

CLAIRE E. CORDELLA

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EDUCATION

- Harvard University**, Cambridge, MA 2013 – 2019
Division of Medical Sciences
Ph.D., Speech and Hearing Bioscience and Technology
- MGH Institute of Health Professions**, Boston, MA 2014 – 2016
Department of Communication Sciences and Disorders
Clinical coursework in Speech-Language Pathology
- Cornell University**, Ithaca, NY 2008 – 2012
College of Arts and Sciences
B.A., Linguistics, *summa cum laude*, distinction in all subjects

RESEARCH EXPERIENCE

- Postdoctoral Associate** Oct. 2020 –
Boston University, Boston, MA
Aphasia Research Laboratory
PI: Dr. Swathi Kiran
- Postdoctoral Research Fellow** Apr. 2019 – Sept. 2020
Massachusetts General Hospital, Boston, MA
Dickerson Neuroimaging Laboratory
PI: Dr. Bradford Dickerson
- Ph.D. Dissertation Research** Jan. 2015 – Jan. 2019
MGH Institute of Health Professions, Boston, MA
Speech and Feeding Disorders Laboratory
PI: Dr. Jordan Green
- Project Manager** June 2012 – Aug. 2013
Cornell University, Ithaca, NY
Cornell Language Acquisition Laboratory
Aging and Alzheimer's Language Project
PI: Dr. Barbara Lust
- Staff Research Assistant** Mar. 2011 – July 2013
NovaSpech LLC, Ithaca, NY
PI: Dr. Susan Hertz
- Undergraduate Research Assistant** Sept. 2009 – May 2012
Cornell University, Ithaca, NY
Cornell Language Acquisition Laboratory
PI: Dr. Barbara Lust

OTHER WORK EXPERIENCE

Speech Pathology Clinical Fellow Massachusetts General Hospital, Boston, MA Frontotemporal Disorders Unit & Memory Disorders Clinic	Feb. 2017 – Mar. 2019
Graduate Student Clinician MGH Institute of Health Professions, Boston, MA Aphasia Center	May 2016 – Aug. 2016
Graduate Student Clinician Massachusetts General Hospital, Boston, MA Outpatient Adult Speech, Language and Cognition Service	Jan. 2016 – May 2016
ESOL Classroom Assistant (Volunteer) Massachusetts General Hospital, Boston, MA Jewish Vocational Services	Feb. 2014 – Feb. 2015

AWARDS & HONORS

Raymond H. Stetson Scholarship in Phonetics and Speech Production Acoustical Society of America	2017
Student Research Travel Award American Speech-Language-Hearing Foundation	2017
New Century Scholars Doctoral Scholarship American Speech-Language-Hearing Foundation	2016
Research Mentoring-Pair Travel Award (with Dr. Jordan Green) American Speech-Language-Hearing Association	2015
Degree Marshal Cornell University, College of Arts and Sciences <i>Two graduating seniors with the highest GPAs</i>	2012
Merrill Presidential Scholar Cornell University, College of Arts and Sciences <i>Top 1% of seniors in each undergraduate college</i>	2012
Phi Beta Kappa Cornell University, College of Arts and Sciences <i>Top 3% of juniors</i>	2011 – 2012
Irving S. Behr, M.D., '35 Scholarship Cornell University, College of Arts and Sciences <i>High academic achievement, financial need</i>	2009 – 2012
Gertrude Spencer Portfolio Award Cornell University <i>Best writing portfolio in a Freshman Writing Seminar</i>	2008

GRANT SUPPORT

NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (F31) , 2016 – 2018 F31DC015703: "Mechanisms of apraxia of speech in primary progressive aphasia" PI: Claire E. Cordella; Sponsor: Dr. Jordan R. Green
NIH Ruth L. Kirschstein Institutional National Research Service Award (T32) , 2013 – 2016 Harvard Program in Speech and Hearing Bioscience and Technology T32 DC0000-38 (Trainee)

PUBLICATIONS

Allison, K., **Cordella, C.**, Iuzzini-Seigel, J. & Green, J.R. (*in press*). Differential diagnosis of apraxia of speech in children and adults: A scoping review. *Journal of Speech, Language, and Hearing Research*.

Cordella, C., Quimby, M., Touroutoglou, A., Brickhouse, M.J., Dickerson, B.C. & Green, J.R. (2019). Quantification of motor speech impairment and its anatomic basis in primary progressive aphasia. *Neurology*, 92(17) e1992-e2004.

Green, J.R., Allison, K.M., **Cordella, C.**, Richburg, B.D., Pattee, G.L., Berry, J.D., Macklin, E.A., Piro, E.P. & Smith, R.A. (2018). Additional evidence for a therapeutic effect of dextromethorphan/quinidine on bulbar motor function in persons with ALS: A quantitative speech analysis. *British Journal of Clinical Pharmacology*, 84(12):2849-2856.

Cordella, C., Dickerson, B. C., Quimby, M., Yunusova, Y., & Green, J. R. (2017). Slowed articulation rate is a sensitive diagnostic marker for identifying non-fluent primary progressive aphasia. *Aphasiology*, 31(2), 241-260.

Lust, B., Flynn, S., Sherman, J. C., Gair, J., Henderson, C. R., **Cordella, C.**, Whitlock, J., Mancuso, S., Chen, Z., Costigan, A., & Immerman, A. (2015). Reversing Ribot: Does regression hold in language of prodromal Alzheimer's disease? *Brain and Language*, 143: 1-10.

CONFERENCE PRESENTATIONS

Cordella, C., Eshghi, M., Getchell, K., Dickerson, B. & Green, J. (2020). Comparative diagnostic accuracy for identifying motor speech impairment in primary progressive aphasia. Paper presented at: Conference on Motor Speech, Santa Barbara, CA, USA.

Eshghi, M., Salat, D., **Cordella, C.**, Gutz, S., Ventresca, H. & Green, J. (2020). Age-related changes in oromotor function and speech production. Poster presented at: Conference on Motor Speech, Santa Barbara, CA, USA.

Cordella, C., Stipancic, K., Schliep, M., Dickerson, B., & Green, J. (2019). Clinical utility of semi-standardized motor speech assessments in patients with suspected 4-repeat tauopathies. Paper presented at: American Speech-Language-Hearing Association Annual Convention, Orlando, FL, USA.

Cordella, C., Quimby, M., Brickhouse, M., Dickerson, B., & Green, J. (2018). Neural correlates of longitudinal changes in articulation rate across subtypes of primary progressive aphasia. Poster presented at: Conference on Motor Speech, Savannah, GA, USA.

Allison, K., **Cordella, C.**, Iuzzini-Seigel, J., & Green, J. (2017). Diagnosing Apraxia: A systematic review of recent literature on differential diagnosis of AOS & CAS. Seminar given at: American Speech-Language-Hearing Association Annual Convention, Los Angeles, CA, USA.

Cordella, C., Quimby, M., Dickerson, B., & Green, J. (2017). Longitudinal changes in quantitative rate measures across three variants of primary progressive aphasia. Paper presented at: American Speech-Language-Hearing Association Annual Convention, Los Angeles, CA, USA.

Cordella, C., Quimby, M., Grimm, M., Dickerson, B., & Green, J. (2017). Quantitative rate measures as a function of severity across three subtypes of primary progressive aphasia. Paper presented at: Clinical Aphasiology Conference, Snowbird, UT, USA.

Cordella, C., Caso, C., Dickerson, B., & Green, J. (2016). Anatomic correlates to a quantitative fluency measure in primary progressive aphasia. Poster presented at: Conference on Motor Speech, Newport Beach, CA, USA.

Cordella, C., Dickerson, B., Quimby, M., Yunusova, Y., & Green, J. (2015). Fluency-based measures for subtyping of patients with primary progressive aphasia. Paper presented at: American Speech-Language-Hearing Association Annual Convention, Denver, CO, USA.

Cordella, C., Cohen Sherman, J., Flynn, S., Tilsen, S., Gair, J., Henderson, C. & Lust, B. (2015). Atypical temporal patterns distinguish speech in prodromal Alzheimer's disease and healthy aging. Poster presented at: Association for Psychological Science Annual Meeting, New York, NY, USA.

Lust, B., Cohen Sherman, J., Flynn, S., Gair, J., **Cordella, C.**, Henderson, C., Behrendt, J., Gutz, S., Whitmore, S. & Ramkumar, N. (2014). Three-word bricolage: A new task distinguished Mild Cognitive Impairment from healthy aging. Poster presented at: International Neuropsychological Society Annual Meeting, Seattle, WA, USA.

Sherman, J.C., Flynn, S., Whitlock, J., **Cordella, C.**, Henderson, C., Costigan, A., Gair, J. & Lust, B. (2013). New language tests reveal neuropsychological deficit in syntactic-semantic integration in amnesic Mild Cognitive Impairment (MCI). Poster presented at: American Academy of Clinical Neuropsychology Annual Conference, Chicago, IL, USA.

Flynn, S., Sherman, J.C., Whitlock, J., **Cordella, C.**, Henderson, C., Chen, Z., Costigan, A., Gair, J. & Lust, B. (2013). The Regression Hypothesis revisited: New experimental results comparing child and dementia populations refute its predictions. Paper presented at: Linguistic Society of America Annual Meeting, Boston, MA, USA.

Whitlock, J., Sherman, J.C., Flynn, S., Henderson, C., Costigan, A., **Cordella, C.**, Mancuso, S., Gair, J. & Lust, B. (2012). Linguistic measures in neuropsychological testing of MCI: Assessing language components of the Addenbrooke's Cognitive Examination - Revised (ACE-R). Poster presented at: Alzheimer's Association International Conference, Vancouver, BC, CA.

TEACHING EXPERIENCE

Instructor MGH Institute of Health Professions, Boston, MA <i>Neuromotor Speech Disorders</i> - CD833 (online)	Summer 2020
Teaching Assistant MGH Institute of Health Professions, Boston, MA <i>Neuromotor Speech Disorders</i> - CD833	Summer 2016
Guest Lecturer Northeastern University, Boston, MA <i>Motor Speech Disorders</i> – SLPA 6321 (online) "Apraxia of speech: Treatment approaches"	Spring 2020
MGH Institute of Health Professions, Boston, MA <i>Neuromotor Speech Disorders</i> – CD833 "Apraxia of speech"	Summer 2018
Cornell University, Ithaca, NY <i>Introduction to Linguistics</i> – LING101 "Career opportunities for Linguistics majors"	Spring 2013

PROFESSIONAL LICENSURE & SERVICE

Licensed Speech-Language Pathologist, State of Massachusetts (License #77186)
Certificate of Clinical Competence (CCC-SLP), American Speech-Language-Hearing Association (ASHA)
Reviewer, *NeuroImage: Clinical, Cortex*, ASHA Convention Abstract Review Committee

SKILLS & KNOWLEDGE

Software: R; LaTeX; citation management tools (EndNote, Zotero, Mendeley)

Languages: Italian (intermediate); French (basic); Levantine Arabic (basic)