertation Grant: *Exploring the validity of articulatory impairment phenotypes in speech motor disorders;* 1F31DC019556-01/DC/NIDCD NIH HHS/United States; Mentee: Hannah Rowe; 2021-2024

Dissertation Grant: *Clear speech practice in ALS: Effects of single-session dosage and feedback from a novel, automated, ASR-based practice paradigm;* F31DC19016-01/DC/NIDCD NIH HHS/United States; Mentee: Sarah Gutz; 2020-2022

Postdoc Grant: *The development and validation of a novel tool for the assessment of bulbar dysfunction in ALS;* 3R01DC017291-01/DC/NIDCD NIH HHS/United States*;* Mentee: Ana Zaninotto; *2020-2022*

Postdoc Grant: *Biomechanics of articulatory imprecision in children with cerebral palsy.*

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

Dissertation Grant: *Anatomic and biomechanic biomarkers of lingual impairment in persons with ALS.* F31DC015941/DC/NIDCD NIH HHS/United States; Mentee: Bridget Perry; 2017-2019

Dissertation Grant: *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 ALS.* 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.

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.

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.

Mentor or Co-mentor

Research Award: *Early Biomarkers of Alzheimer's Disease: Using Speech Markers to Detect Mild Cognitive Impairment;* 1 1K23DC019179 /DC/NIDCD NIH HHS/United States; Mentee: Marziye Eshghi; 2021-2026

Research Award: *Dissociating verbal mediation and executive function in children with developmental language disorder;* 1F32DC020095-01A1/DC/NIDCD NIH HHS/United States; Mentee: Lauren Baron; 2022-2024

Research Award: *Role of Articulatory Motor Areas in Central Processing of Speech Sounds in Human Brain;* 1K23DC018022-01/DC/NIDCD NIH HHS/United States; Mentee: Shasha Li; 2019-2024

Research Award: *Identifying and Treating Childhood Apraxia of Speech in Minimally Verbal Children with Autism;* 7K99DC017490-02 /DC/NIDCD NIH HHS/United States; Mentee: Karen Chenausky; 2019-2021

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, 2021,2023

Student

NIH-NIDCD Research Training Fellowship; University of Washington; PI: Christopher Moore; 1993-1998

PUBLICATIONS

Peer-Reviewed Manuscripts and Peer-Reviewed Book Chapters

1. Pommée, T., Bouvier, L., Barnett-Tapia, C., Maffei, M.F., Gutz, S.E., Tilton-Bolowsky, V.E., Martino, R., Berry, J.D., Abrahao, A., Zinman, L., **Green, J.R.**, & Yunusova, Y. (2025). Construct Validity of the Amyotrophic Lateral Sclerosis Bulbar Dysfunction Index–Remote. *American Journal of Speech-Language Pathology*, 1-23. PMID: 40460399
2. Navar Bingham, I., Norel, R., Roitberg, E.G., Peller, J., Trevisan, M., Agurto, C., Shalom, D.E., Aguirre, F., Embon, I., Taitz, A., Harris, D., Wright, A., Seaver, K., Sullivan, S., **Green, J.R.**, Ostrow, L.W., Fraenkel, E., & Berry, J.D. (2024). Listener effort quantifies clinically meaningful progression of dysarthria in people living with amyotrophic lateral sclerosis. *Brain Communications, fcaf232*. PMID: 38853969
3. Maffei, M., Chenausky, C., Tager-Flusberg, H., & **Green, J.R.** (2025). An acoustic analysis of speech motor performance in autistic children. *Journal of Speech, Language, and Hearing Research,* 68(6), 2802-2824. PMID: 40396830
4. Connaghan, K.P., Eshghi, M., Haenssler, A.E., **Green, J.R.**, Wang, J., Scheier, Z., … & Berry, J.D. (2025). A preliminary investigation of acoustic features for remote monitoring of respiration in ALS. *Muscle & Nerve.* PMID: 40365751
5. Ayoub, M.J., Keegan, L., Luo, M.Z., Tager-Flusberg, H., Chenausky, K., Maffei, M.F., **Green, J.R.** & Gill, S.V. (2025), The intersection of variability in gross motor performance and adaptive behavior in young autistic children: combining video data analysis and standardized assessments. *Autism Research,* 18(6), 1269-1278. PMID: 40296376
6. **Green, J.R.**(2024). Artificial intelligence in communication sciences and disorders: Introduction to the forum. *Journal of Speech, Language, and Hearing Research*, 67(11), 4157-4161. PMID: 39418586
7. Tobin, J., Nelson, P., MacDonald, B., Heywood, R., Cave, R., Seaver, K., ... & **Green, J.R.** (2024). Automatic speech recognition of conversational speech in individuals with disordered speech. *Journal of Speech, Language, and Hearing Research*, Jul 4: 1-10. PMID: 38963790
8. Zaninotto, A.L., Makary, M.M., Rowe, H.P., Eshghi, M., Tseng, C.E., Chan, J., Zürcher, N., Hooker, J., Lewis, A., Keegan, M., Gifford, R., **Green, J.R.**, & Babu, S. (2024). Speech motor impairment in ALS is associated with multiregional cortical thinning beyond primary motor cortex. *Frontiers in Neurology*, 15, 1451177. PMID: 39410995
9. Kao, T.H., Rowe, H.P., **Green, J.R.**, Stipancic, K.L., Sharma, N., de Guzman, J.K., Supnet-Wells, M., Acuna, P., & Perry, B. J. (2024). Oral Diadochokinetic markers of X-linked dystonia-parkinsonism. *Parkinsonism & Related Disorders*, 105991. PMID: 38184995

10. Simeone, P.J., **Green, J.R.**, Tager-Flusberg, H., & Chenausky, K.V. (2024). Vowel distinctiveness as a concurrent predictor of expressive language function in autistic children. *Autism Research*, 17(2), 419-431. PMID: 38348589

11. Rowe, H.P., Stipancic, K.L., Campbell, T.F., Yunusova, Y., & **Green, J.R.** (2024). The association between longitudinal declines in speech sound accuracy and speech intelligibility in speakers with amyotrophic lateral sclerosis. *Clinical Linguistics & Phonetics*, 3;38(3):227-248. PMID: 37122073

12. Connaghan, K.P., **Green, J.R.**, Eshghi, M., Haenssler, A.E., Scheier, Z.A., Clark, A., ... & Berry, J. D. (2024). The relationship of rate and pause features to the communicative participation of people living with ALS. *Muscle & Nerve*. PMID: 38837773

13. Maffei, M.F., Chenausky, K.V., Haenssler, A., Abbiati, C., Tager-Flusberg, H., & **Green, J.R.** (2024). Exploring Motor Speech Disorders in Low and Minimally Verbal Autistic Individuals: An Auditory-Perceptual Analysis. *American Journal of Speech-Language Pathology*, *33*(3), 1485-1503. PMID: 38512040

14. Lankinen, K., Wang, R., Tian, Q., Wang, Q. M., Perry, B.J., **Green, J.R.**, ... & Li, S. (2024). Individualized white matter connectivity of the articulatory pathway: An ultra-high field study. Brain and language, 250, 105391. PMID: 38354542

15. Lankinen, K., Ahveninen, J., Uluç, I., Daneshzand, M., Mareyam, A., Kirsch, J. E., Polimeni, J.R., Healy, B.C., Tian, Q., Khan, S., Nummenmaa, A., Wang., Q.M., **Green, J.R.**, Kimberley, T.J., & Li, S. (2023). Role of articulatory motor networks in perceptual categorization of speech signals: a 7T fMRI study. *Cerebral Cortex*, 33(24), 11517-11525. PMID: 37851854

16. Chenausky, K. V., Maffei, M., Tager-Flusberg, H., & **Green, J.R.** (2023). Review of methods for conducting speech research with minimally verbal individuals with autism spectrum disorder. *Augmentative and Alternative Communication*, 39(1), 33-44. PMID: 36345836

17. Gutz, S.E., Maffei, M.F., & **Green, J.R.** (2023). Feedback From Automatic Speech Recognition to Elicit Clear Speech in Healthy Speakers. *American Journal of Speech-Language Pathology*, 32(6), 2940-2959. PMID: 37824377

18. Daneshzand, M., Lankinen, K., Ahveninen, J., Wang, Q. M., **Green, J.R.**, Kimberley, T.J., & Li, S. (2023). Personalized 7T fMRI-Guided navigation TMS targeting: Preliminary data of speech-motor cortex in speech perception. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 16(5), 1455-1457. PMID: 37774914

19. Bouvier, L., **Green, J.R.**, Tapia, C.B., Tilton-Bolowsky, V., Maffei, M.F., Fless, Z., ... & Yunusova, Y. (2023). Amyotrophic lateral sclerosis–bulbar dysfunction index–remote: test–retest and interrater reliability of candidate items. *American Journal of Speech-Language Pathology*, 32(4S), 1884-1900. PMID: 37494887

20. Eshghi, M., Li, B., **Green, J.R.**, & Salat, D.H. (2023). Associations between age and cortical thickness in brain regions supporting speech motor control. *Alzheimer's & Dementia*, 19, e065427.

21. Acuna, P., Supnet-Wells, M.L., Spencer, N.A., de Guzman, J.K., Russo, M., Hunt, A., Stephen, C., Go, C., Carr, S., Niecy, G.G., Lagarde, J.B., Begalan, S., Multhaput-Bell, T., Aldykiewicz, G., Paul, L., Ozelius, L., Bragg, C.B., Perry, B., **Green, J.R.**, Miller, J., & Sharma, N. (2023). Establishing a natural history of X-linked dystonia parkinsonism. *Brain Communications*, 5(3), fcad106. PMID: 37265597

22. Yunusova, Y., Waito, A., Barnett Tapia, C., Huynh, A., Martino, R., Abrahao, A., ... & **Green, J.R.** (2023). Face and content validation of the amyotrophic lateral sclerosis—Bulbar dysfunction index (ALS-BDI). *Frontiers in Neurology*, 13, 1078612. PMID: 36686519

23. Maffei, M. F., **Green, J.R.**, Murton, O., Yunusova, Y., Rowe, H. P., Wehbe, F., ... & Connaghan, K. P. (2023). Acoustic Measures of Dysphonia in Amyotrophic Lateral Sclerosis. *Journal of Speech, Language, and Hearing Research*, 66(3), 872-887. PMID: 36802910

24. Chenausky, K.V., Baas, B., Stoeckel, R., Brown, T., **Green, J.R.**, Runke, C., ... & Clark, H. (2023). Comorbidity and Severity in Childhood Apraxia of Speech: A Retrospective Chart Review. J*ournal of Speech, Language, and Hearing Research*, 66(3), 791-803 PMID: 36795544

25. Teplansky, K. J., Wisler, A., **Green, J.R.**, Heitzman, D., Austin, S., & Wang, J. (2023). Measuring Articulatory Patterns in Amyotrophic Lateral Sclerosis Using a Data-Driven Articulatory Consonant Distinctiveness Space Approach. *Journal of Speech, Language, and Hearing Research*, 1-13. PMID: 36787156

26. Maffei, M.F., Chenausky, K.V., Gill, S. V., Tager-Flusberg, H., & **Green, J.R.** (2023). Oromotor skills in autism spectrum disorder: A scoping review. *Autism Research*. PMID: 37010327

27. Teplansky, K.J., Wisler, A., **Green, J.R.**, Campbell, T., Heitzman, D., Austin, S.G., & Wang, J. (2023). Tongue and Lip Acceleration as a Measure of Speech Decline in Amyotrophic Lateral Sclerosis. *Folia Phoniatrica et Logopaedica*, 75(1), 23-34. PMID: 35760064

28. Gutz, S.E., Rowe, H.P., Tilton-Bolowsky, V.E., & **Green, J.R.** (2022). Speaking with a KN95 face mask: a within-subjects study on speaker adaptation and strategies to improve intelligibility. *Cognitive Research: Principles and Implications, 7*, 1-20. PMID: 35907167

29. Cordella, C., Gutz, S.E., Eshghi, M., Stipancic, K.L., Schliep, M., Dickerson, B.C., & **Green, J.R.** (2022). Acoustic and kinematic assessment of motor speech impairment in patients with suspected four-repeat tauopathies. *Journal of Speech, Language, and Hearing Research, 65*, 4112-4132. PMID: 36306508

30. Rowe, H.P., Gochyyev, P., Lammert, A.C., Lowit, A., Spencer, K.A., Dickerson, B.C., Berry, J.D., & **Green, J.R.** (2022). The efficacy of acoustic-based articulatory phenotyping for characterizing and classifying four divergent neurodegenerative diseases using sequential motion rates. *J Neural Transmission, 129 (12)*, 1487-1511. PMID: 36305960

31. Eshghi, M., Yunusova, Y., Connaghan, K.P, Perry, B.J., Maffei, M., Berry, J.D., Zinman, L., Kalra, S., Korngut, L., Genge, A., Dionne, A., & **Green, J.R.** (2022). Rate of speech decline in individuals with amyotrophic lateral sclerosis. *Sci Rep, 12*, 15713. PMID: 36127362

32. Rowe, H. P., Shellikeri, S., Yunusova, Y., Chenausky, K.V., & **Green, J.R.** (2022) Quantifying articulatory impairments in neurodegenerative motor diseases: A scoping review and meta-analysis of interpretable acoustic features. *International Journal of Speech-Language Pathology*, 1-14. PMID: 36001500

33. Gutz, S., Stipancic, K., Yunusova, Y., Berry, J., & **Green, J.R.** (2022) Validity of off-the-shelf automatic speech recognition for assessing speech intelligibility and speech severity in speakers with amyotrophic lateral sclerosis. *Journal of Speech, Language, and Hearing Research*, *65*(3), 1-16. PMID: 35623334

34. Tanchip, C., Guarin, D., Mckinlay, S., Barnett, C., Kalra, S., Genge, A., Korngut, L., **Green, J.R.**, Berry, J., Zinman, L., Yadollah, A., Abrahao, A., & Yunusova, Y. (2022) Validating automatic diadochokinesis analysis methods across dysarthria severity and syllable task in amyotrophic lateral sclerosis. *Journal of Speech, Language, and Hearing Research*, *65*(3), 940-953. PMID: 35171700

35. Chenausky, K., Gagne, D., Stipancic, K., Shield, A., & **Green, J.R.** (2022) The relationship between single-word speech severity and intelligibility in childhood apraxia**.** *Journal of Speech, Language, and Hearing Research, 65*(3),843-857. PMID: 35133873

36. Yunusova, Y., Waito, A., Barnett, C., Huynh, A., Martino, R., Abrahao, A., Pattee, G. L., Berry, J. D., Zinman, L., & **Green, J.R.** (2022). Protocol for psychometric evaluation of the amyotrophic lateral sclerosis – bulbar dysfunction index (ALS-BDI): A Prospective Longitudinal Study. *BMJ Open, 12(3)*. PMID: 35260465

37. Perry, B. J., Eshghi, M., Stipancic, K. L., Richburg, B., Ventresca, H., Pomahac, B., & **Green, J.R.** (2022) Longitudinal recovery of speech motor function following facial transplantation: A prospective observational study. *The Laryngoscope*. PMID: 35218215

38. Ramanarayanan, V., Lammert, A. C., Rowe, H. P., Quatieri, T. F., & **Green, J.R.** (2022). Speech as a biomarker: Opportunities, interpretability, and challenges. *Perspectives of the ASHA Special Interest Groups*, *7*(1), 276–283.

39. Prudente, C.N., Chen, M., Stipancic, K.L., Marks, K.L., Samargia-Grivette, S., Goding, G.S., **Green, J.R.** and Kimberley, T.J. (2022). Effects of low-frequency repetitive transcranial magnetic stimulation in adductor laryngeal dystonia: a safety, feasibility, and pilot study. Experimental Brain Research, 240(2), 561-574. PMID: 34859288

40. Rowe, H.P., Gutz, S.E., Maffei, M.F., Tomanek, K., & **Green, J.R.** (2022). Characterizing dysarthria diversity for automatic speech recognition: A tutorial from the clinical perspective. Frontiers in Computer Science, 43. PMID: 37860708

41. Stipancic, K. L., Palmer, K. M., Rowe, H. P., Yunusova, Y., Berry, J. D., & **Green, J.R.** (2021). "You say severe, I say mild": Toward an empirical classification of dysarthria severity. *Journal of Speech, Language, and Hearing Research*, *64*(12), 4718-4735. PMID: 34762814

42. Rowe, H. P., Stipancic, K. L., Lammert, A. C., & **Green, J.R.** (2021). Validation of an acoustic-based framework of speech motor control: Assessing criterion and construct validity using kinematic and perceptual measures. *Journal of Speech, Language, and Hearing Research*, *64*(12), 4736-4753. PMID: 34735295

43. Eshghi, M., Connaghan, K.P., Gutz, S.E., 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*, 1-12. PMID: 34714698

44. Shellikeri, S., Marzouqah, R. Brooks, B., Zinman, L., **Green, J.R.**, & Yunusova, Y. (2021), Psychometric properties of rapid word-based rate measures in the assessment of bulbar amyotrophic lateral sclerosis: Comparisons with syllable-based rate tasks, *Journal of Speech, Language, and Hearing Research*, 1-14. PMID: 34699273

45. Rowe, H., Stipancic, K.L., Lammert, A., & **Green, J.R.** (2021). Validation of an acoustic-based framework of speech motor control: Assessing criterion and construct validity using kinematic and perceptual measures. *Journal of Speech, Language, and Hearing Research*, 1-18. PMID: 34735295

46. Stipancic, K.L, Kuo, Y., Miller, A., Ventresca, H.M., Sternad, D., Kimberley, T.J., **Green, J.R.** (2021). The effects of continous oromotor activity for speech motor performance: Speech biomechanics and neurophysiologic correlates. *Experimental Brain Research*, 239(12), 3487-3505. PMID: 34524491

47. Zaninotto, A. L., de Guzman, J. K., Stipancic, K. L., Perry, B. J., Supnet, M. L., Go, C., ... & **Green, J.R.** (2021). Speech and swallowing deficits in X-Linked Dystonia-Parkinsonism. Parkinsonism & Related Disorders, 89, 105-110. PMID: 34274618

48. Perry, B. J., Stipancic, K. L., Martino, R., Plowman, E. K., & **Green, J.R.** (2021). Biomechanical biomarkers of tongue impairment during swallowing in persons diagnosed with amyotrophic lateral sclerosis. *Dysphagia*, 36(1), 147-156. PMID: 32347416

49. Waito, A. A., Wehbe, F., Marzouqah, R., Barnett, C., Shellikeri, S., Cui, C., Abrahao, A., Zinman, L., **Green, J.R.** & Yunusova, Y. (2021). Validation of articulatory rate and imprecision judgments in speech of individuals with amyotrophic lateral sclerosis. *American Journal of Speech-Language Pathology*, 30(1), 137-149. PMID: 33290086

50. Rong, P., Usler, E., Rowe, L. M., Allison, K., Woo, J., El Fakhri, G., & **Green, J.R.** (2021). Speech intelligibility loss due to amyotrophic lateral sclerosis: the effect of tongue movement reduction on vowel and consonant acoustic features. *Clinical Linguistics & Phonetics*, 1-22. PMID: 33427505

51. Eshghi, M., Perry, B. J., Richburg, B., Ventresca, H. M., Pomahac, B., & **Green, J.R.** (2021). Neuromotor Speech Recovery Across Different Behavioral Speech Modifications in Individuals Following Facial Transplantation. *Frontiers in Neurology*, 11, 1812. PMID: 33488496

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Abstracts and Proceedings from Peer-Reviewed Conferences

1. Connaghan, K., Burke, K., Mandepudi, S., Hall, S., Carney, K., Richburg, B.D., … & **Green, J.R**. (2024). Designing a remote, longitudinal research program to investigate social disconnection in ALS. In *Proceedings of the 23rd Annual NEALS Meeting, Muscle and Nerve*, 70(1), S1-S92.

2. Bingham, N.I., Roitberg, E.G., Peller, J., Trevisan, M.A., Shalom, D.E., Aguirre, F., … & Berry, J.D. (2024). Machine learning model predicts listener effort in ALS-related dysarthria. In *Proceedings of the 23rd Annual NEALS Meeting, Muscle and Nerve*, 70(1), S1-S92.

3. Tomanek, K., Tobin, J., Venugopalan, S., Cave, R., Seaver, K., **Green, J.R.**, & Heywood, R. (2024). Large Language Models As A Proxy For Human Evaluation In Assessing The Comprehensibility Of Disordered Speech Transcription. In *ICASSP 2024-2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)* (pp. 10846-10850). IEEE.

4. Murton, O.M., Haenssler, A.E., Maffei, M.F., Connaghan, K.P., & **Green, J.R.** (2023).Validation of a Task-Independent Cepstral Peak Prominence Measure with Voice Activity Detection. In Interspeech (Vol. 2023, p. 4993-4997).

5. Tomanek, K., Seaver, K., Jiang, P.P., Cave, R., Harrell, L., & **Green, J.R.** (2023). An analysis of degenerating speech due to progressive dysarthria on ASR performance. In *ICASSP 2023-2023 IEEE International Conference on Acoustics, Speech and Signal Processing* (ICASSP) (pp. 1-5). IEEE.

6. Venugopalan, S., Tobin, J., Yang, S. J., Seaver, K., Cave, R. J., Jiang, P. P., Zeghidour, N., Heywood, R., **Green, J.R.**, & Brenner, M.P. (2023). Speech Intelligibility Classifiers from 550k Disordered Speech Samples. In *ICASSP 2023-2023 IEEE International Conference on Acoustics, Speech and Signal Processing* (ICASSP) (pp. 1-5).

7. Gutz, S., Rowe, H., & **Green, J.R.** (2021). Speaking with a KN95 face mask: ASR performance and speaker compensation. Interspeech 2021, Brno, Czech Republic. *Proc. Interspeech 2021*, 4798-4802.

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9. Venugopalan, S., Shor, J., Plakal, M., Tobin, J., Tomanek, K., **Green, J.R.**, Brenner, M.P. (2021). Comparing supervised models and learned speech representations for classifying intelligibility of disordered speech on selected phrases. *Proc. Interspeech 2021*, 4843-4847.

10. **Green, J.R.**, MacDonald, R., Jiang, P., Cattiau, J., Heywood, R., Cave, R., Seaver, K., Ladewig, M., Tobin, J., Brenner, M., Nelson, P., Tomanek, K. (2021). Automatic Speech Recognition of Disordered Speech: Personalized models outperforming human listeners on short phrases. *Proc. Interspeech 2021*, 4778-4782.

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13. Rowe, H. P., Gutz, S. E., Maffei, M. F., & **Green, J.R.** (2020). Acoustic-Based Articulatory Phenotypes of Amyotrophic Lateral Sclerosis and Parkinson's Disease: Towards an Interpretable, Hypothesis-Driven Framework of Motor Control. *Proc. Interspeech 2020*, 4816-4820.

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17. **Green, J.R.**, Connaghan, K., Yunusova, Y., Stipancic, K., Gutz, S., & Berry, J. (2018). Vocal changes across disease progression in amyotrophic lateral sclerosis (ALS). *The Journal of the Acoustical Society of America*. 144. 1966-1966. DOI: 10.1121/1.5068594

18. Bandini, A., **Green, J.R.**, Taati, B., Orlandi, S., Zinman, L., & Yunusova, Y. (2018, May). Automatic detection of amyotrophic lateral sclerosis (ALS) from video-based analysis of facial movements: speech and non-speech tasks. In *Automatic Face & Gesture Recognition (FG 2018), 2018 13th IEEE International Conference on* (pp. 150-157). IEEE

19. Lee, E., Xing, F., Ahn, S., Reese, T., Wang, R., **Green, J.R.**, ... & 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.

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21. 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.

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24. 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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28. **Green, J.R.**, Wang, J., & Wilson, D. L. (2013). SMASH: A tool for articulatory data processing and analysis, In *Interspeech-2013*, 1331-1335. http://www.isca-speech.org/archive/archive_papers/interspeech_2013/i13_1331.pdf

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32. **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

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39. 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

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42. 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.

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45. 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.

46. 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.

47. Yunusova, Y., **Green, J.R.**, & Mefferd, A. (2006). Spatial characteristics of speech movements in ALS. *Stem-, Spraak- en Taalpathologie*, *14*(Supp.), 75.

48. **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).

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Archival and 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.** (2020). Silent no more: New AI technologies give voice to the voiceless. *The ASHA Leader,* 25(7), 51.

2. **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

3. 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,* 298-330. Wiley Blackwell. ISBN: 978-0-470-65993-9

4. 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

5. **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.

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8. **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.R**., 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.R**., 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
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.** (2019). Future of functional assessment of the head and neck. 2019 iRSM Research Symposium, University of Alberta Institute for Reconstructive Sciences in Medicine, Edmonton, Canada.

2. **Green, J.R.** (2017). Neurological speech disorders: technological advances in diagnosis and assessment. 12th Mediterranean Congress of Physical and Rehabilitation Medicine, Malta.

3. **Green, J.R.**, Le reverend, B., Moser, M., Alder, M., Del Valle, M. & Simione & 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.

4. **Green, J.R.** (2014). Research programs on speech and feeding, University of Toronto, Toronto, Canada.

5. **Green, J.R.** (2013). Effect of food structural properties on infants' and toddlers' mastication abilities, Nestlé Research Center, Lausanne, Switzerland.

6. **Green, J.R.** (2010). Assessing bulbar deterioration in amyotrophic lateral sclerosis, Fudan University, Shanghai, China.

7. **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.** (2022). Clinical Applications of Automatic Speech Recognition: End-to-end is just the beginning. Minifie Lecture Series, Department of Speech and Hearing Sciences, University of Washington, WA.

2. **Green, J.R.** (2019). Medical Speech Analytics: From Senses to Sensors. 2019 Callier Prize Conference, Callier Center for Communication Disorders, University of Texas at Dallas, Dallas, TX.

3. **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.

4. **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.

5. **Green, J.R.** (2015). Assessment and management of speech impairment in ALS. Nuedexta Clinical Trial Workshop, Ritz-Carlton Hotel, Orlando, FL.

6. **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.

7. **Green, J.R.** (2015). Scientific & clinical applications of speech movement analysis, Departmental Colloquium, The Department of Communication Sciences and Disorders, Northeastern University, Massachusetts.

8. **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.

9. **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.

10. **Green, J.R.**, (2012). Emerging perspectives on the development, assessment, and treatment of speech. Callier Center Research Colloquium, Dallas, T.X.

11. **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.

12. 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.

13. 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.
14. **Green, J.R.** (2004). Kinematic methods and new questions in infant vocal development. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.
15. **Green, J.R.** (2003). Panel Member, Neurologic Motor Speech Disorders in Adults, Washington, D.C., sponsored by NIDCD, NIH
16. **Green, J.R.** (2002). Discussant, Symposium on childhood apraxia of speech, Scottsdale, AZ, sponsored by the Hendrix Foundation.
17. **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.** (2019) Speech motor development. Center for Autism Research Excellence (CARE), Boston University, Boston, MA.
2. **Green, J.R.** (2016). Therapy approaches for motor speech disorders. Spaulding Rehabilitation Hospital, Boston, MA.
3. **Green, J.R.**, (2015). Assessment and management of motor speech impairments: Acquired neurologic disorders and diseases. Spaulding Stroke Research and Recovery Institute, Boston, MA.
4. **Green, J.R.** (2015). Early speech development. Department of Orthodontics, Tufts University, Boston, MA.
5. **Green, J.R.** (2015). Scientific & clinical applications of speech movement analysis, Departmental Colloquium, Speech and Hearing Bioscience and Technology (SHBT), Harvard University, Massachusetts.
6. **Green, J.R.**, Wilson, E.M., & Simione, M. (2014). The development of chewing. MGH pediatric dysphasia group, Spaulding Rehabilitation Hospital, Boston, MA.
7. **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.
8. **Green, J.R.** (2010). Investigating the speech production system: Novel approaches and potential clinical applications; Boys Town National Research Hospital, Omaha, NE.
9. **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.
10. **Green, J.R.** (2009). The development of mandibular control for chewing. 2009 Kansas Neonate Oromotor Feeding Symposium, University of Kansas, Lawrence, KS.
11. **Green, J.R.** (2008). Presenter, Studies on early speech development and learning, Psychology Department, University of Nebraska-Lincoln, Lincoln, NE.
12. **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.
13. **Green, J.R.** (2007). The natural history of a federally funded researcher, Merrill Research Retreat, Valley Fall, KS.
14. **Green, J.R.** (2005). The development of orofacial control for speech and feeding, Boys Town National Research Hospital, Omaha, NE.
15. **Green, J.R.** (2004). Motor factors in early speech development, HPER Biomechanics Laboratory, University of Nebraska-Omaha, Omaha, NE.

16. **Green, J.R.** (2002). Physiologic studies of speech and chewing development. Chaos & Complex Systems Seminars, University of Wisconsin-Madison, Madison, WI.
17. **Green, J.R.** (2001). The development of speech and chewing: Physiologic framework. Wisconsin Speech-Language Pathology and Audiology Association 2002 Convention, Milwaukee, WI.
18. **Green, J.R.** (2001). Speech motor development. Psychology Department, University of Wisconsin-Madison, Madison, WI.

Scientific presentations
International

1. Jiang, P. P., Tobin, J., Tomanek, K., MacDonald, R.L., Seaver, K., Cave, R., ... & **Green, J.R**. (2024). Learnings from curating a trustworthy, well-annotated, and useful dataset of disordered English Speech. Interspeech 2024, Kos, Greece.
2. Tomanek, K., Tobin, J., Venugopalan, S., Cave, R., Seaver, K., **Green, J.R.**, & Heywood, R. (2024). Large Language Models As A Proxy For Human Evaluation In Assessing The Comprehensibility Of Disordered Speech Transcription. ICASSP 2024-2024 IEEE International Conference on Acoustics, Speech and Signal Processing, Seoul, South Korea.
3. Moran, E., **Green, J.R.**, Simione, M., Tager-Flusberg, H., & Chenausky, K. (2024). Chewing in Minimally Verbal and Verbal Children with Autism Spectrum Disorder. Feeding Matters 2024 International Pediatric Feeding Disorder Conference, New Orleans, LA.
4. Richter, V., Neumann, M., **Green, J.R.**, Richburg, B.D., Roesler, O., Kothare, H., & Ramanarayanan, V. (2023). Remote Assessment for ALS using Multimodal Dialog Agents: Data Quality, Feasibility, and Task Compliance. Interspeech 2023, Dublin, Ireland.
5. Murton, O., Haenssler, A., Maffei, M., Connaghan, K., & **Green, J.R.** (2023). Validation of a Task-Independent Cepstral Peak Prominence Measure with Voice Activity Detection. Interspeech 2023, Dublin, Ireland.
6. Kothare, H., Neumann, M., Liscombe, J., **Green, J.R.**, Ramanarayanan, V. (2023). Responsiveness, Sensitivity, and Clinical Utility of Timing-Related Speech Biomarkers for Remote Monitoring of ALS Disease Progression. Interspeech 2023, Dublin, Ireland.
7. Venugopalan, S., Tobin, J., Yang, S. J., Seaver, K., Cave, R. J., Jiang, P. P., Zeghidour, N., Heywood, R., **Green, J.R.**, & Brenner, M. P. (2023). Speech Intelligibility Classifiers from 550k Disordered Speech Samples. ICASSP 2023-2023 IEEE International Conference on Acoustics, Speech and Signal Processing, Rhodes, Greece.
8. Maffei, M F., Chenausky, K.V., Tager-Flusberg, H., & **Green, J.R.** (2023). Correlations between Auditory-Perceptual Speech Features and Language Skills in Low and Minimally Verbal Autistic Individuals. INSAR 2023, Stockholm, Sweden
9. Maffei, M.F., Chenausky, K.V., Tager-Flusberg, H., & **Green, J.R.** (2022). Remote markerless facial motion tracking of minimally verbal children with autism spectrum disorder. International Conference on Speech Motor Control, Groningen, The Netherlands.
10. Haenssler, A.E., **Green, J.R.**, Maffei, M.F., Scheier, Z., Clark, A., Burke, K.M., Onnela, J.P., Berry, J.D., & Connaghan, K.P. (2022). Assessing dysarthria severity of remote speech recordings. International Conference on Speech Motor Control, Groningen, The Netherlands.
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12. Neumann, M., Roesler, O., Liscombe, J., Kothare, H., Suenderman-Oeft, D., Pautler, D., Navar, I., Anvar, A., Kumm, J., Norel, R., Fraenkel, E., Sherman, A., Berry, J., Pattee, G., Wang, J., **Green,**

J.R., & Ramanarayanan, V. (2021). Investigating the utility of multimodal conversational technology and audiovisual analytic measures for diagnosis and monitoring of amotrophic lateral sclerosis severity. Interspeech 2021, Brno, Czech Republic.

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19. Rowe, H. P., Gutz, S. E., Maffei, M. F., & **Green, J.R.** (2020). Acoustic-Based Articulatory Phenotypes of Amyotrophic Lateral Sclerosis and Parkinson's Disease: Towards an Interpretable, Hypothesis-Driven Framework of Motor Control. Interspeech 2020, Shanghai, China.

20. 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, Graz, Austria.

21. Gutz, S.E., Wang, J., Yunusova, **Green, J.R.** (2019). Early identification of speech changes due to amyotrophic lateral sclerosis using machine classification. Interspeech 2019, Graz, Austria.

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24. Bandini, A., **Green, J.R.**, Richburg, B.D., & Yunusova, Y. (2018). Automatic detection of orofacial impairment in stroke. Interspeech, Hyderabad, India.

25. An, K., Kim, M., Teplansky, K., **Green, J.R.**, Campbell, T., Yunusova, Y., Heitzman, D., & Wang, J. (2018). Automatic early detection of amyotrophic lateral sclerosis from intelligible speech using convolutional neural networks. Interspeech, Hyderabad, India.

26. 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 a 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.

27. 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 13th IEEE Conference on Automatic Face and Gesture Recognition, Xi'an, China.

28. Yunusova, Y., Bandini, A., **Green, J.R.**, & Zinman, L.(2017). Facial kinematics in the assessment and diagnosis of bulbar ALS. 7th International Conference on Speech Motor Control, Groningen, Netherlands.

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31. **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 camera. 27th International Symposium on ALS/MND, Dublin, Ireland.

32. **Green, J.R.**, Allison, K., Pioro, E., Pattee, G., Smith, R. (2016). The effects of Nuedexta on speech pause time. 27th International Symposium on ALS/MND, Dublin, Ireland.

33. 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, San Francisco, CA.

34. 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.

35. 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.

36. 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.

37. 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.

38. Rong, P., Yunusova, Y., & **Green, J.R.** (2015). Speech intelligibility decline in individuals with fast and slow rates of ALS progression. Interspeech, Dresden, Germany.

39. 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.

40. Rong, P., Yunusova, Y., Berry, J.D., Zinman, L., & **Green, J.R.** (2014). Parameterization of articulatory pattern in ALS, Interspeech, Singapore.

41. Wang, J., Samal, A., & **Green, J.R.** (2014). Across-speaker articulatory normalization for speaker-independent silent speech recognition, Interspeech, Singapore.

42. Yunusova, Y., **Green, J.R.**, Rong, P., Kuruvilla, M.S., Wang, J., Pattee, G., Synhorst, L., & Zinman, L. (2013). Bulbar ALS: Prediction of survival from physiologic measures. 24th International Symposium on ALS/MND, Milan, Italy.

43. 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.

44. 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.

45. **Green, J.R.**, Wang, J., & Wilson, D. L. (2013). SMASH: A tool for articulatory data processing and analysis, Interspeech 2013, Lyon, France.

46. 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.

47. 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.

48. 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.

49. 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.

50. 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.

51. 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.

52. 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.

53. Yunusova, Y., **Green, J.R.**, Zinman, L., & Pattee, G. (2010). Bulbar Function in ALS. Paper presented at the annual meeting of ALS Canada, Toronto, ON.

54. **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.

55. 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.

56. **Green, J.R.**, Phan, L. Nip, I., & Mefferd, A. (2006). A real-time articulatory-controlled vowel synthesizer for research on speech motor learning. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

57. **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, Yokohama, Japan.

58. Hosom, J.P., Shriberg, L., & **Green, J.R.** (2006). The coefficient of variation ratio is determined using automatic speech recognition. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

59. Mefferd, A., & **Green, J.R.** (2006). Formant pattern predictability based on lingual kinematics. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

60. 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. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

61. Venkatesh, L., Moore, C.A., Campbell, T.F., Shriberg, L.D. & **Green, J.R.** (2006). Speech movement characteristics in children with speech delay. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

62. Wang, Y., Kent, R.D., Nip, I., Green, J., & Kent, J.F. (2006). Aerodynamic validation of perceptually-based breath group determination. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

63. Yunusova, Y., **Green, J.R.**, & Mefferd, A. (2006). Spatial characteristics of speech movements in ALS. 5th International Conference on Speech Motor Control, Nijmegen, Netherlands.

64. 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

65. **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).

66. 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.

67. 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.

68. 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
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2. Haenssler, A., Desjardins, A., Green, J., Clark, A., Iyer, A., Burke, K., Berry, J., & Green, J.R. (2024). Evaluation of an ASR system to estimate the intelligibility of speakers with ALS. Annual Convention of the American Speech-Language-Hearing Association, Seattle, WA.

3. Connaghan, K., Burke, K., Mandepudi, S., Hall, S., Carney, K., Richburg, B.D., … & **Green, J.R**. (2024). Designing a remote, longitudinal research program to investigate social disconnection in ALS. 23rd Annual NEALS Meeting, Boston, MA.

4. Bingham, N.I., Roitberg, E.G., Peller, J., Trevisan, M.A., Shalom, D.E., Aguirre, F., … & Berry, J.D. (2024). Machine learning model predicts listener effort in ALS-related dysarthria. 23rd Annual NEALS Meeting, Boston, MA.

5. Pommee, T., Bouvier, L., Simmatis, L., Maffei, M., Gutz, S., Fless, Z., Seaver, K., Abrahao, A., Berry, J., Zinman, L., **Green, J.R.**, & Yunusova, Y. (2024). Construct Validity and Responsiveness of the Amyotrophic Lateral Sclerosis Bulbar Dysfunction Index–Remote (ALSBDI-R). Conference on Motor Speech, San Diego, CA.

6. Maffei, M., Chenausky, K., Tager-Flusberg, H., & **Green, J.R.** (2024). Toward a Speech Motor Control Phenotype in Autism Spectrum Disorder. Conference on Motor Speech, San Diego, CA

7. Maffei, M.F., Chenausky, K.V., Tager-Flusberg, H., & **Green, J.R**. (2024). Toward a Speech Motor Phenotype in Autism Spectrum Disorder. Meeting on Language in Autism, Durham, NC.

8. Tomanek, K., Venugopalan, S., Cave, R., Seaver, K., Heywood, R., & **Green, J.R.** (2023). Large Language Models as a Proxy For Human Evaluation in Assessing the Comprehensibility of Disordered Speech Transcription. AI & HCI Workshop at the 40th International Conference on Machine Learning (ICML), Honolulu, Hawaii.

9. Maffei, M., Chenausky, K., Haenssler, A., Abbiati, C., Tager-Flusberg, H., & **Green, J.R.** (2023). Exploring motor speech disorders in low and minimally verbal autistic individuals: An auditory-perceptual analysis. Meeting on Language in Autism (MoLA), Durham, North Carolina.

10. Maffei, M.F., Tager-Flusberg, H., & Green, J.R. (2023). Instrumental Analysis of Speech Skills in Autism Spectrum Disorder. Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

11. Maffei, M.F., Chenausky, K.V., Haenssler, A.E., Abbiati, C., Tager-Flusberg, H., & Green, J.R. (2022). Exploring Motor Speech Disorders in Minimally Verbal Autistic Individuals: An Auditory-Perceptual Analysis. Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.

12. Murton, O., Connaghan, K., Eshghi, M., Maffei, M., & **Green, J.R.** (2022). When is a voice measure not a voice measure? Platform presentation for the biannual *Conference on Motor Speech*, Charleston, South Carolina.

13. Rowe, H., Lowit, A., Spencer, K.A., & **Green, J.R.** (2022). Exploring the validity and diagnostic utility of acoustic-based articulatory impairment phenotypes in divergent speech motor disorders. Platform presentation for the biannual *Conference on Motor Speech*, Charleston, South Carolina.

14. Maffei, M.F., Chenausky, K.V., Gutz, S.E., Rowe, H.P., Tager-Flusberg, H., & **Green, J.R.** (2022). Correlations Between Perceptual Speech Features and Language in Minimally Verbal Children with Autism Spectrum Disorder. Platform presentation for the biannual Conference on Motor Speech, Charleston, South Carolina.

15. Eshghi, M., **Green, J.R.**, Haenssler, A., Scheier, Z., Keegan,M., Clark, A., Burke, K.M., Berry, J.D., & Connaghan, K.P. (2022). Acoustic Quantification of Respiratory Function in Amyotrophic Lateral Sclerosis. Platform presentation for the biannual Conference on Motor Speech, Charleston, South Carolina.

16. Bouvier, L., Bolowsky, V., Seaver, K., Fleiss, Z., Huynh, A., Maffei, M., Gutz, S., Tapia, C.B., Martino, R., Abrahao, A., Berry, J., Zinman, L., Green, J.D., & Yunusova, Y. (2022). The Amyotrophic Lateral Sclerosis - Bulbar Dysfunction Index (ALS-BDI): Preliminary reliability data for a novel assessment tool. Platform presentation for the biannual Conference on Motor Speech, Charleston, South Carolina.

17. Connaghan, K.P., **Green, J.R.**, Haenssler, A., Scheier, Z., Keegan, M., Clark, A., Burke, K.M., Onnela, J.P., & Berry, J.D. (2022). What can passive smartphone metrics tell us

about communicative participation in ALS? Platform presentation for the biannual *Conference on Motor Speech*, Charleston, South Carolina.

18. Gutz, S., Stipancic, K.L., & **Green, J.R.** (2022). Validity of Commercial Automatic Speech Recognition (ASR) for Assessing Speech Severity and Intelligibility in Individuals with ALS. Platform presentation for the biannual Conference on Motor Speech, Charleston, South Carolina.

19. Rowe, H., Stipancic, K., & **Green, J.R.** (2021). Articulatory Phenotypes of Speech Motor Control: A Perceptual Validation Study. Annual convention of the American Speech-Language-Hearing Association, Washington, DC.

20. Maffei, M. F., **Green, J.R.**, Murton, O., Yunusova, Y., Rowe, H. P., Wehbe, F., ... & Connaghan, K. P. (2021). Acoustic Measures of Phonatory Impairment in Amyotrophic Lateral Sclerosis. Annual Convention of the American Speech-Language-Hearing Association, Washington, DC.

21. Okada, J., **Green, J.R.**, Berry, J.D., Richburg, B.D. & Connaghan, K.P. (2021). The Association of Vowel Acoustics and Communicative Participation of People with ALS. Annual convention of the American Speech-Language-Hearing Association, Washington, DC.

22. Miller, A.J., Connaghan, K.P., **Green, J.R.**, & Stipancic, K.L. (2021). The Development of a Novel Task for Testing Speech Motor Learning. Annual convention of the American Speech-Language-Hearing Association, Washington, DC.

23. Teplansky, K., Wisler, A., Green, J., Heitzman, D., Austin, S., & Wang, J. (2021). Nonlinear Stability Analysis for Early Amyotrophic Lateral Sclerosis. Annual convention of the American Speech-Language-Hearing Association, Washington, DC.

24. Chenausky., K, & **Green, J.R.** (2021). Investigating Severity and Intelligibility in CAS. Apraxia Kids National Conference 2021, Virtual.

25. Maffei, M.F., Chenausky, K., Tager-Flusberg, H., & **Green, J.R.** (2021). Methods for kinematic and acoustic analysis of speech in autism spectrum disorder: proposed methodology. Boston Speech Motor Control Symposium, Boston, MA.

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

27. Eshghi, M., Connaghan, K., Perry, B., Maffei, M., Yunusova, Y., Berry., J.D., & **Green, J.R.** (2021). Rate of decline in speaking rate and intelligibility in amyotrophic lateral sclerosis: A longitudinal study. 2021 Boston Speech Motor Control Symposium, Boston, USA.

28. Stipancic, K.L, Kuo, Y., Miller, A., Ventresca, H.M., Sternad, D., Kimberley, T.J., **Green, J.R.** (2021). The effects of sustained oromotor activity for speech motor performance: Speech biomechanics and neurophysiologic correlates. 2021 Boston Speech Motor Control Symposium, Boston, USA.

29. Eshghi, M., Riphagen, J., **Green, J.R.**, & Salat, D.H. (2021). Distinct association between white matter hyperintensity load and cortical thickness in speech motor regions of individuals with Alzheimer's Disease. Alzheimer's Association International Conference, Denver, USA.

30. Eshghi, M., Salat, D., Cordella, C., Gutz, S., Ventresca, H., **Green, J.R.** (2020). Age-related changes in oromotor function and speech production. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

31. Eshghi, M., Perry, B., Stipancic, K. L., Richburg, B. D., Ventresca, H., Pomahac, B., & **Green, J.R.** (2020). Neuromotor speech recovery across different speaking modes in individuals following facial transplantation. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

32. Cai, S., Richburg, B.D., Maffei, M., Alvarado, I., Cattiau, J., Seaver, K. **Green, J.R.**, & Brenner, M. (2020). Recognition Of Short Utterances From A Closed Set Produced By Dysarthric Speakers Using A Deep Convolutional Network. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

33. Rowe, H. & **Green, J.R.** (2020). Acoustic Profiles of Speech Motor Control: Towards a Differential Diagnosis of Dysarthria Subtypes. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

34. Usler, E., Richburg, B.D., & **Green, J.R.** (2020). Development of Intermuscular Coherence between Mandibular Muscles in Young Children. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

35. Gutz, S. & **Green, J.R.** (2020). Feedback from automatic speech recognition software to induce clear speech. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

36. Tanchip, C., Yunusova, Y., Waito, A., Cui, C., Guarin, D., & **Green, J.R.** (2020). A Complexity-Based Approach for Automatic Diadochokinesis Analysis in Amyotrophic Lateral Sclerosis (ALS). 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

37. Connaghan, K., Gutz, S., Eshghi, M., Nicholson, K., Yunusova, Y., Onnela, J.P., Berry, J., & **Green, J.R.** (2020). Effects of Task Repetition on Acoustic Measures of Speech Produced by Persons with Amyotrophic Lateral Sclerosis. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

38. Wisler, A., Teplansky, K., **Green, J.R.**, Yunusova, Y., Campbell, T., Heitzman, D., & Wang, J. (2020). Analyzing Residuals of Machine Learning based ALS-FRS Speech Score Predications 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

39. Wisler, A., Teplansky, K., **Green, J.R.**, Yunusova, Y., Campbell, T., Heitzman, D., & Wang, J. (2020). ALS detection based on onset using correlation structural features from kinematic measurements. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

40. Cordella, C., Eshghi, M., Getchell, K., Dickerson, B., & **Green, J.R.** (2020). Comparative diagnostic accuracy of acoustic and kinematic measures for identifying motor speech impairment in primary progressive aphasia. 2020 Motor Speech Conference, Santa Barbara, CA, February 20-23.

41. Yunusova, Y., Waito, A., Barnett, C., Martino, R., Abrahao, A., Zinman, L., & **Green, J.R.** (2020). A Novel ALS Index of Bulbar Dysfunction (ALS-IBD): Establishing Face and Content Validity. 2020 Motor Speech Conference, Santa Barbara, CA, USA, February 20-23.

42. Perry, B.J., Stipancic, K., Richburg, B.D., & **Green, J.R.** (2019). Longitudinal recovery of speech motor function following facial transplantation. Translational Science 2019, Washington, DC.

43. Cordella, C., Eshghi, M., Getchell, K., Stipancic, K., Dickerson, B., & **Green, J.R.** (2019). Acoustic and kinematic assessment of motor speech impairment in patients with suspected 4-repeat tauopathies: A pilot study. Boston Speech Motor Control Symposium, Boston MA.

44. Stipancic, K. L., Yunusova, Y., Campbell, T. F., Wang, J., Berry, J. D., & **Green, J.R.** (2019). Robust talkers: Natural compensation for impaired speech motor control in a cohort of individuals with ALS. Boston Speech Motor Control Symposium, Boston MA.

45. Rowe, H.P., Stipancic, K., Esghi, M., & **Green, J.R.** (2019). Speech motor impairment profiling based on acoustic features. Boston Speech Motor Control Symposium, Boston MA.

46. Perry, B.J., Martino, R., Plowman, E., Stipancic, K., Sullivan, S., Berry, J., & **Green, J.R.** (2018). The relation between Lingual Biomechanics during Swallowing and Swallowing Function in persons diagnosed with ALS. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

47. Rong, P., & **Green, J.R.** (2018). Early Stratification of Fast & Slow Progressors of Bulbar ALS Based on a Diadochokinetic Task. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

48. Stipancic, K., Yunusova, Y., & **Green, J.R.** (2018). Robust Talkers: Natural Compensation for Impaired Speech Motor Control in Individuals with ALS. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

49. Usler, E., Wei, X., Simone, M., Richburg, B.D., & **Green, J.R.** (2018). Modulation of Intermuscular Beta Coherence in Different Rhythmic Mandibular Behaviors. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

50. Allison, K., & **Green, J.R.** (2018). Effect of Prosodic Manipulation on Vowel Distinctiveness in Children. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

51. Mancini, A., Stipancic, K., Richburg, B.D., & **Green, J.R.** (2018) Evaluation of Post-Stroke Facial Asymmetry Using 3D Depth-Sensing Facial Motion Tracking. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

52. Hustad, K., & **Green, J.R.** (2018). Motor Speech Disorders in Children & Adults: Lessons from Development and Degeneration. Annual convention of the American Speech-Language-Hearing Association, Boston, MA.

53. 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, Savanah, GA.

54. 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, Savanah, GA.

55. Allison, K., Yunusova, Y., & **Green, J.R.** (2018). Effect of sentence length on intelligibility and speech motor performance in ALS. 2018 Motor Speech Conference, Savanah, GA.

56. Cordella, C., 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, Savanah, GA.

57. Lee, E., Xing, F., Ahn, S., Reese, T., Wang, R., **Green, J.R.**, ... & 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,

58. 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.

59. 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.

60. 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.

61. 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.

62. 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.

63. 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.

64. **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.

65. 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.

66. 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.

67. Karpinksi, L., Simione, 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.

68. Allison, K., Yunusova, Y., Wang, J., **Green, J.R.** (2016). Annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.

69. Simione, 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.

70. 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.

71. 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.

72. 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.

73. 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.

74. Simione, 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.

75. Sorbo, J.L., Simione, 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.

76. 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.

77. 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.

78. 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.

79. Perry, B., **Green, J.R.**, Bueno, E., & Pomohac, 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.

80. 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.

81. 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.

82. Simione, 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.

83. 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.

84. 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.

85. Rong, P., **Green, J.R.**, & Yunusova, Y. (2014). Predicting bulbar motor involvement due to ALS: A data-mining approach. Motor Speech Conference, Sarasota, FL.

86. 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.

87. Wang, J., Green, J.R, & Samal, A. (2014). A real-time, interactive silent speech interface based on electromagnetic articulograph, Motor Speech Conference, Sarasota, FL.

88. 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.

89. 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.

90. 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.

91. Shellikeri, S., Yunusova, Y., **Green, J.R.**, 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.

92. 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.

93. **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.

94. **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.

95. 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.

96. 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.

97. 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.

98. 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.

99. 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.

100. 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.

101. 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.

102. 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.

103. 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.

104. 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.

105. 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.

106. 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.

107. 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.

108. Mefferd, A.M., & **Green, J.R.** (2010). Rate-dependent coordinative flexibility of lower lip & jaw in ALS. Motor Speech Conference, Savannah, GA.

109. Nip, I.S.B., & **Green, J.R.** (2010). Developmental changes in speech movement stability: Task effects. Motor Speech Conference, Savannah, GA.

110. 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.

111. 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.

112. 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.

113. 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.

114. 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.

115. 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.

116. 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.

117. 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.

118. Yunusova, Y., **Green, J.R.**, Ball, L.J., & Pattee, G. (2008). Acoustics of bulbar deterioration in ALS. Conference on Motor Speech, Monterey, CA.

119. Nip, I.S.B., & **Green, J.R.** (2008). Articulatory Speed from 9 to 21 Months. Conference on Motor Speech, Monterey, CA.

120. **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.

121. 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.

122. 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.

123. 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.

124. 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.

125. 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.

126. 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.

127. 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.

128. 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.

129. Mefferd, A., & **Green, J.R.** (2006). The predictability of formant patterns based on lingual kinematics. Conference on Motor Speech, Austin, TX.

130. Nip, I., & **Green, J.R.** (2006). Development of speaking rate: A kinematic perspective. Conference on Motor Speech, Austin, TX.

131. 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.

132. 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.

133. 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.

134. 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.

135. 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.

136. 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.

137. 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.

138. **Green, J.R.**, Beukelman, D.R., & Ball, L. J. (2004). Algorithmic estimation of pauses in extended speech samples. Conference on Motor Speech, Albuquerque, NM.

139. 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.

140. 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.

141. 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.

142. Wilson, E.M. & **Green, J.R.** (2004). Kinematic description of chewing development. Annual meeting of the American Speech-Language Hearing Association, Philadelphia, PA.

143. Wilson, E.M. & **Green, J.R.** (2003). Kinematic description of chewing development, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.

144. **Green, J.R.**, & Weismer, G. (2003). Acoustic consequences of articulatory strategy, Annual meeting of the American Speech-Language Hearing Association, Chicago, Ill.

145. Patel, R. & **Green, J.R.** (2002). Orofacial coordination in Möbius syndrome. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.

146. Wilson, E.M. & **Green, J.R.** (2002). Lingual coordination during swallowing. Annual meeting of the American Speech-Language Hearing Association, Atlanta, GA.

147. **Green, J.R.** & Wilson, E. (2002). A kinematic description of oromotor behaviors during the first year of life. Conference on Motor Speech, Williamsburg, VA.

148. **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.

149. **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.

150. **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.

151. **Green, J.R.**, Moore, C.A., & Reilly, K.J. (2000). The asynchronous development of articulatory control. Conference on Motor Speech, San Antonio, TX.

152. 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.

153. 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.

154. 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.

155. 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.

156. 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.

157. **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.

158. 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.

159. 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.

160. **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.

161. 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.

162. **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.

163. **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., Rodriquez, 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.

National Media Coverage

1. 1.You say mild, I say mild, WE ALL SAY MILD!, The Informed SLP: Evidence You Can Use. Review. Posted December 2021. https://www.theinformedslp.com/review/you-say-mild-i-say-mild-we-all-say-mild
2. How AI helps some people with disabilities communicate, NPR Marketplace. Posted Jan 2nd, 2024. https://www.marketplace.org/2024/01/02/how-ai-helps-some-people-with-disabilities-communicate/
3. CSD 2.0: How Artificial Intelligence Could Change the Way We Work. ASHA LeaderLIVE. Posted Sept 16, 2023. https://leader.pubs.asha.org/do/10.1044/leader.FTR1.28092023.AI-ASHA2023-aud-slp.40
4. Advances in ALS: Unraveling Its Causes and Finding Treatments, NIH News in Health, Posted May 2023. https://newsinhealth.nih.gov/2023/05/advances-als
5. Designing an app to diagnose ALS, News Medical Life Sciences. Posted Aug 4th, 2022. https://www.news-medical.net/news/20220804/Designing-an-app-to-diagnose-ALS.aspx
6. An app to monitor ALS progression, Aired live on WBUR radio on 07/20/202210
7. NIH $2.3M Grant to Test App to Diagnose, Monitor ALS at Home. ALS News Today. Posted July 26th, 2022. https://alsnewstoday.com/news/nih-grant-test-app-diagnose-monitor-als-at-home/
8. **Green, J.R.** (2020). Silent no more: New AI technologies give voice to the voiceless. The ASHA Leader, 25(7), 51.

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. Danielle Gagne (2020). Investigating the relationship between severity and intelligibility in childhood apraxia of speech
2. Noor Zaghlula (2019). Intermuscular coherence in a rapid syllable repetition task as a marker of disease progression in individuals with ALS
3. Kira Marie Palmer (2019). Towards an empirical classification of dysarthria severity
4. Karpinski, L., J. (2016). The effects of transcranial direct current stimulation on speech motor learning, MGH Institute of Health Professions, Boston, MA.
5. Sorbo, J. (2015). Developmental changes of jaw movement pattern stability during chewing, MGH Institute of Health Professions, Boston, MA.
6. 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
1. SHBT Harvard: 4 students (PhD Advisor or Co-Advisor), 2 students (Chair of PhD Committee), 5 students (Dissertation Advisory Committee Member)
2. MGH IHP: 6 students (PhD Advisor or Co-Advisor), 3 students (Chair of PhD Committee), 3 students (Committee Member)
3. Boston University: 1 student (Committee Member)
4. UNL: 6 students (PhD Advisor), 12 students (Committee Member)
5. UW-Madison: 1 student (PhD Advisor or Co-Advisor, 9 students (Committee Member)

Students' Dissertations when serving as Primary or Co-Advisor
1. Wilson, E.M. (2005). Kinematic description of chewing development, University of Wisconsin-Madison.
2. Nip, I.S.B. (2007). Early speech motor development: the influences of cognitive and linguistic factors, University of Nebraska-Lincoln.
3. Mefferd, A.S. (2008). Rate-dependent articulatory performance changes in talkers with amyotrophic lateral sclerosis, University of Nebraska-Lincoln.
4. Wang, J. (2011). Silent speech recognition from articulatory motion
5. Thomas, A. (2013). Word learning effects on speech motor performance in children with childhood apraxia of speech. University of Nebraska-Lincoln.
6. Howitz-Martin, R. (2017). Acoustic features of impaired articulation due to amyotrophic lateral sclerosis, Harvard-MIT
7. Simione, M. (2017). Oral Sensorimotor Integration: Task-dependent Effects of Mandibular Performance to Whole-Head Vibration and Transcranial Direct Current Stimulation. MGH Institute of Health Professions.
8. Perry, B. (2018). The Evaluation and Treatment of Neurologically-Based Oral Motor Impairment using Biomechanical Approaches. MGH Institute of Health Professions.
9. Cordella, C. (2019). Quantitative assessment of motor speech impairment in primary progressive aphasia. Harvard University, SHBT.
10. Stipancic, K. (2020). Multidisciplinary Perspectives on Motor Speech Assessment and Intervention. MGH Institute of Health Professions.
11. Rowe, H. (2022). Developing a Framework of Quantitative Measures to Characterize Articulatory Phenotypes. MGH Institute of Health Professions.
12. Gutz, S. (2022). Automatic Speech Recognition as a Clinical Tool: Implications for Speech Assessment and Intervention. Harvard University, SHBT.
13. Maffei, M. (2023). Speech Motor Functioning in Autism Spectrum Disorder. MGH Institute of Health Professions.

Postdoctoral Fellows
Yunusova, Y. (2005-2006), Kuruvilla, M. (2008-2011), Wang, J. (2012), Iuzzini, J. (2012 - 2015), Rong, P. (2012- 2016), Allison, K. (2015-2017), Wei, X. (2016-2017), Usler, E. (2017-2019); Wilson, E. (2016-2018), Zaninotto, A. (2018-2021), Eshghi, M. (2018-2021), Chenausky, K. (2018-2021), Murton, O. (2021-2023), Haenssler, A. (2021-Present)

External Examiner of Doctoral Dissertations (International)
> Cheng, H.A. (2006). A physiologic investigation of speech motor development, The University of Queensland, Australia.

HONORS

2013-present	Distinguished Chair in Rehabilitation Sciences, Matina Souretis Horner Professorship, MGH IHP
2024	Honors of the Association, American Speech-Language-Hearing Association
2021	Excellence in Mentoring Award, MGH IHP
2020	Distinguished Alumni Award, University of Washington, Speech and Hearing Sciences
2017	MGH IHP Faculty Award for Excellence in Research
2014	Willard R. Zemlin Memorial Lecture Award, American Speech-Language-Hearing Association
2011	Fellow of the American Speech-Language-Hearing Association
2003 - 2013	Distinguished Chair in Communication Disorders, University of Nebraska-Lincoln
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

Mentee presentation awards

2020	Hannah Rowe, Outstanding Student Presentation Award, presented at the 2020 International Seminar on Speech Production (ISSP), Providence, RI
2019	Hannah Rowe, First prize poster award, poster presented at the 2019 Boston Speech Motor Control Symposium, Boston, MA
2018	Kaila Stipancic, First prize, student research award, poster presented at the 2018 Motor Speech Conference, Savannah, GA
2017	Panying Rong, First Prize, poster presented at the 7th International Conference on Speech Motor Control, Groningen, Netherlands[
2006	Antje Mefferd, First Prize, poster presented at the 5th International Conference on Speech Motor Control, Nijmegen, Netherlands;

PROFESSIONAL ACTIVITIES

Editorial Consultant
American Journal of Speech-Language Pathology (AJSLP)
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 Phoniatrica et Logopaedica

Frontiers in Human Neuroscience
International Journal of Language & Communication Disorders
IEEE Open Journal of Engineering in Medicine and Biology
Journal of Acoustical Society of America (JASA)
Journal of Communication Disorders
Journal of Neurophysiology
Journal of Oral Rehabilitation
Journal of Speech, Language, and Hearing Research (JSLHR)
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
2025: NIH, National Institute on Deafness and Other Communication Disorder (NIDCD);
2020: NIH Center for Scientific Review, MFSR
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
2024 - 2011: Co-Chair, Biannual Conference on Motor Speech
2023: Chair, ASHA's 2023 Research Symposium, Artificial Intelligence in Communication Sciences & Disorders
2021: Session Co-Chair on Speech Recognition on Atypical Speech, Interspeech 2021(canceled due to COVID)
2020: Invitation to serve as a panelist for ASHA 2020 Research - Researcher-Academic Town Meeting, ASHA conference (canceled due to COVID)
2020: Co-Chair, ASHA's 2020 Research Symposium, Advances in Speech Research and Brain-Computer Interface Technology for Individuals with Communication Disorders (canceled due to COVID)
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
2023: Jury member, Hyperloop 2023 Pitching/Feedback Session, Innovation Centre Denmark, Boston Consulate of Denmark

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

2016-2017: Committee member, MGH IHP Communication Sciences and Disorders Department Chair Search Committee

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)