

Natalie Gilmore, M.S., CCC-SLP

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635 Commonwealth Avenue, Boston, MA

EDUCATION

- 2015 – present **Ph.D. in Speech, Language, & Hearing Sciences**
Boston University – Boston, MA
Dissertation: Behavioral and Neural Effects of Intensive Cognitive and Communication Rehabilitation in Young College-Bound Adults with Acquired Brain Injury (ABI)
- 2006 – 2009 **M.S. in Medical Speech-Language Pathology**
University of Washington – Seattle, WA
- 2002 – 2006 **B.A. in Communication Sciences & Disorders**
University of Pittsburgh – Pittsburgh, PA

RESEARCH EXPERIENCE

- 2021 – present **Lab for NeuroImaging of Coma and Consciousness, Massachusetts General Hospital**
Boston, MA
Research Fellow
PI: Brian L. Edlow, M.D.
- 2019 – 2021 **Boston University Aphasia Research Laboratory**
Boston, MA
Graduate Research Assistant
PI: Swathi Kiran, Ph.D., CCC-SLP
- 2013 – 2015 **Language and Aphasia Laboratory, Moss Rehabilitation Research Institute (MRR)**
Philadelphia, PA
Volunteer Research Assistant
PI: Myrna Schwartz, Ph.D.
- 2008 – 2009 **Program for Intensive Residential Aphasia Treatment & Education (PIRATE), VA Pittsburgh Healthcare System**
Pittsburgh, PA
Research Clinical Fellow
PI: Patrick Doyle, Ph.D.
- Spring 2005 **Learning and Development Research Center (LDRC)**
Undergraduate Research Assistant
Pittsburgh, PA
PI: Gwen Frishkoff, Ph.D.

GRANTS & AWARDS

2019 – 2021	NIH Ruth L. Kirschstein National Research Service Award F31 Grant (PI): F31DC017892 <i>Title: Behavioral and Neural Effects of Intensive Cognitive-Communication Rehabilitation in Young College-Bound Adults with Acquired Brain Injury</i>
2020	American Speech-Language-Hearing Association's (ASHA) "Lessons for Success" Conference Fellow
2020	NIH/NIDCD Young Investigator Travel Fellowship for the 58 th Annual Academy of Aphasia Conference
2019	New Century Scholars Doctoral Scholarship from the ASHFoundation
2019	NIH/NIDCD Research Symposium in Clinical Aphasiology Student Fellowship for the 49 th Annual Clinical Aphasiology Conference
2018	Student Scholar Award for the 13 th Eleanor M. Saffran Conference
2017	NIH/NIDCD Research Symposium in Clinical Aphasiology Student Fellowship for the 47 th Annual Clinical Aphasiology Conference
2016 – 2018	NIH/NIDCD Advanced Research Training In Communication Sciences and Disorders T32 Trainee (T32DC013017; PI: Moore)

PUBLICATIONS († = joint first authors)

Published Papers:

- Gilmore, N., Katz, D.I., Kiran, S. (2021).** Acquired Brain Injury: Pathophysiology, Recovery, and Rehabilitation. *Perspectives of the ASHA Special Interest Groups*.
- Gilmore, N., Meier, E.L., Johnson, J.P., & Kiran, S. (2019).** Nonlinguistic Cognitive Factors Predict Treatment-Induced Recovery in Chronic Poststroke Aphasia. *Archives of Physical Medicine and Rehabilitation, 100(7)*, 1251-1258. doi:10.1016/j.apmr.2018.12.024.
- Gilmore, N., Dwyer, M. & Kiran, S. (2019).** Benchmarks of significant change after post-stroke language rehabilitation. *Archives of Physical Medicine and Rehabilitation, 100(6)*, 1131-1139. doi:10.1016/j.apmr.2018.08.177.
- Gilmore, N., Ross, K., & Kiran, S. (2019).** The Intensive Cognitive-Communication Rehabilitation (ICCR) Program for Young Adults with Acquired Brain Injury (ABI). *American Journal of Speech-Language Pathology, 28(1S)*, 341-358. doi:10.1044/2018_AJSLP-17-0153.
- Gilmore, N., Meier, E.L., Johnson, J.P., & Kiran, S. (2018).** Typicality-based semantic treatment for anomia results in multiple levels of generalization. *Neuropsychological Rehabilitation*. Advance online publication. doi:10.1080/09602011.2018.1499533.

In Press:

Gilmore, N.†, Braun, E.J.†, & Kiran, S. (2019). Neurology, Connectivity and Aphasia. In Coppins (Ed.), *Aphasia and related neurogenic communication disorder*. Burlington, MA: Jones & Bartlett Learning.

In Revision:

Gilbert, C., Mooradian, G., Citorik, A., **Gilmore, N.** & Kiran, S. (2020) Multi-level treatment outcomes for young adults with acquired brain injury following intensive, integrated CR situated within a college semester context. *Brain Injury*.

Under Review:

Gilmore, N. Mirman, D. & Kiran, S. (2021). Young Adults with Acquired Brain Injury Show Longitudinal Improvements in Cognition After Intensive Cognitive Rehabilitation. *Journal of Speech, Language, and Hearing Research*.

Gilmore, N. Yücel, M.A., Li, X., Boas, D.A., & Kiran, S. (2021). Investigating language and domain-general processing in neurotypicals and individuals with aphasia — a functional near-infrared spectroscopy feasibility study. *Frontiers in Human Neuroscience*

INVITED TALKS (* = presenting author)

Gilmore, N.* & Kiran, S. (2019, November). *Reframing the Continuum of Care for Young Adults with Acquired Brain Injury*. Invited presentation for The Learning Lab Speaker Series, The Learning Corp, Newton, MA, USA.

ORAL PRESENTATIONS (* = presenting author)

Gilmore, N.*, Scimeca, M., Griffin, J., Off, C.A., & Kiran, S. (2021, September). *Telerehabilitation for Acquired Brain Injury: Evidence and Insights From Three Unique Cognitive-Linguistic Treatments During the COVID-19 Pandemic*. Symposium presentation at the 2021 American Congress of Rehabilitation Medicine (ACRM) 98th Annual Conference. Dallas, TX, USA.

Gilmore, N.,* Li, X., Yücel, M.A. & Kiran, S. (2020, February). *Examining the neural substrates of language and cognitive processing in young adults with acquired brain injury using functional near-infrared spectroscopy*. Oral presentation at ABI2020 15th Annual Conference on Brain Injury. New Orleans, LA, USA.

Gilmore, N.,* Foo, L. & Kiran, S. (2019, November). *Reframing the Continuum of Care for Young Adults with Acquired Brain Injury*. Oral presentation at 2019 American Speech-Language Hearing Association Convention. Boston, MA, USA.

Foo, L.,* **Gilmore, N.** & Kiran, S. (2019, April). *Reshaping Cognitive-Linguistic Rehab for Young Adults with Acquired Brain injury (ABI)*. Oral presentation at the 2019 MIT BrainTrust Symposium. Cambridge, MA, USA.

Gilmore, N.,* Foo, L, & Kiran, S. (2019, May). *A Ramp to College: Intensive Cognitive-Communication Rehabilitation (ICCR) for Young Adults with Acquired Brain Injury*. Oral

presentation at the Brain Injury Association of New Hampshire 36th Annual Brain Injury & Stroke Conference. Concord, NH, USA.

Antonucci, S.* & **Gilmore, N.*** (2019, May). *Do aphasia core outcome sets require core analysis sets: Where do we go from here in single subject design research?* Round table presentation at the 2019 Clinical Aphasiology Conference. Whitefish, Montana, USA.

Foo, L.,* **Gilmore, N.**, & Kiran, S. (2018, November) *Intensive-Cognitive Communication Rehabilitation (ICCR) for Young Adults with Acquired Brain Injury (ABI)*. Oral presentation at 2018 American Speech-Language Hearing Association (ASHA) Convention. Boston, MA, USA.

Gilmore, N.,* Foo, L., & Kiran, S. (2018, October) *Filling the Gap: Cognitive Rehab for College-Bound Young Adults with Brain Injury*. Oral presentation at the Brain Injury Association of Vermont Annual Brain Injury Conference. Waterbury, VT.

Gilmore, N.,* Johnson, J.P., Meier, E.L., & Kiran, S. (2018, September) *Investigating the relationship between language and cognition in persons with aphasia as a function of semantic-based naming therapy*. Oral presentation at the 2018 International Aphasia Rehabilitation Conference. Aveiro, Portugal.

Gilmore, N.,* Foo, L., & Kiran, S. (2018, June). *Effects of Intensive Cognitive-Communication Rehabilitation In Young Adults With Acquired Brain Injury*. Oral presentation at the 4th Annual Interagency Conference on Traumatic Brain Injury. Washington, DC, USA.

Gilmore, N.,* Foo, Lindsey, & Kiran (2018, February) *Successful Cognitive-Communication Rehabilitation for Young Adults with Acquired Brain Injury*. Oral presentation at the Brain Injury Association of Massachusetts 27th Annual Brain Injury Conference. Marlborough, MA.

Johnson, J.P.,* Des Roches, C., Meier, E.L., **Gilmore, N.** & Kiran, S. (2017, November). *The multidimensional nature of aphasia: Predicting and documenting treatment outcomes with linguistic and cognitive measures*. Oral presentation at the 2017 American Speech-Language Hearing Association (ASHA) Convention. Los Angeles, CA, USA.

Gilmore, N.,* Johnson, J.P., Meier, E.L., Des Roches, C. & Kiran, S. (2017, November). *The multidimensional nature of aphasia: Using factors beyond language to predict treatment outcomes*. Oral presentation at the Academy of Aphasia 55th Annual Meeting. Baltimore, Maryland, USA.

Johnson, J.P.,* Meier, E.L., **Gilmore, N.**, Des Roches, C., Kiran, S. (2017, October). *Predicting gains from aphasia rehabilitation using measures of language and cognition*. Oral presentation at the American Congress of Rehabilitation Medicine (ACRM) 94th Annual Conference. Atlanta, Georgia, USA.

Ross, K.,* Ross, N., **Gilmore, N.**, Des Roches, C. & Kiran, S. (2017, May). *The Intensive Cognitive-Communication Rehabilitation (ICCR) Program for Young Adults with Acquired Brain Injury*. Oral presentation at the Clinical Aphasiology Conference (CAC) 47th Annual Conference. Salt Lake City, Utah, USA.

Gilmore, N.,* Johnson, J.P., Meier, E.L., Cardullo, S., & Kiran, S. (2017, May). *Treatment and generalization effects of training atypical exemplars of semantic categories for patients with chronic aphasia*. Oral presentation at Communication Sciences Research Day. Boston, Massachusetts, USA.

Gilmore, N.,* Johnson, J.P., Meier, E.L., Cardullo, S., & Kiran, S. (2017, April). *The Multidimensional Nature of Aphasia: Using Factors beyond Language to Predict Treatment Outcomes*. Lightning talk presentation at the Aphasia Research Laboratory Symposium. Boston, Massachusetts, USA.

Gilmore, N.,* Johnson, J.P., Meier, E.L., Cardullo, S., & Kiran, S. (2016, December). *Treatment and generalization effects of training atypical exemplars of well-defined categories for patients with chronic aphasia*. Oral presentation at the 2016 International Aphasia Rehabilitation Conference. London, England, UK.

Gilmore, N.,* Dwyer, M. & Kiran, S. (2016, December). *A systematic review of outcome measures utilized in aphasia treatment research, including a meta-analysis*. Lightning talk presentation at the 2016 International Aphasia Rehabilitation Conference. London, England, UK.

POSTER PRESENTATIONS (* = presenting author)

Gilmore, N.,* Yücel, M.A., Boas, D.A., & Kiran, S. (2021, June). *Language and domain-general cognition in healthy and post-stroke individuals - an fNIRS study*. Poster presentation at the 27th Annual Meeting of the Organization for Human Brain Mapping. (held virtually).

Gilmore, N.,* Yücel, M.A. & Kiran, S. (2020, October). *Investigating language and cognitive processing in healthy and neurologically-impaired individuals using functional near-infrared spectroscopy (fNIRS)*. Poster presentation at the Academy of Aphasia 58th Annual Meeting. Philadelphia, PA, USA (held virtually).

Gilmore, N.,* Mirman, D. & Kiran, S. (2020, October). *Young Adults Show Significant Gains in Specific Cognitive-Linguistic Domains Important for College Success Following Intensive Cognitive and Communication Rehabilitation Program*. Poster presentation at the 2020 American Congress of Rehabilitation Medicine (ACRM) 97th Annual Conference. Atlanta, Georgia, USA (held virtually).

Gilmore, N.,* Yücel, M.A. & Kiran, S. (2020, May). *Examining language and cognitive processing and recovery: a novel approach using functional near-infrared spectroscopy*. Poster presentation at the Clinical Aphasiology Conference. Honolulu, HI, USA (canceled).

- Gilmore, N.,*** Li, X., Yücel, M.A., Kiran, S., & Boas, D.A. (2020, January). *Investigating the Neural Bases of Language and Cognitive Processing in Healthy Adults Using Functional Near-Infrared Spectroscopy*. Poster presentation at Neurophotonics Center's 3rd Annual Symposium. Boston, MA, USA.
- Gilmore, N.*** & Kiran, S. (2019, October). *Novel, Academically-Focused Cognitive Rehabilitation Program Provides a Ramp to College Success for Young Adults with Acquired Brain Injury*. Poster presentation at 2019 American Society of Neurorehabilitation Annual Meeting. Chicago, IL, USA.
- Gilmore, N.,*** Foo, L., & Kiran, S. (2019, May). *Academically-focused cognitive rehabilitation supports cognitive-linguistic recovery in college-bound adults with brain injury*. Poster presentation at the 2019 Clinical Aphasiology Conference. Whitefish, Montana, USA.
- Gilmore, N.,*** Foo, L., & Kiran, S. (2018, September) *Intensive Cognitive-Communication Rehabilitation for College-bound Young Adults with Brain Injury*. Poster presentation at the 2018 International Aphasia Rehabilitation Conference. Aveiro, Portugal.
- Gilmore, N.,*** Meier, E.L., Johnson, J.P. & Kiran, S. (2018, March). *Baseline semantic processing skills are important for typicality-based naming therapy outcomes*. Poster presentation at the Cognitive Neuroscience Society. Boston, MA.
- Gilmore, N.,*** Dwyer, M. & Kiran, S. (2017, October). *A Systematic Review of Standardized Outcome Measures Used in Aphasia Rehabilitation, Including Meta-analyses*. Poster presentation at the American Congress of Rehabilitation Medicine (ACRM) 94th Annual Conference. Atlanta, Georgia, USA.
- Ross, N., Ross, K., **Gilmore, N.,*** Des Roches, C. & Kiran, S. (2017, October). *Intensive Cognitive Communication Rehabilitation (ICCR) Program for Young Adults With Acquired Brain Injury*. Poster presentation at the American Congress of Rehabilitation Medicine (ACRM) 94th Annual Conference. Atlanta, Georgia, USA.
- Gilmore, N.,*** Johnson, J.P., Meier, E.L., Cardullo, S., & Kiran, S. (2017, May). *Treatment and generalization effects of training atypical exemplars of semantic categories for patients with chronic aphasia*. Poster presentation at the 2017 Clinical Aphasiology Conference. Salt Lake City, Utah, USA.
- Ross, N.,* Ross, K., **Gilmore, N.,** Des Roches, C. & Kiran, S. (2017, March). *A Novel Approach to Intensive Cognitive-Communication Rehabilitation for Young Adults with Acquired Brain Injury*. Poster presentation at the 12th World Congress on Brain Injury. New Orleans, Louisiana, USA.

TEACHING & MENTORING EXPERIENCE

Fall 2018

Co-Instructor

BU Speech, Language & Hearing Sciences – Boston, MA

- SAR SH 756 Cognition and Neural Bases
- 2016 – present **Undergraduate Research Mentor**
BU Aphasia Research Laboratory – Boston, MA
- 2016 – 2018 **Clinical Fellowship Supervisor**
BU ICCR program, PI: Swathi Kiran – Boston, MA
- 2013 – 2019 **Clinical Supervisor**
BU ICCR program, PI: Swathi Kiran – Boston, MA
Moss Rehab Outpatient Center – Philadelphia, PA

SERVICE & RELATED ACTIVITIES

- 2020 – present Reviewer, *Journal of Speech, Language, & Hearing Sciences*
- 2020 – present Member, Society for Functional Near-Infrared Spectroscopy (SfNIRS)
- 2019 – present Member, Twitter Dissemination Team, Working Group 6: Cognition in Aphasia, Collaboration of Aphasia Trialists
- 2018 – present Member, Cognitive Neuroscience Society (CNS)
- 2017 – present Member, Co-Chair of Aphasia & Other Communication Disorders Task Force (Fall 2021) American Congress of Rehabilitation Medicine (ACRM)
- 2009 – present Member, American Speech-Language-Hearing Association (ASHA)
- 2009 – present Member, ASHA Special Interest Group 2: Neurogenic Communication Disorders

RELEVANT EMPLOYMENT HISTORY

- 2015 – 2009 **Speech-Language Pathologist**
MossRehab – Philadelphia, PA
- 2008 – 2009 **Clinical Fellow Speech-Language Pathologist**
VA Pittsburgh HealthCare System – Pittsburgh, PA

LICENSES AND CERTIFICATIONS

- 2015 – present **Speech Language Pathologist – Massachusetts**
- 2009 – 2016 **Speech Language-Pathologist – Pennsylvania**