

Lynsey M. Keator, PhD, CCC-SLP

Department of Linguistics & Cognitive Science
University of Delaware
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EDUCATION

- 2018 – 2022 PhD University of South Carolina, Columbia, SC
Communication Sciences and Disorders
Dissertation: *Transcranial alternating current stimulation as an adjuvant for nonfluent aphasia therapy: A proof-of-concept study*
Advisor: Julius Fridriksson, PhD
- 2014 – 2016 M.A. University of Massachusetts Amherst, Amherst, MA
Communication Sciences and Disorders
- 2009 – 2013 B.S. University of Delaware, Newark, DE
Cognitive Science, concentration in Speech-Language Pathology
- B.A. University of Delaware, Newark, DE
Spanish Studies

APPOINTMENTS

- 2022 – Present Assistant Professor
University of Delaware
Department of Linguistics & Cognitive Science

FUNDING

AWARDED

- 2020 – 2021 Support to Promote Advancement of Research and Creativity (SPARC)
Graduate Research Grant, PI, \$4,997.00
Title: *“Effects of transcranial alternating current stimulation (tACS) on language and cortical network coherence in post-stroke aphasia”*
- 2020 – 2021 McCausland Center for Brain Imaging M-Fund
MFUND_031, Co-PI, support for 12 hours of scanning
Title: *“An Investigation of Linguistic and Neuroanatomical Manifestations in Neurodegenerative Disease to Inform a Neurobiological Model of Behavior”*
- 2019 South Carolina Independent Colleges and Universities, Inc.
Undergraduate Student and Faculty Grant, Co-PI/Student Mentor, \$3,000.00
Title: *“Improving communication between hospitality service personnel and persons with aphasia”*

SUBMITTED

- 2021 Center for Advancing Chronic Care Outcomes through Research and Innovation (ACORN), Co-PI, \$9855.00
Title: *Living Well with Chronic Aphasia: An Investigation of Quality of Life to Inform an Interdisciplinary Healthcare Approach to Family Management and Self Care*

HONORS AND AWARDS

2022	CAPCSD Ph.D. Scholarship, \$20,000
2022	Inducted into Mu Chapter of Delta Omega, Public Health Honor Society
2021	3-Minute Thesis Award Winner, University of South Carolina Discover Research Day
2020	ASHA Foundation New Century Scholars Doctoral Scholarship, \$10,000
2020	NIDCD Research Symposium in Clinical Aphasiology, Student Fellowship, \$2,000
2020	University of South Carolina Graduate Student Breakthrough Award
2019	Academy of Neurologic Communication Disorders and Sciences, Student Fellowship
2019	Elaine M. Frank Endowed Fellowship, \$4,000
2019	University of South Carolina Arnold School of Public Health Dean's Travel Award, \$300
2019	University of South Carolina Graduate Student Travel Award, \$800
2019	NIDCD Research Symposium in Clinical Aphasiology, Student Fellowship, \$1,600
2019	University of South Carolina Graduate School Graduate Civic Scholars Program, \$500
2018	NIDCD Young Investigator Travel Fellowship, Academy of Aphasia, \$1200
2018	University of South Carolina Graduate Assistantship
2016	Department of Education Graduate Fellowship at the University of Massachusetts

PEER-REVIEW PUBLICATIONS

- Sheppard, S.M., Kim, K., Breining, B.L., **Keator, L.M.**, Meier, E.L., Tang, B., Caffo, B.S., Hillis, A.E. (2022). Neural correlates of syntactic comprehension: A longitudinal study. *Brain and Language*, DOI: [10.1016/j.bandl.2021.105068](https://doi.org/10.1016/j.bandl.2021.105068).
- Johnson, L., Thors, H., Basilakos, A., **Keator, L.M.**, Yourganov, G. Fridriksson, J. Speech entrainment improves synchrony between anterior and posterior cortical speech areas in non-fluent aphasia. *Neural Rehabilitation and Neural Repair*. DOI: [10.1177/15459683211064264](https://doi.org/10.1177/15459683211064264).
- Sheppard, S.M., Stockbridge, M., **Keator, L.M.**, Murray, L., Blake, P. Co-occurrence of prosodic and related deficits following right hemisphere stroke. *Journal of the International Neuropsychological Society*. *In Press*.
- Keator, L.M.**, Yourganov, G., Basilakos, A., Hillis, A.E., Hickok, G., Bonilha, L., Rorden, C., Fridriksson, J. (2021). Independent contributions of structural and functional connectivity: Evidence from a stroke model. *Network Neuroscience*, DOI: [10.1162/netn_a_00207](https://doi.org/10.1162/netn_a_00207).
- Stockbridge, M., Sheppard, S., **Keator L.M.**, Murray, L., Blake, M. (2021). Aprosodia subsequent to right hemisphere brain damage: A systematic review and meta-analysis. *Journal of the Neuropsychological Society*, DOI: [10.1017/S1355617721000825](https://doi.org/10.1017/S1355617721000825).
- Keator, L.M.**, Faria, A., Yourganov, G., Hillis, A., & Tippett, D. (2021). Application of the dual stream model to primary progressive aphasia: Evidence from a multivariant classification tool in primary progressive aphasia. *Aphasiology*, DOI: [10.1080/02687038.2021.1897079](https://doi.org/10.1080/02687038.2021.1897079).
- Keator, L.M.**, Faria, A., Kim, K., Saxena, S., Wright, A., Sheppard, S.M., Breining, B., Goldberg, E., Tippett, D., & Hillis, A. (2020). An efficient bedside measure yields prognostic implications for acute stroke patients. *Cognitive and Behavioral Neurology*, DOI: [10.1097/WNN.000000000000238](https://doi.org/10.1097/WNN.000000000000238).
- Keator, L.M.**, Basilakos, A., Rorden, C., Elm, J., Bonilha, L., Fridriksson, J. (2020). Clinical implementation of transcranial direct current stimulation in aphasia: A survey of speech-language pathologists. *American Journal of Speech Language Pathology*, DOI: [10.1044/2020_AJSLP-19-00037](https://doi.org/10.1044/2020_AJSLP-19-00037).
- Sheppard, S.M., **Keator, L.M.**, Breining, B., Wright, A., Saxena, S., Tippett, D., Hillis, AE. (2020). The right hemisphere ventral stream for emotional prosody perception: Evidence from acute stroke. *Neurology*, DOI: [10.1212/WNL.0000000000008870](https://doi.org/10.1212/WNL.0000000000008870).

- Odolil, A., Wright, A.E., **Keator, L.M.**, Sheppard, S.M., Breining, B., Tippett, D., Hillis, A.E. (2020). Severity of leukoaraiosis is associated with rate of decline in naming in primary progressive aphasia. *Aphasiology*, DOI: [10.1080/02687038.2019.1594152](https://doi.org/10.1080/02687038.2019.1594152)
- Keator, L.M.**, Wright, A., Saxena, S., Kim, K., Demsky, C., Sebastian, R., Sheppard, S., Breining, B., Hillis, A., & Tippett, D. (2019). Distinguishing logopenic from semantic and nonfluent variant primary progressive aphasia: Patterns of linguistic and behavioral correlations. *Neurocase*, DOI: [10.1080/13554794.2019.1625929](https://doi.org/10.1080/13554794.2019.1625929).
- Kim, K., Adams, L., **Keator, L.M.**, Sheppard, S.M., Breining, B., Rorden, C., Fridriksson, J., Bonilha, L., Rogalsky, C., Love, T., Hickok, G., Hillis, A.E. (2019). Phoneme discrimination deficits after left hemisphere stroke. *Brain and Language*, DOI: [10.1016/j.bandl.2019.104677](https://doi.org/10.1016/j.bandl.2019.104677).
- Odolil, A., Wright, A., **Keator, L.M.**, Tippett, D.C., Hillis, A.E. (2019). Effect of leukoaraiosis on decline in naming in primary progressive aphasia. *Neurology*, 92, Supplement.

Manuscripts Under Review

- Kim, J., Cust, S., Lammers, B., Sheppard, S. M., **Keator, L.M.**, Tippett, D.C., Hillis, A.E., Sebastian, R. Cerebellar tDCS enhances functional communication skills in chronic aphasia.
- Stockbridge, M., Elm, J., Breining, B., Tippett, D.C., Sebastian, R., Cassarly, C., Teklehaimanot, A., Spell, L.A., Sheppard, S.M., Vitti, E., Ruch, K., Goldberg, E., Kelly, C., **Keator, L.M.**, Fridriksson, J., Hillis, A.E. Transcranial direct-current stimulation in subacute aphasia: A randomized control trial.
- Farahbod, H., **Keator, L.M.**, Cai, J., Pillay, S., Turner, K., LaCroix, A., Rogalsky, C., Fridriksson, J., Binder, J., Middlebrooks, J., Saberi, K., Hickok, G. Informational masking in aging and brain-lesioned individuals.
- Rogalsky, C., Basilakos, A., Rorden, C., Pillary, S., **Keator, L.M.**, LaCroix, A., Mickelson, S., Anderson, S., Love, T., Fridriksson, J., Binder, J., Hickok, G. Neuroanatomy of speech processing: A large-scale lesion study. *Brain*.
- Ukaegbe, O., Holt, B., **Keator, L.M.**, Brownell, H., Blake, M., Lundgren, K. Aprosodia following right hemisphere damage: What's right and what's left? *Journal of Speech, Language, Hearing Research*.
- Kim, J., Brenowitz, R., Sheppard, S.M., **Keator, L.M.**, Yanokyanm, G., Tippett, D.C., Hillis, A.E. Cerebellar tDCS enhances communication skills in chronic aphasia. *Stroke*.

PEER-REVIEWED PRESENTATIONS

INTERNATIONAL

- Keator, L.M.**, Johnson, L., Johnson, L.P., Fridriksson, J. (2022, October). *Effects of transcranial alternating current stimulation on language fluency in post-stroke aphasia: A proof-of-concept study*. Proposal accepted as a slide presentation at the 14th Annual Meeting of the Society for the Neurobiology of Language, Philadelphia, PA.
- Keator, L.M.**, Johnson, L., Johnson, L., Fridriksson, J. (2021, October). *Effects of transcranial alternating current stimulation (tACS) on language and network coherence in aphasia*. Proposal accepted as a poster presentation at the Society for the Neurobiology of Language, virtual format.
- Keator, L.M.**, Hetherington, N., Nemati, S., Spell, L.A., Hillis, A.E., Hickok, G., Rorden, C., Bonilha, L., Fridriksson, J. (2021, October). *Right hemisphere structural connectivity predicts naming outcomes in chronic aphasia*. Proposal accepted as a poster presentation at the Society for the Neurobiology of Language, virtual format.

- Zhu, H., Fitzhugh, M., **Keator, L.M.**, Johnson, L., LaCroix, A., Fridriksson, J., Rogalsky, C. (2021, October). *Hub Functional connectivity differences in the dual-stream language network in stroke survivors with aphasia: a resting-state fMRI study*. Proposal accepted as a poster presentation at the Society for the Neurobiology of Language, virtual format.
- Keator, L.M.**, Nemati, S., Basilakos, A., Yourganov, G., Rorden, C., Bonilha, L., Fridriksson, J. (2020, October). *The role of the right hemisphere in language processing in post-stroke aphasia: Pilot data for an ongoing investigation of language network reorganization*. Proposal accepted as a poster presentation at the Society for the Neurobiology of Language, virtual format.
- Keator, L.M.**, Yourganov, G., Rorden, C., Bonilha, L., Fridriksson, J. (2019, August). *Temporoparietal resting state functional connectivity underlying language function in chronic stroke*. Poster presented at the Society for the Neurobiology of Language Conference, Helsinki, Finland.
- Keator, L.M.**, Sheppard, S.M., Faria, A., Kim, K., Saxena, S., Wright, A., Hillis, A.E. (2018, October). *Cookie Theft Picture Description: Linguistic and Neural Correlates*. Poster presented at the 56th Academy of Aphasia, Montreal, Canada.
- Sheppard, S., **Keator, L.M.**, Breining, B., Wright, A., Saxena, S., Tippett, D., Hillis, A.E. (2018, October). *The right hemisphere ventral stream for emotional prosody perception: Evidence from acute stroke*. Poster presented at the 56th Academy of Aphasia, Montreal, Canada.
- Keator, L.M.**, Sheppard, S., Kim, K., Saxena, S., Wright, A., Hillis, A. (2018, August). *Predictive neural correlates of action naming and recovery in chronic stroke patients*. Poster presented at the Society of the Neurobiology of Language, Quebec, CA.
- Sheppard, S., **Keator, L.M.**, Breining, B., Kim, K., Saxena, S., Wright, A., Hillis, A.E. (2018, August). *Neural correlates of impaired emotional prosody recognition in acute right hemisphere stroke*. Poster presented at the Society for the Neurobiology of Language, Quebec, Canada.
- Suarez, A., Saxena, S., Kim, K., Breining, B., **Keator, L.M.**, Wright, A., Sheppard, S., Hillis, A.E. (2018, August). *Anatomical correlates of viewer-centered and stimulus-centered neglect after right hemisphere ischemic stroke*. Poster presented at World Stroke Congress, Montreal, Canada.

NATIONAL

- Keator, L.M.**, Johnson, L., Fridriksson, J. (2022, May). *Transcranial alternating current stimulation as an adjuvant for nonfluent aphasia therapy: A proof-of-concept study*. Proposal accepted as a poster presentation at the 2022 Clinical Aphasiology Conference, Wrightsville Beach, NC.
- Aitchison, M., **Keator, L.M.**, Croxton, A., Spell, LA., Fridriksson, J. (2022, May). *Assessment Fidelity in Clinical Research: Considerations for Administration and Scoring of the WAB-R*. Proposal accepted as a roundtable presentation at the 2022 Clinical Aphasiology Conference, Wrightsville Beach, NC.
- Johnson, L., Busby, N., **Keator, L.M.**, den Ouden, D., Fridriksson, J. (2022, May). *Predicting responsive to treatment in chronic aphasia*. Proposal accepted as a platform session at the 2022 Clinical Aphasiology Conference, Wrightsville Beach, NC.
- Sheppard, S.M., Stockbridge, M.D., **Keator, L.M.**, Murray, L. L., Blake, M. L. (2022, January). *A systematic review of prosodic and co-occurring deficits following right hemisphere stroke*. *International Cognitive-Communication Disorders Conference, Orange, CA*.

- Keator, L.M.** & Tippett, D. (2021, November). *Assessing Symptom Severity in Primary Progressive Aphasia in Research Cohort*. Proposal accepted as a Technical Session at the Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C. (pre-recorded).
- Keator, L.M.** & Fridriksson, J. (2021, November). *Food for Thought: A Training Program to Promote Aphasia Awareness and Community Outreach*. Proposal accepted as a Technical Session at the Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C. (pre-recorded).
- Keator, L.M.** & Tippett, D. (2021, October). *Assessing Symptom Severity in Primary Progressive Aphasia in Research Cohort*. Proposal accepted as a poster presentation at the American Neurological Association 2021 Virtual Meeting.
- Stokes, B., Knight, A., **Keator, L.M.** (2020, November). Proposal Number: 11736. *Improving Communication Between Hospitality Service Personnel and Persons with Aphasia: A Pilot Study*. Proposal accepted as a poster at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA. (Convention canceled).
- Keator, L.M.**, Basilakos, A., Rorden, C., Bonilha, L., Fridriksson, J. (2019, November). *Clinical Implementation of transcranial direct current stimulation (tDCS): Speech language pathologists' perspectives*. Technical Talk presented at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.
- Reynolds, G., Ehrhorn, A., **Keator, L.M.**, Blakeley, A., Spiteri, A., Baron, L. (2019, November). *Roads to Research: Tips for deciding whether, when, and how to get involved with research*. 1-Hour Seminar presented at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.
- Keator, L.M.**, Yourganov, G., Faria, AV., Hillis, AE., Tippett, DC. (2020, May). A multivariate classification tool to predict variants of primary progressive aphasia in the context of the dual stream model. Proposal accepted as a poster presentation at the Clinical Aphasiology Conference, Kamuela, HI. (Convention canceled, presented May 2021).
- Blake, P., Lundgren, K., **Keator, L.M.**, Murray, L., Sheppard, SM., Stockbridge, M. A systematic review of the lateralization of aprosodia. Proposal accepted as a Roundtable Presentation at the Clinical Aphasiology Conference, Kamuela, HI. (Convention canceled).
- Keator, L.M.**, Yourganov, G., Rorden, C., Bonilha, L., Fridriksson, J. *Functional connectivity networks: A Stroke Model*. Poster presented at the 49th Clinical Aphasiology Conference, Whitefish, MT. 2019.
- Sebastian, R., Kim, J., Tippett, DC., Sheppard, SM., **Keator, L.M.**, Wright, AE., Celnik, P., Hillis, AE. (2019, May). Cerebellar tDCS and change in functional communication skills. Poster presented at the Clinical Aphasiology Conference, Whitefish, MT.
- Keator, L.M.**, Wright, A., Saxena, S., Kim, K., Demsky, C., Sebastian, R., Sheppard, S., Breining, B., Hillis, A., & Tippett., D. (2018, November). Naming, Semantic Knowledge, and Behavior: Correlations in Primary Progressive Aphasia. Technical Talk presented at the American Speech Language Hearing Association Conference, Boston, MA.
- Su, P., Lio, P., Li, Y., Lin, Z., **Keator, L.M.**, Qiao, Y., Huang, J., Hillis, AE., Lu, H. (2018, June). Non-contrast fingerprinting perfusion imaging reveal hemodynamic deficits in cerebrovascular diseases. Poster presented at the International Society for Magnetic Resonance in Medicine.
- Keator, L.M.**, Faria, A., Yourganov, G., Hillis, A., & Tippett., D. (2018, May). Application of the Dual Stream Model to Primary Progressive Aphasia: Neuroanatomical and Behavioral Correlates. Poster presented at the 48th Clinical Aphasiology Conference, Austin, TX.

LOCAL AND REGIONAL

Keator, L.M., Johnson, L., Johnson, L., Fridriksson, J. (2021, April). *tACS as an adjuvant to nonfluent aphasia therapy*. Presentation accepted for the 2021 University of South Carolina Discover Research Day as 3-Minute Thesis (virtual platform).

Keator, L.M., Spell, LA. (2020, August). *Virtual Community Programming During the COVID-19 Pandemic*. Aphasia Access Brag and Steal.

Keator, L.M. *Food for Thought: A Training Program to Promote Aphasia Awareness and Community Outreach*. Presentation accepted for the 2020 University of South Carolina Discover Research Day, University of South Carolina, Columbia, SC. Conference canceled.

Stokes, B., **Keator, L.M.**, Knight A.M., (2020, February). Improving Communication between Hospitality Service Employees and Persons with Aphasia: A Pilot Study. SCICU Research Symposium (oral presentation), Spartanburg, SC.

Keator, L.M. Basilakos, A., Rorden, C., Bonilha, L., Fridriksson, J. (2020, February). *Clinical Implementation and Perspectives of tDCS in Aphasia Recovery*. 1-hour talk presented at the South Carolina Speech Language Hearing Association, Columbia, SC.

Keator, L.M. Basilakos, A., Rorden, C., Bonilha, L., Fridriksson, J. (2019, October). *tDCS in Clinical Practice: Speech Language Pathologists' Perspectives*. Poster presentation at the "Get the Message: Informing Science and Practice" Conference, Department of Communication Sciences and Disorders, University of South Carolina, Columbia, SC.

Keator, L.M., Yourganov, G., Rorden, C., Bonilha, L., Fridriksson, J. (2019, April) *Resting state functional connectivity underlying language function*. Poster presented at Discover USC Research Day, University of South Carolina, Columbia, SC.

Keator, L.M., Yourganov, G., Rorden, C., Bonilha, L., Fridriksson, J. *Resting state functional connectivity networks in chronic aphasia*. (2019, April). 5th Annual Neuroscience Community Retreat, University of South Carolina, Columbia, SC.

TEACHING AND CLINICAL SUPERVISION EXPERIENCEInstructorGraduate Courses

Spring 2022 University of South Carolina
 Department of Communication Sciences & Disorders
 COMD705: Adult Speech and Language Disorders

Spring 2021 University of South Carolina
 Department of Communication Sciences & Disorders
 COMD705: Adult Speech, Language, and Cognitive Disorders

Undergraduate Courses

Fall 2019 University of South Carolina
 Department of Communication Sciences & Disorders
 COMD500: Introduction to Speech-Language Pathology and Audiology

Clinical Supervision

2018 - 2022 **Clinical Supervisor**
 University of South Carolina Communication Sciences and Disorders Department
 Montgomery Speech and Hearing Clinic
 COMD772: Practicum in Speech-Language Pathology, Adult Aphasia Groups

Guest Lectures

Summer 2022	University of South Carolina Department of Communication Sciences & Disorders <i>COMD501: Anatomy and Physiology of the Swallow Mechanism</i>
Fall 2021	University of South Carolina Department of Psychology <i>PSYC450: Left Hemisphere Brain Damage & The Role of the SLP</i>
Summer 2021	University of South Carolina Communication Sciences and Disorders Department <i>COMD501: Anatomy and Physiology of the Respiration</i>
Summer 2020	University of South Carolina Department of Communication Sciences & Disorders <i>COMD501: Anatomy and Physiology of the Swallow Mechanism</i>
Spring 2021	Chapman University Department of Communication Sciences & Disorders Adult Neurogenic Language Disorders
Fall 2020	University of South Carolina Department of Communication Sciences & Disorders <i>COMD500: Neurogenic Language Disorders, Post-Stroke Aphasia</i>
Summer 2020	University of South Carolina Communication Sciences and Disorders Department <i>COMD501: Anatomy and Physiology of the Swallow Mechanism</i>
Spring 2020	Chapman University Department of Communication Sciences & Disorders Adult Neurogenic Language Disorders

CLINICAL EXPERIENCE

2019 – 2022	Speech-Language Pathologist (PRN) Department of Physical Medicine and Rehabilitation Prisma Health Richland Hospital, Columbia, SC
2017 – 2018	Speech-Language Pathologist (PRN) Johns Hopkins Hospital Department of Physical Medicine and Rehabilitation, Baltimore, MD
2017 – 2018	Speech-Language Pathologist (PRN) Genesis Rehabilitation and Healthcare, Baltimore, MD
2016 – 2017	Clinical Fellow, Speech-Language Pathologist Genesis Rehabilitation and Healthcare, Hamden, CT

SERVICE & LEADERSHIP

2021	Preventing Harassment and Discrimination (Title IX/Clery Module)
2021	Co-Director, Neurogenic Specialization Track Communication Sciences and Disorders, University of South Carolina
2021	Preparing Future Faculty Certificate Center for Teaching Excellence, University of South Carolina
2019	Student Representative for Department Chair Search Committee Communication Sciences and Disorders, University of South Carolina
2019	Student Liaison for Communication Sciences and Disorder Department Communication Sciences and Disorders, University of South Carolina
2018 – 2022	Community Outreach Co-Director Aphasia Laboratory, University of South Carolina

PROFESSIONAL MEMBERSHIPS

- 2019-present **Member**, Academy of Neurologic Communication Disorders and Sciences
- 2018-present **Member**, Society for the Neurobiology of Language
- 2016-present **Member**, American Speech-Language-Hearing Association