

Dr. Shalom K. Henderson, PhD, CCC-SLP

Postdoctoral Associate, Gates Cambridge Alumna, Speech-Language Pathologist

ACADEMIC EMPLOYMENT

2025 – **POSTDOCTORAL ASSOCIATE**
Center for Brain Recovery, Boston University, Boston, MA, USA (PI: Dr. Swathi Kiran)

EDUCATION

2020 – 2024 **UNIVERSITY OF CAMBRIDGE**, Cambridge, UK
PhD in medical science (Supervisors: Professors Matt Lambon Ralph and James Rowe)

2016 – 2018 **MGH INSTITUTE OF HEALTH PROFESSIONS**, Charlestown, MA, USA
MS in speech language pathology

2015 – 2016 **COLUMBIA UNIVERSITY**, New York, NY, USA
Postbaccalaureate in psychology

2013 – 2014 **HARVARD UNIVERSITY**, Cambridge, MA, USA
Special student in linguistics

2006 – 2009 **NORTHEASTERN UNIVERSITY**, Boston, MA, USA
BA in English with biology minor (cum laude)

SCHOLARSHIPS

2020 – 2025 **GATES CAMBRIDGE SCHOLARSHIP**
Gates Cambridge Trust ([profile link](#))
Full funding and stipend for PhD in medical science (2020 – 2024)

2016 – 2018 **THE CHRISTOPHER NORMAN EDUCATIONAL FUND**
MGH Institute of Health Professions
Funding for master's thesis project

AWARDS AND HONORS

2025, May **NIDCD Research Symposium Clinical Aphasiology Fellowship**
Clinical Aphasiology Conference (CAC): Fellowship awarded by the National Institute on Deafness and Other Communication Disorders (NIDCD) supporting the Research Symposium in Clinical Aphasiology in Albuquerque, New Mexico

2024, April **Clinical PhD Prize**
Clinical Academic Trainees' Annual Symposium: Prize received for best data blitz presentation amongst clinical PhD presenters at Selwyn College, Cambridge University

2023, Sept **Rising Research Star Prize**
British Aphasiology Society (BAS) Internal Conference: Prize received at the BAS International Conference in Queens Square, London

2023, July **Best Student Poster Award**
Alzheimer's Association International Conference: Award presented by the atypical Alzheimer's disease Professional Interest Area committee for best student poster in Amsterdam, Netherlands

- 2022, Nov **Humphreys and Riddoch Prize**
British Neuropsychological Society (BNS): Prize named in honor of Professor Glyn Humphreys (1954 – 2016) and Professor Jane Riddoch and awarded to the best presenter at the BNS autumn meeting/conference in Queens Square, London
- 2018, May **Kenneth N. Stevens Student Research Award**
MGH Institute of Health Professions: Award presented at the graduation ceremony at Partners Healthcare in Charlestown, MA, to a single graduating student for superior performance in conducting research that produces new knowledge about typical or disordered human communication

PUBLICATIONS

- Henderson, S. K.**, Murley, A., Cope, T. E., Bowns, L., Malpetti, M., Patterson, K. E., Rowe, J. B.[†], & Lambon Ralph, M. A.[†] (2025). Multidimensional cognitive deficits in the typical and atypical variants of Alzheimer's disease. [Under review].
<https://www.medrxiv.org/content/10.1101/2025.03.04.25323342v1>
- Henderson, S. K.**, Halai, A., Tsvetanov, K. A., Cope, T. E., Patterson, K. E., Rowe, J. B.[†], & Lambon Ralph, M. A.[†] (2025). Disentangling phonology from phonological short-term memory in Alzheimer's disease phenotypes. [Under review].
<https://www.medrxiv.org/content/10.1101/2025.01.07.25320125v1>
- Ramanan, S., Akarca, D., **Henderson, S. K.**, Rouse, M., Allinson, K., Patterson, K., Rowe, J., & Lambon Ralph M. A. (2025). Mapping the multidimensional geometric landscape of graded phenotypic variation and progression in neurodegenerative syndromes. *Brain*, 148(2), awae233.
<https://doi.org/10.1093/brain/awae233>
- Henderson, S. K.**, Ramanan, S., Rouse, M. A., Cope, T. E., Halai, A. D., Patterson, K. E., Rowe, J. B.[†], & Lambon Ralph, M. A.[†] (2024). Impaired semantic control in the logopenic variant of primary progressive aphasia. *Brain Communications*, 7(1), fcae463.
<https://doi.org/10.1093/braincomms/fcae463>
- Henderson, S. K.**, Ramanan, S., Patterson, K. E., Garrard, P., Patel, N., Peterson, K., Halai, A., Cappa, S., Rowe, J. B.[†], & Lambon Ralph, M. A.[†] (2024). Lexical markers of differentially disordered speech in progressive aphasia. *Brain Communications*, 6(6), fcae433.
<https://doi.org/10.1093/braincomms/fcae433>
- Henderson, S. K.**, Lambon Ralph, M. A., Jones, P. S., Naessens, M., Cope, T. E., Whiteside, D. J., Bouzigues, A., Russell, L. L., Foster, P. H., Ferry-Bolder, E., van Swieten, J., Jiskoot, L., Seelaar, H., Sanchez-Valle, R., Galimberti, D., Synofzik, M., Borroni, B., Rohrer, J. D., GENetic Frontotemporal dementia Initiative (GENFI), Rowe, J. B.[†] & Patterson, K. E.[†] (2024). Genetic semantic dementia? Twins' data and review of autosomal dominant cases. [Under review].
<https://www.medrxiv.org/content/10.1101/2024.10.18.24313757v1>
- Volkmer, A., [...], **Henderson, S. K.**, [...], et al. (2024). An international core outcome set for primary progressive aphasia (COS-PPA): Consensus-based recommendations for communication interventions across research and clinical settings. *Alzheimer's Dement*, 1-24.
<https://doi.org/10.1002/alz.14362>
- Touroutoglou, A.*, Katsumi, Y.*, Rezaii, N., Paranhos, T., Jones, A., Hochberg, D., Quimby, M., **Henderson, S. K.**, Wong, B., Brickhouse, M., Camprodon, J. A., Dickerson, B. C.[†] & Eldaief, M. C.[†] (2024). Transcranial Magnetic Stimulation improves language and language network functional connectivity in a patient with logopenic primary progressive aphasia. *Brain Stimulation*:

Henderson, S. K.*, Peterson, K. A.*, Patterson, K., Lambon Ralph, M. A.[†], & Rowe, J. B.[†] (2023). Verbal fluency tests assess global cognitive status but have limited diagnostic differentiation: Evidence from a large-scale examination of six neurodegenerative diseases. *Brain Communications*, 5(2), fcad042. <http://doi.org/10.1093/braincomms/fcad042>

Henderson, S. K., Dev, S. I., Ezzo, R., Quimby, M., Wong, B., Brickhouse, M., Hochberg, D., Touroutoglou, A., Dickerson, B. C., Cordella, C.[†], & Collins, J.[†] (2021). A Category-Selective Semantic Memory Deficit for Animate Objects in Semantic Variant Primary Progressive Aphasia. *Brain Communications*, 3(4), fcab210. <https://doi.org/10.1093/braincomms/fcab210>

Kim, S. & Arbel, Y. (2019). Immediate and delayed auditory feedback in declarative learning: An examination of the feedback related event related potentials. *Neuropsychologia*, 129, 255-262. <https://doi.org/10.1016/j.neuropsychologia.2019.04.001>

* denotes co-first and [†] denotes co-last authorship

GUEST LECTURES, PRESENTATIONS, AND PROCEEDINGS

Conference Presentations:

Henderson, S. K., [...], Rowe, J. B.[†], & Patterson, K. E.[†] (2024, September). *Genetics of Semantic Dementia: New data from twins and a review of genetics cases*. Poster at the 2024 International Society for Frontotemporal Dementias, Amsterdam, Netherlands.

Henderson, S. K., Lambon Ralph, M. A. & Rowe, J. B. (2024, April). *Multidimensional cognitive profiles of the logopenic variant of primary progressive aphasia and Alzheimer's disease*. Talk presented at the 2024 British Neuropsychological Society Spring Meeting, Queen Square, London, UK.

Henderson, S. K. (2024, April). *Cognition in typical and atypical Alzheimer's disease*. Data-blitz talk presented at Clinical Academic Trainees Annual Symposium, Selwyn College, Cambridge, UK.

Henderson, S. K., Ramanan, S., Patterson, K. E., Garrard, P., Patel, N., Peterson, K. A., Halai, A., Cappa, S. F., Rowe, J. B. & Lambon Ralph, M. A. (2024, March). *Lexical markers of disordered connected speech in primary progressive aphasia and 'Parkinson-plus' disorders*. Poster at the 2024 Brain Conference, Royal Geographical Society, London, UK.

Henderson, S. K. (2024, March). *A case-series comparison of semantic control in the logopenic variant primary progressive aphasia and Alzheimer's disease*. Talk presented at the 2024 Clarity Symposium, Clare College, Cambridge, UK.

Henderson, S. K., Ramanan, S., Patterson, K., Peterson, K., Rowe, J. B. & Lambon Ralph, M. A. (2023, October). *Can a 15-word picture description checklist differentiate various subtypes of Primary Progressive Aphasia and Parkinson-plus disorders?* Poster presented at the Society for Neurobiology of Language 2023, Marseille, France.

Henderson, S. K. (2023, September). *Can a 15-word checklist for a picture description task differentiate Primary Progressive Aphasia and Parkinson-plus disorders?* Oral poster (short talk platform) presented at the British Aphasiology Conference 2023, London, UK.

Henderson, S. K., Rowe, J. B. & Lambon Ralph, M. A. (2023, July). *A case-series comparison of semantic control in the logopenic variant primary progressive aphasia and Alzheimer's disease*. Poster presented at the Alzheimer's Association International Conference 2023, Amsterdam, Netherlands.

Henderson, S. K., Rowe, J. B. & Lambon Ralph, M. A. (2022, November). *A case-series comparison of semantic control in the logopenic variant primary progressive aphasia and Alzheimer's disease*.

Talk and poster presented at the British Neuropsychological Society Autumn meeting as a Humphreys and Riddoch Prize winner, London, UK.

Henderson, S. K., Peterson, K. A., Patterson, K., Lambon Ralph, M. A. & Rowe, J. B. (2022, November). *Verbal fluency as a “cognitive ESR”: deficits in frontotemporal dementia and related disorders*. Poster presented at the International Society for Frontotemporal Dementias, Lille, Paris.

Henderson, S. K., Rowe, J. B. & Lambon Ralph, M. A. (2021, November). *Structured speech in primary progressive aphasia, progressive supranuclear palsy, and corticobasal syndrome*. One-hour oral seminar presented at the American Speech and Hearing Association 2021 Convention, Washington, DC.

Henderson, S. K., Dev, S. I., Ezzo, R., Quimby, M., Wong, B., Dickerson, B. C., Cordella, C., & Collins, J. (2021, May). *Category-selective semantic deficit for animate objects in semantic variant primary progressive aphasia*. Poster accepted at the Clinical Aphasiology Conference 2020 but presented at Clinical Aphasiology Conference 2021 due to the COVID-19 pandemic, Virtual.

Henderson, S. K., Dev, S. I., Ezzo, R., Quimby, M., Wong, B., Dickerson, B. C., Cordella, C., & Collins, J. (2020, November). *Category-selective semantic deficit for animate objects in semantic variant primary progressive aphasia*. Poster presented at the Alzheimer’s Association International Conference 2020, Virtual.

Gallée, J., Collison, J., Cordella, C., Ezzo, R., **Henderson, S. K.**, Dickerson, B., & Quimby, M. (2019, July). *Quantifying the Differentiated Trajectory of the Wernicke’s-like Presentation of Logopenic Variant Primary Progressive Aphasia (lvPPA)*. Poster presented at the annual meeting of the Academy of Aphasia, Hong Kong.

Brickhouse, M., Flaherty, R., Getchell, K., Krahn, E., Delp, T., O’Chander, R., Krivensky, S., Zaitsv, A., Brand, K., **Kim, S.**, Cordella, C., Dev, S., Touroutoglou, A., Putcha, D., Wong, B., Quimby, M., Hochberg, D., Eldaief, M. C., McGinnis, S. M., Frosch, M. P., Collins, J. A., & Dickerson, B. C. (2019, July). *MRI-derived cortical atrophy patterns as probabilistic predictors of specific neurodegenerative pathologist*. Poster presented at the Alzheimer’s Association International Conference 2019, Los Angeles, CA.

Kim, S. & Arbel, Y. (2018, November). *An electrophysiological examination of feedback-based declarative learning with immediate and delayed auditory feedback*. ePoster session presented at the American Speech and Hearing Association 2018 Convention, Boston, MA.

Kim, S. & Arbel, Y. (2018, November). *An electrophysiological examination of feedback-based learning in monolinguals and bilinguals*. Technical session presented at the American Speech and Hearing Association 2018 Convention, Boston, MA.

Invited Talks/Lectures/Podcasts:

Dementia researcher podcast (2025, February). Topic: “Primary Progressive Aphasia: Keeping Connections Alive”. Link to podcast: <https://podcasts.apple.com/us/podcast/primary-progressive-aphasia-keeping-connections-alive/id1350258595?i=1000692466404>

Invited talk at the Early-Career BIPOC Scholar Seminar Series at the Ohio State University (2024, December). Topic: “Transdiagnostic approach to language and cognition in dementia”. (virtual)

Dementia researcher podcast (2024, December). Topic: “Viva La Success: Acing Your Thesis Defence”. Link to podcast: <https://podcasts.apple.com/us/podcast/viva-la-success-acing-your-phd-thesis-defence/id1350258595?i=1000684476551>

Invited talk at the Cambridge Neuroscience Seminar MPhil in Basic and Translational Neuroscience (2024, November). Talk title: “Language and cognition in primary progressive aphasia and ‘Parkinson-plus’ disorders”. Theme: The Social Brain. (Physiology Building, Downing College, University of Cambridge, UK; in-person)

Invited symposium presenter at Global Neuropsychology Congress (2024, July). Talk title: "Multidimensional cognitive profiles of the logopenic variant of primary progressive aphasia and Alzheimer's disease". (The Super Bock Arena, Porto, Portugal)

Invited lab meeting talk at the Center for Brain Recovery (2024, January). Talk title: "Language in primary progressive aphasia". (Boston University, Boston, MA, USA; virtual)

Invited talk at the Cambridge Neuroscience Seminar MPhil in Basic and Translational Neuroscience (2023, October). Talk title: "Language in dementias". Theme: The Social Brain. (Physiology Building, Downing College, University of Cambridge, UK; in-person)

Invited talk at the MLSE Workshop (2023, October). Talk title: "Language change in Corticobasal syndrome". (St George's Hospital, London, UK; in-person)

Invited talk at the 33rd Cambridge Neuroscience Seminar (2023, September). Talk title: "Language, brain and disorder – a search for simplicity". (Robinson College, University of Cambridge, UK; in-person)

Guest lecture at Indiana University (2023, February). Lecture title: "Therapeutic Approaches to Primary Progressive Aphasia". S537 – Aphasia, Spring 2023. (Undergraduate course; online)

Guest lecture at Indiana University (2022, February). Lecture title: "Therapeutic Approaches to Primary Progressive Aphasia". S537 – Aphasia, Spring 2022. (Undergraduate course; online)

Guest lecture at Indiana University (2021, December). Lecture title: "Connecting the nervous system to neurodegenerative diseases". S501 – Neurological and Physiological Foundations of Speech-Language Pathology, Fall 2021. (Undergraduate course; online)

Dementia researcher podcast (2021, March). Topic: "Logopenic Progressive Aphasia and its characterization". Link to podcast: <https://podcasts.apple.com/au/podcast/logopenic-progressive-aphasia-and-its-characterisation/id1350258595?i=1000513029962>

Guest lecture at the MGH Institute of Health Professions (2019, June). Lecture title: "Therapeutic approaches to PPA". CD857 – Adult Neurodegenerative Syndromes Affecting Language and Cognition, Summer 2021. (Graduate course; in-person)

Outreach and Community Engagement:

Rare Dementia Support primary progressive aphasia (PPA) regional support group (2024, April). Support group discussion topic: Heterogeneity in PPA.

Clare college subject discovery workshops: medicine and society (2024, March). Workshop title: The role of speech language therapists in dementia care and research.
<https://www.clare.cam.ac.uk/subject-discovery-workshops-medicine-society>

Gates Cambridge Teachathon (2022, March – April). Co-organiser.
<https://www.gatescambridge.org/about/news/gates-cambridge-scholars-stage-second-teach-a-thon/>

Gates Cambridge Teachathon (2021, February). Co-organiser and session on semantic cognition.
<https://www.gatescambridge.org/about/news/scholars-launch-first-teach-a-thon/>

RESEARCH

MRC Cognition and Brain Sciences Unit	09/20 – 12/24
University of Cambridge, Cambridge, UK	
<i>PhD Student and Dissertation</i>	
Cambridge Center for Frontotemporal Disorders and Related Disorders	09/20 – 12/24
Department of Clinical Neurosciences, University of Cambridge, Cambridge, UK	

PhD Student and Dissertation

MGH Frontotemporal Disorders Unit

Massachusetts General Hospital, Boston, MA
SLP student placement, SLP-CF, and CCC-SLP

12/17 – 09/20

MGH IHP Cognitive Neuroscience Group

MGH Institute of Health Professions, Charlestown, MA
Master's Thesis Research Project

9/16 – 8/18

Lab for Youth Mental Health, Department of Psychology

Harvard University, Cambridge, MA
Research Assistant for Project CARY

9/15 – 8/16

CLINICAL EXPERIENCE

Massachusetts General Hospital, Frontotemporal Disorders Unit, Charlestown, MA

12/17 – 9/20

*Speech-Language Pathologist, CCC-SLP (7/19 – 9/20), CF-SLP (9/18 – 7/19),
Clinical Placement (12/17 – 8/18)*

- Worked with patients diagnosed with PPA and other neurodegenerative conditions across the FTLT and AD spectra with a variety of speech, language, and/or cognitive impairments. Patient care responsibilities include administering speech, language, and cognitive testing, interviewing patients and caregivers, working in a multidisciplinary team to formulate diagnostic impressions, recommending treatment options and research opportunities, including SLP referrals, providing patient and caregiver education, writing evaluation reports, and supporting speech-language pathologists in the greater community who work with PPA patients. Participated in various clinical, research, and support programs such as the MGH Memory Disorders Clinic, and presented regularly at FTD rounds at Massachusetts General Hospital.

OTHER PROFESSIONAL EXPERIENCE

THE ACADEMY AT HARVARD SQUARE, Cambridge, MA

9/13 – 1/15

TOEFL Instructor

DTZ, Inc., Auburndale, MA

5/11 – 8/13

Proposal Specialist

MANILA HANKUK ACADEMY, Manila, Philippines

9/09 – 1/11

English Teacher

SERVICE AND MEMBERSHIPS

SERVICE:

2019 – PRESENT	Reviewer of various scientific journals
2020 – 2021	External Community Officer for the Gates Scholars Council
2019 – 2020	Vice President of Administration, Massachusetts Speech-Language Hearing Association (MSHA)
2015 – 2016	Volunteer at Mass Eye and Ear and Boston Children's Hospital

MEMBERSHIPS:

CURRENT:	International Society for Frontotemporal Dementias, British Neuropsychological Society, British Aphasiology Society, Society of Neurobiology of Language, American Speech and Hearing Association
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PREVIOUS:	Massachusetts Speech-Language Hearing Association, National Student Speech Language Hearing Association, Academy of Neurologic Communication Disorders and Sciences, Society for Neuroscience
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