

## **Educational History**

Ph.D.; August 2009; The University of Georgia, Athens, GA, Communication Sciences and Disorders  
“The Effect of Constraint-Induced Aphasia Therapy on Naming and Discourse in Individuals with Aphasia”  
Advisors: Dr. Anne Bothe and Dr. Rebecca Shisler Marshall

M.S.; May 2003; The University of Arizona, Tucson, AZ, Speech and Hearing Sciences  
“Subcategory Learning in Normal and Language Learning-Disabled Adults: How Much Information Do They Need”  
Advisor: Dr. Elena Plante

B.S.; May 2001; The University of Georgia, Athens, GA 30602; Communication Sciences and Disorders

## **Employment History Part I**

Associate Professor, 2019-present; The University of New Mexico, Albuquerque, NM 87131

Assistant Professor; 2015-2019; The University of New Mexico, Albuquerque, NM 87131

Assistant Professor; 2012-2015; The University of South Carolina, Columbia, SC 29208

Research Assistant Professor; 2011-2012; The University of South Carolina, Columbia, SC 29208

Post-Doctoral Fellow; 2009-2011; The University of South Carolina, Columbia, SC 29208

Instructor\*/Clinical Supervisor\*\*; 2004-2009\*/2007-2008\*\*; The University of Georgia, Athens, GA 30602

Speech-Language Pathologist; August 2003-June 2005; Clarke County School District; Athens, GA

Speech-Language Pathologist Trainee; September 2002-May 2003; Veterans Affairs Hospital, Tucson, AZ

## **Employment History Part II**

N/A

## **Professional Recognition and Honors**

Aphasia Distinguished Scholar, 2020, The Tavistock Trust for Aphasia Distinguished Scholar Award

Invited Presenter and Panelist, 2020, NYC Neuromodulation 2020 Online Conference, *Cognitive and Emotional Interventions Paired with tDCS*

Invited Issue Editor, 2019, Seminars in Speech and Language, *Advances in Discourse Assessment and Treatment*

Invited Panelist, 2018, Neural Control of Movement Conference, *Non-invasive neuromodulation for enhancement of plasticity and sensorimotor performance.*

Invited Co-Presenter, 2017, 80<sup>th</sup> Annual American Speech-Language Hearing Association Annual Convention, Speech and Language Science Special Interest Group, *The use of current technology in research and clinical application.*

Invited Workshop Speaker, 2017, 15<sup>th</sup> Annual SLP Workshop hosted by Adler Aphasia Center and Mercy College, titled “*Aphasia Assessment: Practical Approaches to Examining Communication in the Context of the Whole Person*”

Invited Presenter, 2016, National Institutes of Health Workshop titled “*Transcranial Electrical Stimulation (tES): Mechanisms, Technology, and Therapeutic Applications*”

Meritorious Poster Award for highly rated poster submission, 2015, American Speech-Language Hearing Association

Invited Speaker, 2015, TEDxColumbiaSC, <https://www.youtube.com/watch?v=m3BF-4GxZAY>

Young Investigator Award, 2013, NYC Neuromodulation Conference

Awarded Advancing Academic Research Careers (AARC) Award, 2013, American Speech-Language Hearing Association

Voted “Most Influential Professor”, 2009, Class of 2009 National Student Speech-Language-Hearing Association Members, The University of Georgia

Selected to participate in The Graduate School’s Emerging Leaders Program, 2008, The University of Georgia

Recipient of Outstanding Teaching Assistant Award, 2008, The University of Georgia

Recipient of Jean R. Guloien Outstanding Master’s Student Award, 2003, Department of Speech and Hearing Sciences, The University of Arizona

Recipient of Merit-based Graduate Tuition Waiver, 2001-2003, The University of Arizona

Golden Key National Honors Society, Delta Epsilon Iota National Honor Society, National Society of Collegiate Scholars, 2000-2001, The University of Georgia

Awarded Wesley Adair Scholarship Trust, 2000-2001

Recipient of Hope Scholarship, 1995-2001

## **Short Narrative Description of Research, Teaching and Service Interests**

My research interest is recovery from acquired brain injury, with a specific focus on aphasia recovery following stroke, neural plasticity, and the development of speech-language treatment approaches (including brain stimulation as an enhancer) that improve life participation. My lab uses neuroimaging to learn about recovery and response to treatment. The brain has to change in order for behaviors (such as those impacted by the brain injury) to change and improve. We use neuroimaging alongside behavioral assessment to investigate these changes. We also study the impact of brain stimulation on brain structure and function, as well as on behavioral outcomes, in both typical and clinical populations. These research questions are heavily dependent on the ability to detect change in behavioral outcomes or clinical endpoints, therefore several research projects also address development and refinement of assessment procedures and instruments. This includes projects focused on assessment and treatment fidelity, as well as development of clinician-friendly and informative discourse outcome measures that predict real-world communication abilities and life participation. Finally, participation in life activities after brain injury is not solely dependent on the ability to name objects or follow directions, which are the speech-language abilities most commonly used to chart outcomes, make treatment decisions, determine duration of third-party reimbursement, etc. Because many more factors contribute to successful communication and life participation, we study these at the levels of the brain injury survivor, caregiver, and community.

My lab conducts a wide range of clinically relevant and translational research. Whenever possible, we present our findings at conferences, in the classroom, in community meetings, and through peer-reviewed publications. My teaching draws heavily from my clinical research experience and findings, and my desire, which I state very clearly to the students several times a semester, is not to teach them everything they need to know – that is impossible – but to teach them how to think critically. I work hard to make learning fun, to encourage both the learning “fails” and “wins”, and to help them understand the magnitude of the responsibility that is placed on their shoulders once they begin their careers as clinicians and/or researchers. Further, teaching extends beyond the classroom to mentoring of young researchers, providing training for students and colleagues in areas of my expertise, and similar teaching and mentoring activities.

The desire to serve persons with brain injury and their family and friends fuels all of my academic endeavors, not just those labeled specifically as “service”, but also research and teaching. This is evident in many of the topics of my publications and presentations and in my teaching practices, as well as the service activities that I regularly conduct. Research projects are designed with the long-term goal of serving patients and their care partners, or serving other researchers in the community seeking to do the same. Teaching projects are designed to equip students with the skills, certifications, and experiences needed so that they are more than competent to serve patients and their care partners. Service activities are complementary extensions of these research and teaching activities. Service to the department, university, and local community extends beyond the required assignments to monthly meetings with New Mexico Brain Network, consultation and programming for the Post-Stroke Communication Group and Brain Injury Support Group, outreach tables at community events, NeuroChoir, and more. Service to the research community includes manuscript reviews, editorship, co-chairing research advisory committees and program chairs, and more.

**Scholarly Achievements** (name **bolded**; mentored students/researchers underlined)

## **Books Authored or Co-authored**

N/A

## **Books Edited or Co-edited**

N/A

## **Book Chapters Authored or Co-authored**

**Richardson, J.D.** & Dalton, S.G. (in press). Assessment of language impairment and function. In A. Hillis and J. Fridriksson (Eds.), *Handbook of Clinical Neurology*. Elsevier.

**Richardson, J.D.** & Dalton, S.G. (2018). The neural substrate of language. In R. Andreatta (Ed.), *Neuroscience fundamentals for CSD*. Plural Publishing.

**Richardson, J.D.** & Fridriksson, J. (2015). The insular cortex. In G. Hickok and S.L. Small (Eds.), *The neurobiology of language*. Academic Press.

## **Articles Published in Refereed Journals**

Dalton, S.G., Cavanagh, J.F., & **Richardson, J.D.** (2021, Mar 17). Resting-state EEG (rsEEG) in chronic aphasia is reliable, sensitive, and correlates with functional behaviors. *Frontiers in Human Neuroscience, section Speech and Language*. <https://doi.org/10.3389/fnhum.2021.624660>

**Richardson, J.D.**, Dalton, S.G., Greenslade, K.J., Jacks, A., Haley, K.L., & Adams, J. (2021, Jan 15). Main concept, sequencing, and story grammar analyses of Cinderella narratives in a large sample of persons with aphasia. *Brain Sciences, 11*, 110. <https://doi.org/10.3390/brainsci11010110>

Quinn, D.K., Upston, J., Jones, T., Brandt, E., Story-Remer, J., Fratzke, V., Wilson, J.K., Avila-Rieger, R., Hunter, M.A., Gill, D., Campbell, R., **Richardson, J.D.**, Clark, V.P., Yeo, R.A., Shuttleworth, C.W., & Mayer, A.R. (2020, Oct 7). Cerebral perfusion effects of cognitive training and transcranial direct current stimulation in mild-moderate TBI. *Frontiers in Neurology: Neurotrauma and Cognitive Deficits, 11*, article 545174. <https://doi.org/10.3389/fneur.2020.545174>

Greenslade, K., Stuart, J.E.B., **Richardson, J.D.**, Dalton, S.G., & Ramage, A. (2020, Nov 12). Macrostructural analyses of Cinderella narratives in a large non-clinical sample. *American Journal of Speech-Language Pathology, 29*(4), 1923-1936. [https://doi.org/10.1044/2020\\_AJSLP-19-00151](https://doi.org/10.1044/2020_AJSLP-19-00151)

Haley, K.L., Jacks, A., Morrison, B., & **Richardson, J.D.** (2020, Aug). Balance and preference in activity participation for informal caregivers of people with aphasia: A questionnaire study. *Aphasiology, 34*(9), 1182-1200. <https://doi.org/10.1080/02687038.2019.1659936>

Haley, K.L., Cunningham, K.T., Jacks, A., **Richardson, J.D.**, Harmon, T., & Turkeltaub, P.E. (2020, Feb 19). Repeated word production is inconsistent in both aphasia and apraxia of speech. *Aphasiology*. <https://doi.org/10.1080/02687038.2020.1727837>

Spell, L.A., **Richardson, J.D.**, Basilakos, A., Stark, B., Teklehaimanot, A., Hillis, A.B., & Fridriksson, J. (2020, Feb 7). Developing, implementing and improving assessment and treatment fidelity in clinical aphasia research. *American Journal of Speech-Language Pathology*, 29(1), 286-298. [https://pubs.asha.org/doi/10.1044/2019\\_AJSLP-19-00126](https://pubs.asha.org/doi/10.1044/2019_AJSLP-19-00126)

Hubbard, H.I., Nelson, L., & **Richardson, J.D.** (2020, Jan). Can script training improve narrative and conversation in aphasia across etiology? *Seminars in Speech and Language*, 41(1), 99-124. <https://doi.org/10.1055/s-0039-3401030>

Dalton, S.G., Hubbard, H.I., & **Richardson, J.D.** (2020, Jan). Moving toward non-transcription based discourse analysis in stable and progressive aphasia. *Seminars in Speech and Language*, 41(1), 32-44. <https://doi.org/10.1055/s-0039-3400990>

Dalton, S.G., Kim, H., **Richardson, J.D.**, & Wright, H.H. (2020, Jan). A compendium of Core Lexicon checklists. *Seminars in Speech and Language*, 41(1), 45-60. <https://doi.org/10.1055/s-0039-3400972>

**Richardson, J.D.** & Dalton, S.G. (2020, Jan). Main concept checklists for two picture description tasks: An addition to Richardson and Dalton, 2016. *Aphasiology*, 34(1), 119-136. <https://doi.org/10.1080/02687038.2018.1561417>

Power, E., Weir, S., **Richardson, J.D.**, Fromm, D., Forbes, M., MacWhinney, B., & Togher, L. (2020, Jan). Patterns of narrative discourse in early recovery following severe traumatic brain injury. *Brain Injury*, 34(1), 98-109. <https://doi.org/10.1080/02699052.2019.1682192>

Dalton, S.G.H. & **Richardson, J.D.** (2019, Mar 11). A large-scale comparison of main concept production between persons with aphasia and persons without brain injury. *American Journal of Speech-Language Pathology*, 28, 293-320. [https://pubs.asha.org/doi/10.1044/2018\\_AJSLP-17-0166](https://pubs.asha.org/doi/10.1044/2018_AJSLP-17-0166)

Bikson, M., Brunoni, A.R., Charvet, L.E., Clark, V.P., Cohen, L.G., Deng, Z-D., Dmochowski, J., Edwards, D.J., Frohlich, F., Kappenman, E.S., Lim, K.O., Loo, C., Mantovani, A., McMullen, D.P., Parra, L.C., Pearson, M., **Richardson, J.D.**, Rumsey, J.M., Sehatpour, P., Sommers, D., Unal, G., Wassermann, E.M., Woods, A.J., & Lisanby, S.H. (2018). Rigor and reproducibility in research with transcranial electric stimulation: An NIMH workshop report. *Brain Stimulation*, 11(3), 465-480. <https://doi.org/10.1016/j.brs.2017.12.008>

**Richardson, J.D.**, Dalton, S.G., Fromm, D., Forbes, M., Holland, A., & MacWhinney, B. (2018). The relationship between confrontation naming and story gist production in aphasia. *American Journal of Speech-Language Pathology*, 27(1S), 406-422. [https://doi.org/10.1044/2017\\_AJSLP-16-0211](https://doi.org/10.1044/2017_AJSLP-16-0211)

Dalton, S.G.H., Shultz, C., Henry, M., Hillis, A., & **Richardson, J.D.** (2018). Describing phonological paraphasias in primary progressive aphasia. *American Journal of Speech-Language Pathology*, 27(1S), 336-349. [https://doi.org/10.1044/2017\\_AJSLP-16-0210](https://doi.org/10.1044/2017_AJSLP-16-0210)

Peters, D. M., Fridriksson, J., Stewart, J. C., **Richardson, J. D.**, Rorden, C., Bonilha, L., ... & Fritz, S. L. (2018). Cortical disconnection of the ipsilesional primary motor cortex is associated with gait speed and upper extremity motor impairment in chronic left hemispheric stroke. *Human Brain Mapping*, 39(1), 120-132. <https://doi.org/10.1002/hbm.23829>

Bikson, M., Grossman, P., Zannou, A.L., Kronberg, G., Truong, D., Boggio, P., Brunoni, A.R., Charvet, L., Fregni, F., Fritsch, B., Gillick, B., Hamilton, R.H., Hampstead, B.M., Kirton, A., Knotkova, H., Liebetanz, D., Liu, A., Loo, C., Nitsche, M.A., Reis, J., **Richardson, J.D.**, Rotenberg, A., Turkeltaub,

P.E., & Woods, A.J. (2017). Response to letter to the editor: Safety of transcranial direct current stimulation: Evidence based update 2016. *Brain Stimulation*, 10(5), 986-987.

<https://doi.org/10.1016/j.brs.2017.06.007>

Fromm, D., Forbes, M., Holland, A., Dalton, S.G., Richardson, J.D., & MacWhinney, B. (2017). Discourse characteristics in aphasia beyond the WAB cutoff. *American Journal of Speech-Language Pathology*, 26(3), 762-768. [https://doi.org/10.1044/2016\\_AJSLP-16-0071](https://doi.org/10.1044/2016_AJSLP-16-0071)

Haley, K., Jacks, A., Richardson, J.D., & Wambaugh, J. (2017). Perceptually salient sound distortions and apraxia of speech: A performance continuum. *American Journal of Speech-Language Pathology*, 26(2S), 631-640. [https://doi.org/10.1044/2017\\_AJSLP-16-0103](https://doi.org/10.1044/2017_AJSLP-16-0103)

Giordano, J., Bikson, M., Kappenman, E.S., Clark, V.P., Coslett, H.B., Hamblin, M.R., Hamilton, R., Jankord, R., Kozumbo, W.J., McKinley, R.W., Nitsche, M.A., Reilly, J.P., Richardson, J.D., Wurzman, R., & Calabrese, E. (2017). Mechanisms and effects of transcranial direct current stimulation. *Dose-Response: An International Journal*, 1-22. <https://doi.org/10.1177/1559325816685467>

Richardson, J.D., Dalton, S.G., Shafer, J., & Patterson, J. (2016). Assessment fidelity in aphasia research. *American Journal of Speech-Language Pathology*, 25, S788-S797.

[https://doi.org/10.1044/2016\\_AJSLP-15-0146](https://doi.org/10.1044/2016_AJSLP-15-0146)

Bikson, M., Grossman, P., Thomas, C., Zannou, A.L., Jiang, J., Adnan, T., Mourdoukoutas, A.P., Kronberg, G., Truong, D., Boggio, P., Brunoni, A.R., Charvet, L., Fregni, F., Fritsch, B., Gillick, B., Hamilton, R.H., Hampstead, B.M., Jankord, R., Kirton, A., Knotkova, H., Liebetanz, D., Liu, A., Loo, C., Nitsche, M.A., Reis, J., Richardson, J.D., Rotenberg, A., Turkeltaub, P.E., & Woods, A.J. (2016). Safety of transcranial direct current stimulation: Evidence based update 2016. *Brain Stimulation*, 9(5), 641-661.

<https://doi.org/10.1016/j.brs.2016.06.004>

Malyutina, S., Richardson, J.D., & den Ouden, D.B. (2016). Verb argument structure in narrative speech: Mining the AphasiaBank. *Seminars in Speech and Language*, 37(1). <https://doi.org/10.1055/s-0036-1572383>

Richardson, J.D. & Dalton, S.G. (2016). Main concepts for three different discourse tasks in a large non-clinical sample. *Aphasiology*, 30(1), 45-73. <https://doi.org/10.1080/02687038.2015.1057891>

Dalton, S.G. & Richardson, J.D. (2015). Core-lexicon and main-concept production during picture-sequence description in adults without brain damage and adults with aphasia. *American Journal of Speech-Language Pathology*, 24, S923-S938. [https://doi.org/10.1044/2015\\_AJSLP-14-0161](https://doi.org/10.1044/2015_AJSLP-14-0161)

Hudspeth, S.G., Meredith, L., & Richardson, J.D. (2015). The promise of learning potential assessment to predict outcomes in adults with and without stroke. *Ohio Speech Language Hearing Association Journal (eHearsay)*, 5(1), 75-85 (aphasia-friendly - 222-226).

Richardson, J.D., Fridriksson, J., Datta, A., Dmochowski, J., & Parra, L.C. (2014). Feasibility of using high-definition transcranial direct current stimulation (HD-tDCS) to enhance treatment outcomes in persons with aphasia. *NeuroRehabilitation*, 36, 115-126. <https://doi.org/10.3233/NRE-141199>

Richardson, J.D., Fillmore, P., Datta, A., Bikson, M., & Fridriksson, J. (2014). Toward development of sham protocols for transcranial direct current stimulation using high-definition electrodes. *NeuroRegulation*, 1(1), 62-72. <https://doi.org/10.15540/nr.1.1.62>

Dmochowski, J.P., Datta, A., Huang, Y., **Richardson, J.D.**, Bikson, M., Fridriksson, J., & Parra, L.C. (2013). Targeted transcranial direct current stimulation for rehabilitation after stroke. *NeuroImage*, 75C, 12-19. <https://doi.org/10.1016/j.neuroimage.2013.02.049>

**Richardson, J.D.**, Fillmore, P., Rorden, C., LaPointe, L., & Fridriksson, J. (2012). Re-establishing Broca's initial findings. *Brain and Language*, 123(2), 125-130. <https://doi.org/10.1016/j.bandl.2012.08.007>

Fridriksson, J., **Richardson, J.D.**, Fillmore, P., & Cai, B. (2012). Left hemisphere plasticity and aphasia recovery. *NeuroImage*, 60(2), 854-863. <https://doi.org/10.1016/j.neuroimage.2011.12.057>

Fridriksson, J., **Richardson, J.D.**, Baker, J.M., & Rorden, C. (2011). Transcranial direct current stimulation improves naming reaction time in fluent aphasia: A double-blind, sham-controlled study. *Stroke*, 42, 819-821. <https://doi.org/10.1161/STROKEAHA.110.600288>

**Richardson, J.D.**, Baker, J.M., Morgan, P.S., Rorden, C., Bonilha, L., & Fridriksson, J. (2011). Cerebral perfusion in chronic stroke: Implications for lesion-symptom mapping and functional MRI. *Behavioural Neurology*, 24(2), 117-122. <http://dx.doi.org/10.3233/BEN-2011-0283>

Bothe, A.K. & **Richardson, J.D.** (2011). Statistical, practical, clinical, and personal significance: Definitions and applications in speech-language pathology. *American Journal of Speech-Language Pathology*, 20, 233-242. [https://doi.org/10.1044/1058-0360\(2011/10-0034\)](https://doi.org/10.1044/1058-0360(2011/10-0034))

Davidow, J.H., Bothe, A.K., **Richardson, J.D.**, & Andreatta, R.D. (2010). Systematic studies of modified vocalization: Effects of speech rate and instatement style during metronome stimulation. *Journal of Speech, Language, and Hearing Research*, 53, 1579-1594. [https://doi.org/10.1044/1092-4388\(2010/09-0173\)](https://doi.org/10.1044/1092-4388(2010/09-0173))

**Richardson, J.D.**, Harris, L., Plante, E., & Gerken, L. (2006). Subcategory learning in normal and language learning-disabled adults: How much information do they need? *Journal of Speech, Language, and Hearing Research*, 49(6), 1257-1266. [https://doi.org/10.1044/1092-4388\(2006/090\)](https://doi.org/10.1044/1092-4388(2006/090))

### **Conference Proceedings**

Dmochowski, J.P., Bikson, M., Datta, A., **Richardson, J.D.**, Fridriksson, J., & Parra, L.C. (2012). On the role of electrical field orientation in optimal design of transcranial direct stimulation. *Conference Proceedings of the 34<sup>th</sup> Annual International IEEE Engineering in Medicine and Biology Society Conference*, 6426-6429. <https://dx.doi.org/10.1109/EMBC.2012.6347465>

### **Abstracts**

**Richardson, J.**, Dalton, S.G.H., Cavanagh, J., Shultz, C., & Adams, J. (2019). HD-tDCS to contralesional hemisphere to enhance treatment in persons with stroke-induced aphasia. *Brain Stimulation*, 12(2), e3.

Arenas, R., **Richardson, J.**, Dalton, S.G.H., & Stewart, H. (2019). Current state of blinding in tACS research. *Brain Stimulation*, 12(2), e17.

**Richardson, J.**, Quinn, D., Arenas, R., Dalton, S.G.H., Larsen, N., von Hoyningen-Huene, S., Duhigg, C., Pinchotti, D. (2019). Optical measurement of cerebral blood flow to investigate brain stimulation and

task engagement. *Brain Stimulation*, 12(2), e30.

**Richardson, J.D.**, Luke, S., & **Hudspeth, S.G.** (2017). Are eye-movements during paragraph reading affected by low-dosage transcranial direct current stimulation (tDCS)? *Brain Stimulation*, 10(1), e8-e9. <https://doi.org/10.1016/j.brs.2016.11.045>

Galletta, E.E., Buchwald, A., **Richardson, J.D.**, Fridriksson, J., Hamilton, R., Turkeltaub, P., & Marangolo, P. (2017). Considerations for research treatment of aphasia combining neuromodulation and speech-language intervention. *Brain Stimulation*, 10(1), e15-e16. <https://doi.org/10.1016/j.brs.2016.11.068>

Den Ouden, D.B., Malyutina, S., & **Richardson, J.D.** (2015). *Verb argument structure in narrative speech: Mining the AphasiaBank*. Frontiers in Psychology Conference Abstract: Academy of Aphasia 53<sup>rd</sup> Annual Meeting. <https://doi.org/10.3389/conf.fpsyg.2015.65.00085>

**Richardson, J.D.**, Fillmore, P., Datta, A., Truong, D., **Hudspeth, S.G.**, Bikson, M., & Fridriksson, J. (2014). Sham protocols for transcranial direct current stimulation using high-definition electrodes. *Brain Stimulation*, 7(2), e8. <https://doi.org/10.1016/j.brs.2014.01.031>

**Richardson, J.D.**, Datta, A., Dmochowski, J., Parra, L., & Fridriksson, J. (2014). HD-tDCS to enhance behavioral treatment for aphasia: A feasibility study. *Brain Stimulation*, 7(2), e9. <https://doi.org/10.1016/j.brs.2014.01.032>

## Articles Appearing in Chapters in Edited Volumes

N/A

## Other Scholarly Works

Fridriksson, J., Baker, J., & **Richardson, J.D.** (2010, Jul 6). What can neuroimaging tell us about aphasia? *The ASHA Leader*.

## Works in Progress

### *Accepted for publication*

NA

### *Submitted for publication*

**Richardson, J.D.**, Galetta, E., Charvet, L., & Shaw, M. (submitted Sep 2020; in revision). Remotely supervised transcranial direct current stimulation (RS-tDCS) for people with stroke-induced and progressive aphasia. *Aphasiology*.

Quinn, D.K., Story-Remer, J., Brandt, E., Fratzke, V., Rieger, R., Wilson, K., Gill, D., Mertens, N., Hunter, M., Upston, J., Jones, T., **Richardson, J.D.**, Campbell, R., Clark, V., Yeo, R., Shuttleworth, C.W., & Mayer, A.R. (submitted May 2020). Transcranial direct current stimulation facilitates working memory after mild-moderate traumatic brain injury. *Journal of Neurotrauma*.



Mertens, N., Brandt, E., Fratzke, V., Upston, J., Jones, T., Story Remer, J., Rieger, R., Wilson, K.J., Gill, D., Hunter, M., Richardson, J.D., Campbell, R., Clark, V., Yeo, R., Shuttleworth, C.W., Mayer, A., Cavanagh, J., & Quinn, D. (submitted Dec 2020). Effects of anodal tDCS on neural correlates of cognitive control in mild-to-moderate traumatic brain injury.

Peters, D., Fridriksson, J., **Richardson, J.**, Stewart, J., Rorden, C., Bonilha, L., Middleton, A., & Fritz, S. (submitted Feb 2020). Upper and lower limb motor function correlates with ipsilesional corticospinal tract and red nucleus structural integrity in chronic stroke. *Neurorehabilitation and Neural Repair*.

### ***In preparation***

**Richardson, J.D.**, Dalton, S.G.H., Armes, A., Jacks, A., Haley, K., Adams, J., Nelson, L., & Arenas, R. (in preparation). The relationship between narrative informativeness and psychosocial outcomes in chronic stroke-induced aphasia. *Aphasiology*.

**Richardson, J.D.**, Dalton, S.G.H., Jacks, A., Haley, K., Shultz, C., & Adams, J. (in preparation). Aphasia at the margins: A focus on the underserved. *Topics in Stroke Rehabilitation*.

**Tanaka, T., Dalton, S.G., & Richardson, J.D.** (in preparation). Estimating the impact of assessment and treatment fidelity on aphasia treatment outcomes: A simulation study. *Journal of Speech, Language, and Hearing Research*.

**Richardson, J.D.**, Arenas, R., Dalton, S.G., Stewart, H., & Duhigg, C. (in preparation). Current blinding practices in tDCS research and recommendations. *Brain Stimulation*.

Arenas, R., **Richardson, J.D.**, Dalton, S.G., Stewart, H., & Salm, L. (in preparation). Current state of blinding in tACS research. *Brain Stimulation*.

Jacks, A., Haley, K.L., **Richardson, J.D.**, & Dalton, S.G. (in preparation). Language impairment and lived experience in aphasia. *American Journal of Speech-Language Pathology*.

**Richardson, J.D.**, Moser, D., Dalton, S.G., Hubbard, H.I., Shultz, C., Hanson, J., & Adams, J. (in preparation). Impact of reading group participation for adults with aphasia and alexia. *American Journal of Speech-Language Pathology*.

## **Invited or Refereed Abstracts and/or Presentations at Professional Meetings**

### ***Invited Lectures/Presentations***

Dalton, S.G.H. & **Richardson, J.D.** (2021, Mar 18). Main Concept Workshop Part 2. Invited workshop for FoQUSAphasia (FOstering QUality of Spoken discourse in Aphasia; [www.foqusaphasia.com](http://www.foqusaphasia.com)). [https://www.youtube.com/watch?v=J\\_XVqHXNANK](https://www.youtube.com/watch?v=J_XVqHXNANK)

Dalton, S.G.H. & **Richardson, J.D.** (2021, Feb 25). Main Concept Workshop Part 1. Invited workshop for FoQUSAphasia (FOstering QUality of Spoken discourse in Aphasia; [www.foqusaphasia.com](http://www.foqusaphasia.com)). <https://www.youtube.com/watch?v=pxzJ4mE9xEE>

Patterson, J., & **Richardson, J.D.** (2021, Jan 27). Episode 63: The interesting mix of discourse, neural plasticity, fidelity, and song: A conversation with Dr. Jessica Richardson. Invited podcast guest for

AphasiaAccess. <https://aphasiaaccess.libsyn.com/the-interesting-mix-of-discourse-neural-plasticity-fidelity-and-song-in-conversation-with-jessica-richardson>

Archer, B., Evans, W., Mozeiko, J., & **Richardson, J.D.** (2020, Jun 18). A conversation with the 2020 Tavistock Distinguished Scholars in the USA. Invited panel for AphasiaAccess. <https://vimeo.com/431230506>

Clark, V., Nikolin, S., Myruski, S., **Richardson, J.D.**, Eilam-Stock, T., Galletta, E., & Charvet, L. (2020, Apr). *Cognitive and Emotional Interventions Paired with tDCS*. Invited panel presentation for the NYC Neuromodulation 2020 Online Conference.

**Richardson, J.D.** (2019, Sep). *Stimulating conversation in aphasia*. Invited presentation for the University of New Mexico Board of Regents, Albuquerque, NM.

**Richardson, J.D.** (2019, Sep). *Stimulating conversation in aphasia*. Invited presentation for the University of New Mexico Academic/Student Affairs and Research (ASAR) Committee, a subcommittee of the Board of Regents, Albuquerque, NM.

Buneo, C., Clark, V., Tillery, S.H., **Richardson, J.D.**, & Tyler, J. (2018, May). *Non-invasive neuromodulation for enhancement of plasticity and sensorimotor performance*. Invited panelist for panel discussion at the Neural Control of Movement Conference, Santa Fe, NM.

**Richardson, J.D.** (2018, Feb). *How your brain talks to itself: Connectivity counts!* Invited presentation for the New Mexico Brain Bee, Albuquerque, NM.

Kisenwether, J., Key-Delyria, S., Story, B., Goldstein, L., **Richardson, J.D.**, & Jacks, A. (2017, Nov). *The use of current technology in research and clinical application*. Invited presentation for American Speech-Language Hearing Association Annual Convention, Speech and Language Science Special Interest Group, Los Angeles, CA.

**Richardson, J.D.** (2017, Oct). *Targeted tDCS to enhance treatment outcomes in persons with aphasia*. 2017 NIH IDEa Western Regional Conference, Jackson Hole, WY.

**Richardson, J.D.** (2017, Oct). *tDCS sham procedure advancement through measurement of sensation and psychophysical parameters*. Invited presentation for the New Mexico Clinical Neurostimulation Meeting, Albuquerque, NM.

**Richardson, J.D.** (2017, Apr). *Aphasia assessment: Practical approaches to examining communication in the context of the whole person*. Invited workshop presentation for 15<sup>th</sup> Annual SLP Workshop hosted by Adler Aphasia Center and Mercy College, Maywood, NJ.

**Richardson, J.D.** (2017, Feb). *Aphasia and related speech-language disorders*. UNMHSC Medical School, Albuquerque, NM.

**Richardson, J.D.** (2017, Feb). *Measuring the target engagement of adjuvant brain stimulation in persons with aphasia*. UNMHSC Neurology Grand Rounds, Albuquerque, NM.

**Richardson, J.D.** (2016, Oct). *Tips for self-care for caregivers*. Invited presentation for New Mexico Brain Injury Alliance Annual Conference, Albuquerque, NM.

- Richardson, J.D.** (2016, Sep). *An update on blinding practices in tDCS and tACS research*. Invited presentation for NIH NIMH Workshop titled Transcranial Electrical Stimulation (tES): Mechanisms, Technology and Therapeutic Applications, Bethesda, MD.
- Shuttleworth, W. & **Richardson, J.D.** (2016, Jun). *Your dazzling brain – Keep it bright!* Invited lecture for UNMHSC STEAM-H Career Exploration Extravaganza, Albuquerque, NM.
- Shuttleworth, W., **Richardson, J.D.**, & Quinn, D. (2016, Mar). *Your dazzling brain – Keep it bright!* Invited community lecture for Albuquerque Academy, Albuquerque, NM. <http://youtu.be/uJ9vqfYbAlk>
- Holland, A. & **Richardson, J.D.** (2015, Nov). *The impact of aphasia in the lives of brain injury survivors and their care partners – Saudi adaptation*. Invited seminar for Saudi International Conference for Hearing and Speech, Saudi Arabia.
- Richardson, J.D.** (2015, Oct). *Investigating ways to maximize recovery potential in adults with brain injury*. Invited presentation for Southwest Conference on Disability, Albuquerque, NM.
- Richardson, J.D.** (2015, Aug). *Maximizing recovery potential after brain injury*. Invited presentation for New Mexico Brain Network, Albuquerque, NM.
- Richardson, J.D.** (2015, Jul). Invited expert for Air Force Program Planning meeting on dosimetry and mechanisms mediating responses to tDCS, Amherst, MA.
- Richardson, J.D.** (2015, Feb). *The search for clinical predictors of life participation in persons with aphasia*. Invited presentation for South Carolina Speech Language Hearing Association, Myrtle Beach, SC.
- Richardson, J.D.** (2015, Jan). *The impact of aphasia in the lives of brain injury survivors and their care partners*. Invited presentation for TEDxColumbia, Columbia, SC. <https://www.youtube.com/watch?v=m3BF-4GxZAY>
- Marangolo, P., Hamilton, R., Turkeltaub, P., Buchwald, A., Galletta, E., **Richardson, J.D.**, & Fridriksson, J. (2015, Jan). *Outcome measures in brain stimulation enhanced treatment of aphasia in the context of the WHO-ICF*. Invited presentation for panel discussion titled “Using tDCS in aphasia rehabilitation research: Questions for consideration” presented at NYC Neuromodulation Conference, New York, NY.
- Richardson, J.D.** (2015, Jan). *Highlights and Breaking News in tDCS – Using eyetracking to measure tDCS-induced changes in cognitive-linguistic performance*. Invited presentation presented at NYC Neuromodulation Conference, New York, NY.
- Richardson, J.D.** (2014, Jun). *Progress towards clinical predictors of the life participation of persons with aphasia*. Invited presentation for “Research, Evidence, Application, & Learning (REAL) Talks: Inspiring the Future of Communication Disorders”, College of Education, University of Georgia, Athens, GA.
- Richardson, J.D.** (2013, Nov). *A blinding problem: Sham stimulation in tDCS*. Invited presentation presented at NYC Neuromodulation Conference, New York, NY.
- Richardson, J.D.**, & Hubbard, H.I. (2013, Jun). *The use of speech entrainment in aphasia rehabilitation*. Invited presentation presented at the Aphasia Virtual Conference titled “Cutting Edge Approaches to

Aphasia Management” for SpeechPathology.com. <https://www.speechpathology.com/releases/virtual-conference-cutting-edge-approaches-2177>

**Richardson, J.D.**, & Fillmore, P. (2011, Feb). *New insights into aphasia recovery*. Invited lecture presented at the South Carolina Speech-Language-Hearing-Association, Charleston, SC.

### ***Refereed Conference Abstracts, Articles, and Presentations***

Dalton, S.G. & **Richardson, J.D.** (2020, November). 12959: Resting-state EEG reveals power differences in individuals with chronic stroke-induced aphasia. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA. *Convention cancelled due to Covid-19 pandemic.*

Dalton, S.G. & **Richardson, J.D.** (2020, November). 11860: Maximizing the utility of Cinderella Main Concept checklists. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA. *Convention cancelled due to Covid-19 pandemic.*

Jacks, A., Haley, K., **Richardson, J.D.**, & Morrison, B. (2020, November). 12236: Depression risk in stroke survivors with aphasia and their carepartners. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA. *Convention cancelled due to Covid-19 pandemic.*

Spell, L.A., **Richardson, J.D.**, Basilakos, A., Stark, B., Teklehaimanot, A., Hillis, A., & Fridriksson, J. (2020, November). 11631: Developing, implementing, and improving assessment and treatment fidelity in clinical aphasia research. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA. *Convention cancelled due to Covid-19 pandemic.*

Vogel-Eyny, A., Galletta, E., & **Richardson, J.D.** (2020, October). *Combining evidence-based treatments in aphasia with neuromodulation*. Presentation as part of a symposium entitled “Noninvasive brain stimulation for aphasia rehabilitation: Putting theory into practice” for the 2020 Academy of Aphasia Conference (virtual).

**Richardson, J.D.**, Jacks, A., Dalton, S.G.H., Shultz, C., & Adams, J. (accepted 2020). *Aphasia at the margins: A focus on the underserved*. Roundtable accepted for the 2020 Clinical Aphasiology Conference; *Conference cancelled due to Covid-19 pandemic.*

Haley, K., Jacks, A., Harmon, T., **Richardson, J.D.**, Turkeltaub, P. (2020). *Repeated word production is inconsistent in aphasia and especially in apraxia of speech*. Abstract presented at Motor Speech Conference, Santa Barbara, CA.

Neel, A., Krasilshchikova, S., **Richardson, J.D.**, Arenas, R., Bennett, L., Banks, S., & Bernick, C. (2020). *Speech rate, pausing, and disfluency associated with CTE in professional fighters*. Abstract presented at Motor Speech Conference, Santa Barbara, CA.

Greenslade, K., Bowden, J., Dalton, S.G., Ramage, A., & **Richardson, J.D.** (2019, November). *Macrostructural analysis of story grammar and orderliness in Cinderella narratives from a large non-clinical sample*. Technical research session presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

ALHarbi, M., Hubbard, H.I., **Richardson, J.D.**, & Kim, E. (2019, November). *Cautiously optimistic: A review of the state of evidence for using tDCS for aphasia*. Seminar presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

**Richardson, J.D.**, Galletta, E., Shaw, M., & Charvet, L. (2019, November). *Remotely supervised transcranial direct current stimulation (RS-tDCS) for people with stroke-induced and progressive aphasia*. Seminar presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

Dalton, S.G., Cavanagh, J., & **Richardson, J.D.** (2019, November). *Spectral EEG changes in persons with chronic stroke*. Poster presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

Haley, K.L., Jacks, A., Morrison, B., & **Richardson, J.D.** (2019, June). *Activity participation among informal caregivers of people with aphasia*. Poster presented at Nordic Aphasia Conference, Turku, Finland.

**Richardson, J.D.**, Moser, D., Dalton, S.G., Hubbard, H.I., Shultz, C., Hanson, J., & Adams, J. (2019, May). *Impact of reading group participation for adults with aphasia and alexia*. Poster presented at the 2019 Clinical Aphasiology Conference.

**Richardson, J.D.**, Dalton, S.G., Hubbard, H.I., Shultz, C., Hanson, J., & Adams, J. (2019, May). *Feasibility of group script training in two variants of primary progressive aphasia*. Roundtable presented at the 2019 Clinical Aphasiology Conference.

ALHarbi, M.F., Hubbard, H.I., **Richardson, J.D.**, & Kim, E. (2019, May). *Finding the optimal tDCS montage based on stroke recovery patterns to improve naming in an individual with post-stroke aphasia*. Poster presented at the 2019 Clinical Aphasiology Conference.

Dalton, S.G., Cavanagh, J.C., Adams, J., & Richardson, J.D. (2019, May). *Sensitivity of ERPs to language changes following therapy*. Poster presented at the 2019 Clinical Aphasiology Conference.

**Richardson, J.D.**, Dalton, S.G.H., Cavanagh, J.F., Shultz, C., & Adams, J. (2018). *HD-tDCS to contralesional hemisphere to enhance treatment outcomes in persons with stroke-induced aphasia*. Poster presented at NYC Neuromodulation Conference and NANS Summer Series, New York City, NY.

**Richardson, J.D.**, Quinn, D., Arenas, R., Dalton, S.G.H., Larsen, N., von Hoyningen-Huene, S., Duhigg, C., & Pinchotti, D. (2018). *Optical measurement of cerebral blood flow to investigate brain stimulation and task engagement*. Poster presented at NYC Neuromodulation Conference and NANS Summer Series, New York City, NY.

Arenas, R., **Richardson, J.D.**, Dalton, S.G.H., & Stewart, H. (2018). *Current state of blinding in tACS research*. Poster presented at the NYC Neuromodulation Conference and NANS Summer Series, New York City, NY.

Quinn, D.K., Upston, J., Jones, T., Fratzke, V., Worth, L., Yaramothu, C., Alvarez, T., Harris-Carriman, S., Hoffer, M., Stephen, J., Bikson, M., **Richardson, J.D.**, & Mayer, A. (2018). *Individualizing HD-tDCS with fMRI and e-field modeling: The NAVIGATE (Neuromodulation of Auditory, Visual, and Generalized Abnormalities) TBI study*. Poster presented at the NYC Neuromodulation Conference and NANS Summer Series, New York City, NY.

Jacks, A., Haley, K., Dalton, S.G.H., & **Richardson, J.D.** (2018). *Language impairment and lived experience in aphasia: A factor analysis*. Poster presented at Clinical Aphasiology Conference, Austin, TX.

Young, E., **Richardson, J.D.**, Power, E., & Togher, L. (2017). *Discourse changes following severe TBI: A longitudinal study*. Poster presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Haley, K., Harmon, T., Smith, M., Jacks, A., **Richardson, J.D.**, Dalton, S.G., & Shafer, J. (2017). *Apraxia of speech in conduction aphasia: A clinical reality*. Poster presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Boyle, M., Glista, S., Hickey, E., Morgan, J., Pollens, R., **Richardson, J.D.**, & Welsh, J. (2017). *Modules for incorporating the life participation approach to aphasia into classroom and clinical teaching*. Seminar presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Tanaka, T., Dalton, S.G., & **Richardson, J.D.** (2017). *Estimating the impact of assessment and treatment fidelity on aphasia treatment outcomes*. Poster presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Shultz, C., Dalton, S.G., Salm, L., & **Richardson, J.D.** (2017). *Group phonological treatment in logopenic variant primary progressive aphasia*. Poster presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Dalton, S.G., Salm, L., Stewart, H., Cavanagh, J., & **Richardson, J.D.** (2017). *Investigating electrophysiological changes in language, motor, and cognitive networks in individuals with chronic aphasia*. Flash session presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Arenas, R.M., **Richardson, J.D.**, Dalton, S.G., & Stewart, H. (2017). *The current state of blinding in tACS research*. Poster presented at the New Mexico Clinical Neurostimulation Meeting, Albuquerque, NM.

Quinn, D.K., Story-Remer, J., Hunter, M.A., Upston, J., Jones, T., Cavanagh, J., Rieger, R., Wilson, K., Gill, D., **Richardson, J.D.**, Campbell, R., Mayer, A., Yeo, R., Clark, V., & Shuttleworth, C.W. (2017). *Transcranial direct current stimulation facilitates working memory after mild-moderate TBI*. Poster presented at National Neurotrauma Society, Snowbird, UT.

Dalton, S.G., Stewart, H., & **Richardson, J.D.** (2017). *A large-scale comparison of main concept analysis between persons with aphasia and persons without brain injury*. Poster presented at Clinical Aphasiology Conference, Snowbird, UT.

**Richardson, J.D.**, Dalton, S.G., & Shisler Marshall, R. (2017). *A focus on discourse changes following intensive-language action therapy*. Poster presented at Clinical Aphasiology Conference, Snowbird, UT.

**Richardson, J.D.**, Dalton, S.G., Haley, K., Jacks, A., & Silverman, M. (2017). *Outcomes of care partners of persons with aphasia*. Poster presented at Aphasia Access Leadership Summit, Orlando, FL.

Stewart, H., Quevedo-Levesque, G., Dalton, S.G., & Richardson, J.D. (2016). *Gist and coherence during picture description in persons with mild aphasia*. Poster presented at American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Tanaka, T., Branch, W., Dalton, S.G., & Richardson, J.D. (2016). *It's raining cats: Further development of discourse checklists for picture description tasks*. Poster presented at American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Jacks, A., **Richardson, J.D.**, Haley, K. (2016). *Low mood and depression in people with aphasia: A comparison of scales*. Poster presented at American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Harmon, T., Jacks, A., **Richardson, J.D.**, & Haley, K. (2016). *Speech fluency in discourse produced by people with mild aphasia: Correlations with impairment and confidence*. Poster presented at American Speech-Language-Hearing Association Convention, Philadelphia, PA.

**Richardson, J.D.**, Dalton, S.G., Fromm, D., Forbes, M., Holland, A., & MacWhinney, B. (2016). *The relationship between confrontation naming and story gist production in aphasia*. Poster presented at the Clinical Aphasiology Conference, Charlottesville, VA.

Haley, K., **Richardson, J.D.**, & Jacks, A. (2016). *Activity participation by people with aphasia and their caregivers*. Oral presentation at the Clinical Aphasiology Conference, Charlottesville, VA.

Dalton, S.G., Shultz, C., Hillis, A., & Richardson, J.D. (2016). *Describing phonological paraphasias in primary progressive aphasia*. Poster presented at the Clinical Aphasiology Conference, Charlottesville, VA.

Haley, K., Jacks, A., **Richardson, J.D.**, & Wambaugh, J. (2016). *Perceptually salient sound distortions and apraxia of speech*. Poster presented at Motor Speech Conference, Newport Beach, CA.

**Richardson, J.D.** & Hudspeth, S.G. (2015). *Assessment fidelity in aphasia research*. Roundtable presented at Clinical Aphasiology Conference, Monterey, CA.

Hudspeth, S.G., Richardson, J.D., Saunders, W.M., Haley, K., & Jacks, A. (2015). *The relationship between discourse performance with and without gesture use and life participation in adults with aphasia*. Poster presented at Clinical Aphasiology Conference, Monterey, CA.

Gadson, D.S., Marshall, R.S., & **Richardson, J.D.** (2015). *Evaluating quality of life and language in a comprehensive aphasia rehabilitation education program (CARE)*. Poster presented at Clinical Aphasiology Conference, Monterey, CA.

den Ouden, D-B., Malyutina, S., & **Richardson, J.D.** (2015). *Verb argument structure in narrative speech: Mining the AphasiaBank*. Platform presented as part of symposium titled "The rise of big-data in aphasiology: An opportunity for theory development" at Academy of Aphasia, Tucson, AZ.

**Richardson, J.D.**, Saunders, W.M., Hudspeth, S.G., Jacks, A., Silverman, M., & Haley, K. (2015). *The relationship between discourse performance and life participation in persons with aphasia*. Poster presented at Aphasia Access Leadership Summit, Boston, MA.

Haley, K., Jacks, A., **Richardson, J.D.**, & Silverman, M. (2015). *Writing and using life-participation goals for people affected by aphasia*. Poster presented at AphasiaAccess Leadership Summit, Boston, MA.

Jacks, A., Silverman, M., **Richardson, J.D.**, & Haley, K. (2015). *Communication, activity, and life participation in adults with aphasia: Overview of the first year of a university-community research partnership*. Oral session presented at AphasiaAccess Leadership Summit, Boston, MA.

Dalton, S.G. & **Richardson, J.D.** (2015). *Learning potential in adults with aphasia and healthy controls*. Poster presented at American Speech-Language-Hearing Association Convention, Denver, CO.

**Richardson, J.D.**, Dalton, S.G., Harlow, V., Haley, K., Jacks, A., & Silverman, M. (2015). *Story grammar analysis in persons with aphasia*. \* Poster presented at American Speech-Language-Hearing Association Convention, Denver, CO. \*ASHA Meritorious Poster Submission certificate

Haley, K., **Richardson, J.D.**, Jacks, A., de Riesthal, M. (2015). *Setting goals for communicative life participation in aphasia*. One-hour oral session presented at American Speech-Language-Hearing Association Convention, Denver, CO.

Thors, H., **Richardson, J.D.**, & Fridriksson, J. (2015). *Dual stream model guided treatment of aphasia*. Poster presented at the Society for Neurobiology of Language Conference, Chicago, IL.

**Richardson, J.D.**, Luke, S., & Hudspeth, S.G. (2015). *Are eye-movements during paragraph reading affected by low-dosage transcranial direct current stimulation (tDCS)*. Poster presented at the NYC Neuromodulation Conference, New York City, NY.

Galletta, E., Buchwald, A., **Richardson, J.D.**, Fridriksson, J., Hamilton, R., Turkeltaub, P., & Marangolo, P. (2015). *Considerations for research treatment of aphasia combining neuromodulation and speech-language intervention*. Poster presented at NYC Neuromodulation Conference, New York City, NY.

**Richardson, J.D.** & Hudspeth, S.G. (2014). *Story grammar analysis in persons with mild aphasia*. Poster presented at Clinical Aphasiology Conference, St. Simons, GA.

Hudspeth, S.G. & **Richardson, J.D.** & (2014). *Core lexicon and main concept production during picture description*. Poster presented at Clinical Aphasiology Conference, St. Simons, GA.

**Richardson, J.D.** & Hudspeth, S.G. (2014). *Main concept production in persons with aphasia: A comparison of subtypes*. Oral presentation at Clinical Aphasiology Conference, St. Simons, GA.

Haley, K., **Richardson, J.D.**, Harmon, T., Jacks, A., & Silverman, M. (2014). *Life activity choices by people with aphasia, family members, and older adults*. Poster presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

Hudspeth, S.G., Fogerty, D., & **Richardson, J.D.** (2014). *Effects of frequency, competition, and noise on spoken word recognition for young and old adults*. Technical research session presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

Jacks, A., Silverman, M., **Richardson, J.D.**, & Haley, K. (2014). *Communication, activity, and life participation in adults with aphasia: A university-community partnership in the Carolinas*. Seminar presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.



Malyutina, S., **Richardson, J.D.**, & den Ouden, D. (2014). *Verb argument structure complexity in discourse in aphasia*. Poster presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

Saunders, W., Payne, V., Haley, K., Jacks, A., Silverman, M., & Richardson, J.D. (2014). *Predicting changes in the lives of caregivers of persons with aphasia*. Poster presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

**Richardson, J.D.**, Fillmore, P., Datta, A., Truong, D., Hudspeth, S.G., Bikson, M., & Fridriksson, J. (2013). *Sensation ratings during high-definition transcranial direct current stimulation (HD-tDCS)*. Poster presented at the first annual NYC Neuromodulation Conference, New York, NY.

**Richardson, J.D.**, Datta, A., Dmochowski, J., Parra, L., & Fridriksson, J. (2013). *HD-tDCS to enhance behavioral treatment for aphasia: A feasibility study*. Poster presented at the first annual NYC Neuromodulation Conference, New York, NY.

Hudspeth, S.G., Campbell, S., Williams, N., Dillow, E., & Richardson, J.D. (2013). *Development of clinician-friendly discourse analysis tools: Main concept analysis*. Poster presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Richardson, J.D.**, Hudspeth, S.G., Saunders, W., & Payne, V. (2013). *Story narrative in anomic aphasia: Analysis of story grammar components*. Poster presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

Campbell, S., Williams, N., Hudspeth, S.G., Franklin, D., & Richardson, J.D. (2013). *Discourse measures in aphasia and observer ratings of comfort and typicality*. Poster presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

Hudspeth, S.G., Dillow, E., & Richardson, J.D. (2013). *Core lexicon analysis: Efficient assessment of narrative discourse in persons with aphasia*. Technical session presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Richardson, J.D.**, Holland, A., Forbes, M., MacWhinney, B., & Fromm, D. (2013). *Research, clinical, and educational applications of AphasiaBank*. Oral seminar (2 hours) given at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Richardson, J.D.**, Fridriksson, A., Franklin, D., Graczyk, E., & Fridriksson, J. (2012). *Measuring structural connectivity to predict language impairment in aphasia*. Poster presented at the Society for Neurobiology of Language Conference in San Sebastian, Spain.

Fillmore, P., **Richardson, J.**, Fridriksson, Jo., & Fridriksson, Ju. (2011). *VESTPA: Visually enhanced speech treatment for persons with aphasia - A freely available web-based therapy program*. Poster presented at the Entertainment Software and Cognitive Neurotherapeutics Society, San Francisco, CA.

Baker, J.M., **Richardson, J.D.**, & Fridriksson, J. (2010). *Transcranial direct current stimulation (tDCS) applied to the left posterior cortex improves language performance in fluent aphasia*. Poster presented at the Neurobiology of Language Conference in San Diego, CA.

**Richardson, J.D.**, Marshall, R.S., & Bothe, A. (2009). *Generalization in individuals with aphasia following introduction of constraint-induced aphasia therapy*. Technical session presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA.

Davidow, J., Bothe, A., **Richardson, J.**, & Andreatta, R. (2009). *Modified vocalization during metronome entrainment in adults who stutter*. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA.

**Richardson, J.**, & Marshall, R. (2008). *Massed practice in aphasia: Necessary, but not sufficient?* Poster presented at the International Neuropsychological Society Meeting, Waikoloa, HI.

Davidow, J.H., Bothe, A.K., Andreatta, R.D., & **Richardson, J.D.** (2008). *A systematic study of modified vocalization during metronome stimulation*. Poster presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

**Richardson, J.D.** & Marshall, R.S. (2008). *Investigating the principles of constraint-induced aphasia therapy: Massed practice*. Technical session presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

Davidow, J., **Richardson, J.**, Bothe, A.K., & Andreatta, R. (2006). *Informing clinical stuttering practice through basic research in neuroplasticity*. Poster presented at the American Speech-Language-Hearing Association Convention, Miami, FL.

#### ***Submitted for conference presentation***

NA

### **Contributed (un-refereed) Abstracts and/or Oral Presentations at Professional Meetings**

**Richardson, J.D.** (2020, November). *Caring for the caregiver*. Presentation at the “Heads up: Be a voice for hope and healing” Brain Injury Alliance of New Mexico conference.

**Richardson, J.D.** (2020, October). *Maximizing support for the caregiver*. Presentation at the “Get back in gear 2020” Brain Injury Alliance of New Mexico conference.

**Richardson, J.D.** (2020). *Activities for cognitive-communication disorder*. Integrative Cognitive Rehab TeleECHO.

**Richardson, J.D.** (2019). *Activities for cognitive-communication disorder*. Integrative Cognitive Rehab TeleECHO.

Dalton, S.G., Tanaka, T., & Richardson, J.D. (2018). *Estimating the impact of assessment and treatment fidelity on aphasia treatment outcomes*. Poster presented at UNMHSC Neuroscience Day, Albuquerque, NM.

Arenas, R.M., **Richardson, J.D.**, Dalton, S.G., & Stewart, H. (2018). *The current state of blinding in tACS research*. Poster presented at UNMHSC Neuroscience Day, Albuquerque, NM.

**Richardson, J.D.** (2018). *Transcranial direct current stimulation and brain injury*. Integrative Cognitive Rehab TeleECHO. <https://www.youtube.com/watch?v=DRZNOarsqxw>

**Richardson, J.D.** (2017). *Outcomes of caregivers of persons with brain injury*. Integrative Cognitive Rehab TeleECHO. <https://www.youtube.com/watch?v=gtAAxC7HbCY>

**Richardson, J.D.** (2017). *Brain injury: Memory (visual emphasis)*. Integrative Cognitive Rehab TeleECHO. [https://www.youtube.com/watch?time\\_continue=1&v=YO1YbhW2BI8](https://www.youtube.com/watch?time_continue=1&v=YO1YbhW2BI8)

**Richardson, J.D.** (2017). *Brain injury: Working memory*. Integrative Cognitive Rehab TeleECHO. <https://www.youtube.com/watch?v=YLaP8HUGkQg>

**Richardson, J.D.** (2017). *Brain injury: Attention and processing speed*. Integrative Cognitive Rehab TeleECHO. <https://www.youtube.com/watch?v=LSJdAxyimtQ>

**Richardson, J.D.** (2017). *Brain injury basics: Traumatic brain injury*. Integrative Cognitive Rehab TeleECHO. <https://www.youtube.com/watch?v=SRkHard1iqg>

Dalton, S.G., Shultz, C., Hillis, A., Henry, M., & Richardson, J.D. (2016). *Describing phonological paraphasias in primary progressive aphasia*. Poster presented at New Mexico Speech-Language-Hearing Association, Albuquerque, NM.

Quevedo-Levesque, G., Dalton, S.G., & Richardson, J.D. (2016). *Broca's aphasia in many languages: A description of discourse*. Poster presented at New Mexico Speech-Language-Hearing Association, Albuquerque, NM.

**Richardson, J.D., Dalton, S.G., & Shultz, C.** (2015). *Assessment fidelity in aphasia treatment studies*. Poster presented at New Mexico Speech-Language-Hearing Association, Albuquerque, NM.

Clasen, S.J., Dalton, S.G., Marshall, R., & Richardson, J.D. (2015). *Change in discourse ability for untrained picture description tasks following intensive aphasia therapy*. Poster presented at New Mexico Speech-Language-Hearing Association, Albuquerque, NM.

Clasen, S.J., Hudspeth, S.G., Marshall, R.S., & Richardson, J.D. (2015). *Change in discourse ability for untrained picture description tasks following intensive aphasia therapy*. Poster presented at the South Carolina Speech-Language-Hearing Association, Myrtle Beach, SC.

Saunders, W.M., Hudspeth, S.G., Carmody, C., & Richardson, J.D. (2015). *The relationship between discourse performance and life participation in persons with aphasia*. Poster presented at the South Carolina Speech-Language-Hearing Association, Myrtle Beach, SC.

Hudspeth, S.G., Dillow, E.P., Campbell, S.L., Williams, A.N., & Richardson, J.D. (2013). *Development of clinician-friendly discourse analysis tools: Main concept analysis*. Poster presented at the South Carolina Speech-Language-Hearing Association, Columbia, SC.

Dillow, E.P., Ford, K., & Richardson, J.D. (2013). *Core verb use in persons with aphasia during Cinderella retelling*. Poster presented at the South Carolina Speech-Language-Hearing Association, Columbia, SC.

Hudspeth, S.G., Dillow, E.P., Campbell, S.L., Williams, A.N., & Richardson, J.D. (2013). *Development of clinician-friendly discourse analysis tools: Main concept analysis*. Poster presented at the South Carolina Speech-Language-Hearing Association, Columbia, SC.

Dillow, E.P., Ford, K., & Richardson, J.D. (2013). *Core verb use in persons with aphasia during Cinderella retelling*. Poster presented at the South Carolina Speech-Language-Hearing Association, Columbia, SC.

## Research

### Research Funding

*Development and dissemination of educational brain injury materials*

Role: PI

State of New Mexico, Governor's Commission on Disability, Brain Injury Advisory Council

Reward period: 11/2020 – 06/2021      Reward amount: \$31,682

*Optimizing targeted interventions for aphasia*

Role: PI

NIH NIDCD, R01

Score – 9%; IC payline – 13%; awaiting budget

Reward period: TBA

Reward amount: TBA

*University of New Mexico (UNM) Center for Brain Recovery and Repair – Renewal (Phase 2)*

Role: Outreach Director (PI: Shuttleworth)

NIH NIGMS, P20

Reward period: 07/2020 – 06/2025      Reward amount: TBA

*Collaboration with Health Extension Rural Offices (HEROs) to develop and disseminate educational brain injury materials*

Role: PI

State of New Mexico, Governor's Commission on Disability, Brain Injury Advisory Council

Reward period: 01/2020 – 06/2020      Reward amount: \$25,000

*Speech and language biomarkers of repeated head trauma in professional fighters*

Role: Co-PI (Co-PI: Amy Neel)

UNM Women in STEM Faculty Development Award

Reward period: 05/2018 – 12/2019      Reward amount: \$15,000

*High-definition transcranial direct current stimulation (HD-tDCS) for sensory deficits in complex traumatic brain injury*

Role: Co-I (PI: Davin Quinn)

Department of the Army – USAMRAA

Reward period: 11/2017-10/2021      Reward amount: \$3.1M

*Optical measurement of cerebral blood flow to investigate the interaction between brain stimulation and task engagement.*

Role: Co-I (PI: Davin Quinn)

BBHI Mini-Grants, University of New Mexico Health Sciences Center

Reward period: 08/2017-06/2018      Reward amount: \$3000

*Optical measurement of cerebral blood flow to investigate the interaction between brain stimulation and task engagement.*

Role: PI

Research Allocations Committee Internal Grant, University of New Mexico

Reward period: 03/2017-09/2018      Reward amount: \$9503

*University of New Mexico (UNM) Center for Brain Recovery and Repair (awarded 07/2015)*  
*Project 5 - Targeted tDCS to enhance treatment outcomes in persons with aphasia (added 09/2016)*  
Role: Co-I (PI: Claude W. Shuttleworth)  
NIH NIGMS P20GM109089  
Reward period: 07/2015-06/2020      Reward amount: 11M (Project 5 – 2.1M)

*Center for the Study of Aphasia Recovery (C-STAR)*  
Role: Consultant (PI: Julius Fridriksson)  
NIH P50 (NIDCD Clinical Research Center Grant)  
Reward period: 04/2016-03/2021      Reward amount: 11M

*m-Eye Lab: Mobile Eyetracking Lab for Research with Special Populations*  
Role: Co-PI (PI: Suzanne Adlof; Co-PI: Jane Roberts)  
ASPIRE-III (Advanced Support Program for Infrastructure in Research Excellence) Internal Grant,  
University of South Carolina  
Reward period: 05/2015 – 11/2016      Reward amount: \$99,956

*Investigating the relationship between non-transcription-based discourse analysis measures and life participation in persons with aphasia*  
Role: PI  
Provost Social Sciences Grant, University of South Carolina  
Reward period: 05/2014 – 06/2015      Reward amount: \$19,995.05

*Advancing Academic-Research Careers (AARC) Award*  
Role: PI  
Reward period: 08/2013 – 05/2015      Reward amount: \$5000

*Establishing main concepts and main events for selected AphasiaBank discourse tasks*  
Role: PI  
Grant proposal to private funding source (The Chapman Foundation)<sup>[SEP]</sup>  
Reward period: 12/2012 – 08/2014      Reward amount: \$12,500<sup>[SEP]</sup>

*Transcranial direct current stimulation during MRI*  
Role: PI  
NIH Extramural Clinical Research Loan Repayment Program - Renewal<sup>[SEP]</sup>  
Reward period: 07/2012 – 06/2013      Repayment amount: \$18,958.38<sup>[SEP]</sup>

*Examining tDCS dosage and task effects using eye movements in reading*  
Role: PI  
SCTR (South Carolina Clinical and Translational Research Institute) Discovery Grant<sup>[SEP]</sup>  
Reward period: 07/2012 – 06/2013      Reward amount: \$47,113<sup>[SEP]</sup>

*MRI Simulator Shared Laboratory*  
Role: Co-I (PIs: Chris Rorden, John Richards)  
ASPIRE-III (Advanced Support Program for Infrastructure in Research Excellence) Internal Grant<sup>[SEP]</sup>  
Reward period: 5/2012 – 8/2013      Reward amount: \$32,990<sup>[SEP]</sup>

*The role of perfusion in aphasia recovery*  
Role: PI  
NIH Extramural Clinical Research Loan Repayment Program<sup>[SEP]</sup>  
Reward period: 07/2010 – 06/2012      Repayment amount: \$39,150.96

### ***Mentored Student Funding (as Mentor/Preceptor)***

*Examining adjuvant effects of tDCS on script-training treatment in aphasia*

Role: Mentor (PI: Sarah Grace Dalton)

LSVT Global Small Student Grant

Reward period: 2017-2019

Reward amount: \$1500

*Students Preparing for Academic-Research Careers (SPARC) Award*

Role: Mentor (Student: Nicole Larsen)

Reward period: 2017-2018

Student research award

Role: Mentor (Student: Gabriela Quevedo-Levesque)

UNM McNair Scholars Program

Reward period: 2016

*Behavioral and neurophysiological outcomes following intensive language action therapy (ILAT) using the WHO-ICF framework*

Role: Preceptor (PI: Sarah Grace Dalton)

American Heart Association Student Scholarship in Cerebrovascular Disease & Stroke

Reward period: 2014

Reward amount: \$2000

Student research award

Role: Mentor (Student: Virginia Payne)

USC Magellan Grant

Reward period: 2013

### **Pending or Submitted Research Funding**

*Speech profiles and cue responsiveness in primary progressive aphasia*

Role: Co-I

NIH NIDCD, R01 administrative supplement – submitted Oct 13, 2020

*Group singing to support social wellbeing and communication in adults with communication disorders: A knowledge generation and mobilization partnership*

Role: Collaborator

SSHRC – Social Sciences and Humanities Research Council of Canada – submitted October 29, 2020

*A sing-along app to improve wellbeing*

Role: Co-PI (Co-PI: Carmi)

NIH NCCIH, R61/R33 – submitted October 2, 2020

### **Not Awarded**

*TBI chronic disease management in rural underserved areas utilizing Project ECHO*

Role: Co-I (PI: Quinn)

NIDILRR – submitted April 10, 2020

*A sing-along app to improve psychosocial wellbeing*

Role: Co-PI (Co-PI: Carmi)

NIH SBIR – submitted May 1, 2020

*A synchronized singing platform to improve social bonding and emotional wellbeing*

Role: Co-PI (Co-PI: Carmi)

NIH NCCIH, R61/R33 – submitted February 28, 2019

*Optimizing targeted interventions for aphasia*

Role: PI

NIH NIDCD, R01 – submitted February 1, 2019

*Advancing the methodological rigor of non-invasive neuromodulation research*

Role: PI

National Institutes of Health, R01 – submitted October 2017

*Targeted electrical stimulation for auditory processing deficits after traumatic brain injury*

Role: Co-I (PI: Davin Quinn)

Department of Defense Medical Research and Development Program (DMRDP) Hearing and Balance Research Award – submitted March 2017

*Measurement of brain activity during working memory tasks paired with brain stimulation*

Role: PI

UNM Women in STEM Faculty Development Award – submitted February 2017

*Real-time measurement of cortical hemodynamics during concurrent brain stimulation and cognitive tasks*

Role: PI

UNM Women in STEM Faculty Development Award – submitted June 2016

*Non-transcription-based discourse analysis for picture description tasks: Development and inter-method reliability*

Role: PI

UNM Research Allocations Committee – submitted February 2016

*Enhancing neural plasticity in aphasia: Pairing non-invasive brain stimulation with intensive speech-language therapy in a clinical rehabilitation setting*

Role: Co-I (PI: Esther Kim)

Canadian Institutes of Health Research – submitted February 2016

*Patient factors, quality of care, and outcomes for persons with aphasia post-stroke: A Get With The Guidelines – Stroke study*

Role: PI

American Heart Association/American Stroke Association Young Investigator Database Research Seed Grant – submitted 2015<sup>[1]</sup><sub>SEP</sub>

*Individual and environmental contributors to life participation of community-dwelling persons with aphasia and their care partners*

Role: Co-PI (Co-PIs: Katarina Haley, Adam Jacks)

National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) – submitted 2015

*Treating Individuals Post Stroke in a Dyad-Based, Technology-Assisted Weight Loss Program*



Role: Co-I (PIs: Delia West, Stacy Fritz)  
AHA Collaborative Sciences Award – submitted 2015

*Using clinical neuroimaging with bedside assessments to improve prognosis of post-stroke outcomes after first and recurrent stroke*

Role: PI  
ASHFoundation New Century Scholars Award – submitted 2014

*Non-transcription-based discourse analysis for picture description tasks: Inter-method reliability*

Role: PI  
ASPIRE-I (Advanced Support Program for Innovation in Research Excellence) Internal Grant – submitted 2014

*Using eyetracking to measure auditory comprehension of discourse*

Role: PI  
American Association of University Women (AAUW), American Fellowships, Summer/Short-Term Research Publication Grant – submitted 2013<sup>[L1]</sup><sub>[SEP]</sub><sup>[L1]</sup><sub>[SEP]</sub>

*Using clinical neuroimaging with bedside assessments to improve prognosis of post-stroke outcomes*

Role: PI  
ASPIRE-II (Advanced Support Program for Integration in Research Excellence) Internal Grant – submitted 2013

*The effect of tDCS on the literacy and literacy-related skills of college students with learning disabilities*

Role: Co-I (PI: Kenn Apel)  
ASPIRE-I (Advanced Support Program for Innovation in Research Excellence) Internal Grant – submitted 2013

*Neural predictors of aphasia recovery*

Role: Co-I (PI: Julius Fridriksson)  
NIH R01 – A type 2 renewal application – submitted 2012

### ***Mentored Student Submissions (as Mentor/Preceptor)***

*Characterization of electrophysiological changes in individuals with chronic stroke-induced deficits*

Role: Sponsor (PI: Sarah Grace Dalton)  
NIH F31 – submitted 2017

*Neural correlates of learning potential*

Role: Mentor (PI: Sarah Grace Dalton)  
CAPCSD/Plural Publishing Grant – submitted 2015

Student research awards

Role: Mentor (Students: Branch, Quevedo-Levesque, Torres)  
Undergraduate Student Research Initiative – submitted 2015

*Neural correlates of learning potential*

Role: Mentor (PI: Sarah Grace Dalton)  
SPARC Graduate Research Grant – submitted 2014

*Predicting treatment response to intensive language action therapy*

Role: Mentor (PI: Sarah Grace Dalton)  
CAPCSD/Plural Publishing Grant – submitted 2014

Student research award

Role: Mentor (Student: Victoria Harlow)  
USC Magellan Grant – submitted 2014<sup>[1]</sup><sub>[SEP]</sub>

## Teaching

### Doctoral Advisement

#### *Doctoral committee chair*

Sarah Grace Hudspeth Dalton, 2013-2019, Linguistics (LING)/Speech and Hearing Sciences (SHS) (UNM), *Using electrophysiology to investigate changes in brain activation in individuals with chronic stroke* (Co-Chair – Holly Jacobson) (student passed with distinction)

#### *Doctoral dissertation committee member*

Mohammed ALHarbi, 2018-present, Rehabilitation Sciences (UK)

Jenn Olejarczyk, 2015-2017, Experimental Psychology (PSYC) (USC), *Time-course of scene search guidance under salience-driven and memory-driven demands* (Chair – Robin Morris)

Kimberly Smith, 2015, Communication Sciences and Disorders (COMD) (USC), *Eye movements of individuals with aphasia during reading and scene viewing* (Chair – Julius Fridriksson)

Denise Peters, 2011-2015, Exercise Science (EXSC) (USC), *Correlation between white matter integrity and upper and lower extremity motor function in chronic stroke* (Chair – Stacy Fritz)

#### *Doctoral comprehensive exams committee member*

William Brixius, 2015, PSYC (USC), *Recruitment of occipital cortex in the absence of phenomenal vision*

Jenn Olejarczyk, 2014-2015, PSYC (USC), *Is oculomotor control synonymous with cognitive control?*

H. Isabel Hubbard, 2012, COMD (USC)

Denise Peters, 2011, EXSC (USC)

### Masters Advisement

#### *Thesis committee chair*

Nicole Castellano, 2021-present, SHS (UNM), in progress

Janet Adams, 2020-present, SHS (UNM), in progress

Eileen Armes, 2019-2020, SHS (UNM), *The relationship between narrative informativeness and activity and participation in chronic stroke-induced aphasia* (student passed with distinction)

Trisha Tanaka, 2016-2017, SHS (UNM), *Estimating the impact of assessment and treatment fidelity on aphasia treatment outcomes*

Elizabeth Young, 2016-2017, SHS (UNM), *Discourse changes following severe TBI: A longitudinal study*

Emily Dillow, 2013, COMD (USC), *Narrative discourse in aphasia: Main concept and core lexicon analyses of the Cinderella story*

### ***Thesis committee member***

Jessica DeSanctis, 2021-present, SHS (UNM), in progress (Chair – Amy Neel)

Sofiya Krasilshchikova, 2019-2010, SHS (UNM), *Speech characteristics of professional fighters* (Chair – Amy Neel)

Jade Bowden, 2018-2019, CSD (UNH), *Macrostructural story grammar analysis of Cinderella narratives in a large non-clinical sample* (Chair – Kathryn Greenslade)

Aaron Padilla, 2016-2017, SHS (UNM), *The impact of dysphagia on quality of life and stigma in Hispanic New Mexicans* (Chair – Phyllis Palmer)

Sheida Abdi, 2015-2017, COMD (USC), *Determining the validity of a web-based, self-rating checklist assessment of vocabulary knowledge* (Chair – Suzanne Adlof)

Rebekah DeGarmo, 2010, COMD (USC), *Do baseline language impairment measures predict anomia treatment outcomes?* (Chair – Julius Fridriksson)

### ***Masters research mentor***

Olivia Catt and Laura Goodrich, 2014-2016, COMD (USC), *Activity levels and lifestyle profiles in caregivers and noncaregivers*, Presented at 2016 COMD Research Festival

Jennifer Nelson and Jordan Patrick, 2014-2016, COMD (USC), *The relationship between action/object naming and discourse in individuals with aphasia*, Presented at 2016 COMD Research Festival

Samantha Clasen, 2013-2014, COMD (USC), *Change in discourse ability for untrained picture description tasks following intensive aphasia therapy*, Presented at 2014 COMD Research Festival, 2015 South Carolina Speech Language Hearing Association

Whitney Saunders, 2013-2014, COMD (USC), *The relationship between discourse performance and life participation in persons with aphasia*, Presented at 2014 COMD Research Festival, 2015 South Carolina Speech Language Hearing Association, 2015 AphasiaAccess Leadership Summit

Sara Mallon and Stephanie Miller, 2013-2014, COMD (USC), *Auditory vigilance and auditory comprehension in persons with aphasia*, Presented at 2014 COMD Research Festival

Monica Davis and Whitney Smith, 2012-2013, COMD (USC), *Main concept production in persons with aphasia: A comparison of subtypes*, Presented at 2013 COMD Research Festival and 2014 Clinical Aphasiology Conference

Sarah Campbell and Nicole Williams, 2012-2013, COMD (USC), *Discourse measures in aphasia and observer ratings of comfort and typicality*, Presented at 2013 COMD Research Festival and 2013 American Speech-Language Hearing Association Convention

Laura Connor and Erin Morrow, 2012, COMD (USC), *Gender and discourse: Is his story different from her story?*, Presented at 2012 COMD Research Festival

Emily Dillow and Katie Ford, 2012, COMD (USC), *Cinderella sweeps, dances, and lives happily ever after: Core verb use in persons with aphasia*, Presented at 2012 COMD Research Festival

Hannah Summer, 2012, COMD (USC), *The effects of low-dosage noninvasive brain stimulation on eye movements during paragraph reading*, Presented at 2012 COMD Research Festival

## **Bachelor's Honors Advisement**

N/A

## **Undergraduate Student Mentoring**

### ***Undergraduate thesis committee member***

Caroline Clark, 2011, PSYC, *Functional MRI naming performance correlates with naming ability in aphasia studies* (Chair – Julius Fridriksson)

### ***Undergraduate research mentor***

Elizabeth Phillips, 2018, Undergraduate Pipeline Network (UPN) scholar, *Feasibility of group script training for individuals with primary progressive aphasia*

Gabriela Quevedo-Levesque, 2016-2017, McNair Scholar, *Broca's aphasia in many languages: A description of discourse*

Caroline Carmody, 2014-2015, post-bac (USC), *Age differences in lexical usage*

Victoria Harlow, 2014-2015, BIOL (USC), *Eye movements during reading tasks*

Zachary Irvin, 2015, EXSC (USC), EXSC 483 External Clinical Research Practicum

Taylor McDonald, 2015, EXSC (USC), EXSC 481/482 External Clinical Research Practicum

Kirby O'Keefe, 2015, EXSC (USC), EXSC 481/482 External Clinical Research Practicum

Lindsay Meredith, 2014, PSYC (Miami University), Two projects: 1) *Are eye-movements during paragraph reading affected by low-dosage transcranial direct current stimulation (tDCS)?* 2) *Learning potential as a predictor of treatment response* (Visiting Scholar, Summer Research Experience in Brain and Cognitive Sciences [SREBCS]) (PSYC)

Project 1 involved preliminary analysis of full set of data presented at 2015 NYC Neuromodulation Conference; Project 2 was used as foundation for manuscript

Virginia Payne, 2013-2014, PSYC, *Health status and life participation changes in the lives of caregivers of persons with aphasia* (Magellan mini-grant)

Catherine Skahen, 2013-2014, Premed (University of South Carolina – Greenville), Recruitment and assessment for study titled *Using Acute Neuroimaging to Predict Outcomes in Stroke*

Emily Graczyk and Taylor Hanayik, 2012, BMEN and PSYC, *Sensation ratings during high-definition transcranial direct current stimulation* (BMEN and PSYC); Poster presented at USC Discovery Day

## **Classroom Teaching**

Spring 2021; SHS 507; Adult Neurogenic Communicative Disorders (graduate)  
Fall 2020; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate)  
Spring 2020; SHS 507; Adult Neurogenic Communicative Disorders (graduate)  
Spring 2020; SHS 458; Preclinical Training (undergraduate and graduate)  
Fall 2019; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate); 58 students  
Spring 2019; SHS 507; Adult Neurogenic Communicative Disorders (graduate); 30 students  
Fall 2018; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate); 65 students  
Spring 2018; SHS 458; Preclinical Training (undergraduate and graduate); 64 students  
Spring 2018; SHS 507; Adult Neurogenic Communicative Disorders (graduate); 32 students  
Fall 2017; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate); 61 students  
Spring 2017; SHS 507; Adult Neurogenic Communicative Disorders (graduate); 28 students  
Fall 2016; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate); 60 students  
Spring 2016; SHS 507; Adult Neurogenic Communicative Disorders (graduate); 25 students  
Fall 2015; SHS 450; Neural Basis of Communicative Disorders (undergraduate and graduate); 51 students  
Spring 2015; COMD 711; Seminar in Speech-Language Pathology (graduate); 9 students  
Fall 2014; COMD 502; Neurocognitive Bases of Language Behavior (graduate); 32 students  
Spring 2014; COMD 711, Seminar in Speech-Language Pathology (graduate); 9 students  
Fall 2013; COMD 502; Neurocognitive Bases of Language Behavior (graduate); 37 students  
Spring 2013; COMD 721, Cognitive Retraining (graduate); 31 students  
Spring 2013; COMD j705, Language Disorders in Adults (distance education; graduate); 34 students  
Spring 2010; COMD j705, Language Disorders in Adults (distance education; graduate); 33 students  
Spring 2010; COMD 705, Language Disorders in Adults (graduate); 41 students  
Spring 2009; CMSD 3110, Speech & Voice Science II (undergraduate); 45 students  
Spring 2008; CMSD 3110, Speech & Voice Science II (undergraduate); 45 students  
Fall 2007; CMSD 4800/6800, Principles of Communication Neuroscience (undergraduate and graduate); 24 students  
Spring 2007; CMSD 3110, Speech & Voice Science II (undergraduate); 49 students  
Fall 2006; CMSD 3010, Speech & Voice Science I (undergraduate); 52 students  
Fall 2005; CMSD 4090/4010, Phonetics (undergraduate); 40 students  
Fall 2004; CMSD 4090/4010, Phonetics (undergraduate); 63 students

### ***Co-teaching/Didactics***

Spring 2021; Division of Physical Medicine and Rehabilitation; 3 lectures – Aphasia Management; Cognitive-Communication Disorder Management; Mild Traumatic Brain Injury and Concussion

Fall 2019; Division of Physical Medicine and Rehabilitation; Stroke and Brain Injury Lectures; 6 students

## **Curriculum Development or Teaching Administrative Positions**

### ***Course Development***

Preclinical Training, SHS 458 (developed and taught Spring 2018)  
Adult Neurogenic Communicative Disorders, SHS 507 (developed and first offered Spring 2016)

Seminar in Speech-Language Pathology, COMD 711 (developed and first offered Spring 2014)  
Neurocognitive Bases of Language Behavior, COMD 502 (developed and first offered Fall 2013)  
Cognitive Retraining, COMD 721 (developed and first offered Spring 2013)  
Phonetics, CMSD 4090 (developed and first offered Fall 2004)  
Addition of dissection (sheep brain) experience to SHS 507, SHS 450, COMD 502, and addition of  
cadaver lab observation to COMD 711.  
Addition of dissection (human brain) experience to SHS 450 (Fall 2019)

## Service

### *Local/Regional clinical services*

Leader/Facilitator, Group for Persons with Primary Progressive Aphasia (Research), Department of Speech and Hearing Sciences, University of New Mexico, 2017-present

Leader/Facilitator, NeuroChoir\*, Department of Speech and Hearing Sciences, University of New Mexico, 2016-present

\*news about NeuroChoir:

1 - <http://kunm.org/post/making-music-neuro-choir>

2 - <https://news.unm.edu/news/stroke-recovery-and-socializing-through-song>

3 - <https://www.krqe.com/news/albuquerque-metro/recovering-from-brain-injury-through-song/1101093646>

4 - [https://www.youtube.com/watch?v=guU\\_uRaFbHI](https://www.youtube.com/watch?v=guU_uRaFbHI)

5 - [https://www.youtube.com/watch?v=Q4\\_0Xd7HNoM](https://www.youtube.com/watch?v=Q4_0Xd7HNoM)

Leader/Facilitator, Groups for Persons with Acquired Neurological Disorders (Research), Department of Speech and Hearing Sciences, University of New Mexico, 2016-present

Advisor, Post-Stroke Communication Group, Department of Speech and Hearing Sciences, University of New Mexico, 2015-2018

Leader/Facilitator, Aphasia Communication Group, Tuomey Healthcare System/University of South Carolina, 2014-2015

Consultant, The University of Georgia Summer Comprehensive Aphasia Rehabilitation Education (CARE Dawgs) Program, June 2014, June 2015

Facilitator, Stroke Recovery Groups, The University of South Carolina, 2011 – 2013

### *Local/Regional community services and relations*

Member, NM Chronic Disease Prevention Council, Heart Disease and Stroke Workgroup, 2020-present

Member, New Mexico Brain Network, 2015-2020 (Strategic Planning 2016-2018)

Tier I judge for the 60<sup>th</sup> Georgia Science and Engineering Fair, April 2008

### *Presentations*

NM Chronic Disease Prevention Council, Heart Disease and Stroke Workgroup (2021, Mar). *CDPC Lunch and Learn part 2 – Survivor Stories*. (moderators: **J.D. Richardson** and J. Martinez)  
<https://www.youtube.com/watch?v=Nhv18Maaa-k>

**Richardson, J.D.** (2020, Dec). *Aging, hearing, and communication*. Presentation at the Albuquerque Oasis. (\*double entry – listed also for Contributed Presentations)

**Richardson, J.D.** (2020, Nov). *Caring for the caregiver*. Presentation at the “Heads up: Be a voice for hope and healing” Brain Injury Alliance of New Mexico conference. (\*double entry – listed also for Contributed Presentations)



**Richardson, J.D.** (2020, Oct). *Maximizing support for the caregiver*. Presentation at the “Get back in gear 2020” Brain Injury Alliance of New Mexico conference.

**Richardson, J.D.** (2019, Sep). *Stimulating conversation in aphasia*. Presentation to the University of New Mexico Board of Regents.

**Richardson, J.D.** (2019, Sep). *Stimulating conversation in aphasia*. Presentation to the University of New Mexico Board of Regents Academic/Student Affairs and Research (ASAR) Committee.

**Richardson, J.D.** (2018, Oct). *Research basics for potential participants*. Presentation for New Mexico Brain Network.

**Richardson, J.D.** (2018, Jul). *Caring for the care partner*. Presentation to Presbyterian Senior Connection.

**Richardson, J.D.** (2018, May). *Communicating with persons with cognitive and communication impairment*. Presentation to Sandia Presbyterian Church.

**Richardson, J.D.** (2018, February). *How your brain talks to itself: Connectivity counts!* Invited presentation for the New Mexico Brain Bee, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2017, Oct). *Aging, Communication, and Brain Injury*. Presentation to Presbyterian Senior Connection.

**Richardson, J.D.** (2017, Sep). *Aging, hearing, and communication*. Presentation at the Albuquerque Oasis.

**Richardson, J.D.** (2017, Feb). *Aphasia and related speech-language disorders*. UNMHSC Medical School, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2017, Feb). *Measuring the target engagement of adjuvant brain stimulation in persons with aphasia*. UNMHSC Neurology Grand Rounds, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2016, Oct). *Tips for self-care for caregivers*. Invited presentation for New Mexico Brain Injury Alliance Annual Conference, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2016, Feb). *Communicating effectively with adults with communication disorders*. Presentation to Albuquerque Civitan.

**Richardson, J.D.** (2015, Oct). *Investigating ways to maximize recovery potential in adults with brain injury*. Invited presentation for Southwest Conference on Disability, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2015, Aug). *Maximizing recovery potential after brain injury*. Invited presentation for New Mexico Brain Network, Albuquerque, NM. (\*double entry – listed also in Invited Lectures/Presentations)

**Richardson, J.D.** (2014, Feb). *Communicating effectively with adults with communication disorders*. Presentation to Columbia Rotary Club.

**Richardson, J.D.** (2013, Feb). *How to communicate effectively with adults with communication disorders*. Training session for Adult Protective Services caseworkers (organized by SC Department of Social Services and USC Center for Child and Family Studies).

### ***Department Committees***

Chair (UNM), Comprehensive Exams, 2019-present  
Member (UNM), Social Media Committee, 2019-present  
Member (UNM), Assessment Committee, 2019-present  
Member (UNM), Admissions, 2019-present  
Member (UNM), Comprehensive Exams, 2016-2019  
Member/Co-Chair (UNM), Graduation Committee, 2018-2019  
Member (UNM), Social Event Committee, 2018-2019  
Co-Chair (UNM), Ph.D. program planning working group, 2016-present  
Department photographer (UNM), 2016-present  
Member (UNM), Ph.D. program planning working group, 2015-2016  
Member (UNM), Library Liason, 2015-2018  
Member (USC), IPE Committee, 2013-2015  
Member (USC), PhD Committee, 2012-2015  
Member (USC), Computer Committee, 2012-2013  
Member (USC), Admissions, 2012-2013  
Member (UGA), Search Committee for Assistant Professor, 2007

### ***School Committee***

Member (USC), Information Technology and Resources, 2013-2015

### ***University Committee***

Member (USC), Inter-professional education (IPE) Committee, 2014-2015

### ***Professional Committees***

Member, FoQUSAphasia, 2020-present  
Co-Chair (with Adam Jacks), Research Advisory Committee for Triangle Aphasia Project, 2013-present  
Co-Program Chair (with Katarina Haley), AphasiaAccess 2017  
Member, Topic Committee for IPE/IPP, 2016 Annual Convention of the American Speech-Language-Hearing Association  
Member, AphasiaAccess Academic Curricula Working Group, 2015-present  
Member, Program Committee for Speech Science, 2006 Annual Convention of the American Speech-Language-Hearing Association

### ***Professional/Scholarly Service***

Invited Presenter, FoQUSAphasia, 2021  
CEU Committee Co-Chair, Clinical Aphasiology Conference, 2019-present

Invited Issue Editor – *Seminars in Speech and Language*, 2019-2020  
 Invited Session Moderator, “Cellular Mechanisms and Outcomes of tDCS”, NYC Neuromodulation Conference and NANS Summer Series, 2018  
 Invited Session Judge, “NYC Neuromodulation Fast-Presentation Competition for Emerging Scientists – Part 1”, NYC Neuromodulation 2020 Online Conference.  
 Presenter, Integrative Cognitive Rehabilitation TeleECHO, 2018-present  
 Presenter/Organizer, Integrative Cognitive Rehabilitation TeleECHO, 2017-2018  
 Associate Editor - *Journal of Speech, Language, and Hearing Research*, 2013-2016  
 Review Editor - *Frontiers in Neurology*, Editorial Board of Stroke (specialty section), 2018-present  
 Invited Associate Editor - *American Journal of Speech-Language Pathology*, 2014, 2015  
 Invited Reviewer - Journal  
     *ASHA Perspectives Special Interest Division 5: Speech Science and Orofacial Disorders*, 2008  
     *American Journal of Speech-Language Pathology*, 2011, 2014, 2015, 2016, 2017  
     *Aphasiology*, 2010, 2013, 2015, 2016, 2018, 2019, 2021  
     *Brain Stimulation*, 2014, 2016, 2018  
     *Brain and Language*, 2012, 2013, 2014  
     *Disability and Rehabilitation*, 2012  
     *Journal of Communication Disorders*, 2017, 2018  
     *Language and Speech*, 2015  
     *Neurobiology of Language*, 2021  
     *Neurocase*, 2012  
     *Seminars in Speech and Language*, 2019  
 Invited Reviewer - Grant  
     NSERC Biological Systems and Functions, 2014-2015  
     Mountain West Clinical and Translational Research – Infrastructure Network (CTR-IN), 2016  
 Invited Reviewer – Conference Abstracts  
     NYC Neuromodulation Conference and NANS Summer Series Meeting, 2018  
     ASHA Convention, Interprofessional Education/Interprofessional Practice (IPE/IPP), 2016  
 Mentor – Clinical Aphasiology Conference Steering Committee Junior Mentor, 2016

### ***Professional Affiliations***

Academy of Neurologic Communication Disorders & Sciences  
 American Heart Association/American Stroke Association  
 American Speech-Language-Hearing Association  
 AphasiaAccess  
 FoQUS Aphasia  
 National Institutes for Health Loan Repayment Program Ambassador Network  
 Society for the Neurobiology of Language  
 Triangle Aphasia Project