

SWATHI KIRAN

James and Cecilia Tse Ying Professor of Neurorehabilitation
Founding Director, Center for Brain Recovery

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EDUCATION

2001	Ph.D.	Northwestern University	(Speech Language Pathology)
1998	M.A	Northwestern University	(Speech Language Pathology)
1995	B. Sc.	All India Institute of Speech & Hearing	(Speech Path /Audiology)

APPOINTMENTS

2022- present	Founding Director, Center for Brain Recovery
2020- 2024	Director, Strategic Planning Implementation, Office of the Provost
2020- present	Scientific Advisor, Co-Founder, Constant Therapy Health
2018- 2022	Associate Dean for Research, Sargent College of Health and Rehabilitation Sciences, Boston University
2020- 2024	Steering Committee, Hariri Institute of Computing and Computational Sciences, Boston University
2020- present	Member, Faculty for Computing and Data Sciences, Boston University
2018- present	Faculty, Boston University Neurophotonics Center (NPC)
2017- 2020	Consultant, The Learning Corporation (FKA Constant Therapy)
2016- 2020	Faculty, Hariri Institute of Computing and Computational Sciences, Boston University
2016-2018	Faculty, CRESCENT, Boston University
2014-present	Professor, Department of Speech, Language, and Hearing Sciences, Boston University Sargent College of Health Sciences
2014-present	Faculty, Center for Systems Neuroscience, Boston University
2012-2017	Co-Founder, Chief Scientific Advisor, Constant Therapy
2010-present	Faculty, Joint Programmatic Appointment, Undergraduate Program in Neuroscience, Boston University
2009-present	Member, Graduate Program in Neuroscience, Boston University
2009-present	Research Director, Aphasia Resource Center, Boston University
2009-present	Massachusetts General Hospital, Assistant in Neuroscience/Neurology
2009 -2013	Associate Professor, Department of Speech, Language, and Hearing Sciences, Boston University Sargent College of Health Sciences
2009-2011	Adjunct Associate Professor, Department of Communication Sciences and Disorders, University of Texas at Austin
2003-2008	Member, Institute for Neuroscience, University of Texas at Austin

2008	Associate Professor, Department of Communication Sciences and Disorders, University of Texas at Austin
2002-2008	Assistant Professor, Department of Communication Sciences and Disorders, University of Texas at Austin
2001- 2002	Clinical Fellow, Healthsouth Rehabilitation Hospital, Austin
2001	Clinical Fellow, Advanced Therapy and Rehabilitation, Bloomingdale, IL.

HONOR AND AWARDS

2025	Chandrasekhar Institute Of Speech and Hearing Invited Speaker and Travel Fellow
2024	Honors, American Speech Language and Hearing Association
2019- present	James and Cecilia Tse Ying Professor of Neurorehabilitation
2015	Invited Attendee, White House Initiative on Precision Medicine
2013	Fellow, American Speech Language and Hearing Association
2013	Thomas McMahon Mentoring Award. Honorable Mention. Harvard-MIT Health Sciences and Technology Program.
2012	Faculty Mentor, ASHA Clinical Practice Research Institute (CPRI)
2010	Nomination for 2011 Callier Prize in Communication Disorders
2010	Deans Research Award
2009	Mentor, Advancement of Academic and Research Career Award(AARC), American Speech Language and Hearing Association, Mentee: Naomi Hashimoto
2008	Best Research Paper Award, College of Communication, University of Texas at Austin
2008	Reddick Award, University of Texas at Austin
2007	Mentor, Advancement of Academic and Research Career Award (AARC), American Speech Language and Hearing Association, Mentee: Sharon Antonucci.
2005	Advancement of Academic and Research Career Award (AARC), American Speech Language and Hearing Association.
2003	Dean's Fellowship, University of Texas at Austin

PROFESSIONAL ACTIVITIES

International:

2022-present	Associate Editor, <i>Nature Scientific Reports</i>
2021-present	Section Editor, <i>Cortex</i>
2020-2023	Chair, Board of Governors, Academy of Aphasia
2020-present	Section Editor, <i>Neuropsychologia</i>
2019-present	Associate Editor, <i>Brain and Language</i>
2018-2020	Board of Governors, Academy of Aphasia
2018	Conference Chair, Clinical Aphasiology Conference
2018	Associate Editor, <i>Frontiers In Neurology: Stroke</i>
2017	Program Chair, Clinical Aphasiology Conference
2017	Reviewer, Human Brain Mapping Conference
2017	Grant reviewer, Wellcome Trust

2016	Program Chair, Academy of Aphasia Annual Conference
2016	Special Topics Editor, <i>Frontiers in Human Neuroscience</i>
2016	Special Topics Editor, <i>Neural Plasticity</i>
2016- present	Review Editor, <i>Frontiers in Psychology: Cognition</i>
2016- present	Editorial Board, <i>Bilingualism Language and Cognition</i>
2015	Reviewer, Human Brain Mapping Conference
2014- 2017	Editorial Board, <i>Journal of Neurolinguistics</i>
<i>National:</i>	
2025-present	Strategic Committee Member, Audacious Disability Innovation Program, King Salman Center for Disability Research, Saudi Arabia
2024-present	Advisory Council Member, National Institutes of Deafness and other Communicative Disorders
2024-present	VP, Program Development, American Speech Language and Hearing Foundation
2022 -2024	Board of Trustees, American Speech Language and Hearing Foundation
2020-present	Board Member, Research Committee, National Aphasia Association
2019-2023	Standing Member, NIH LCOM panel
2019-2022	Committee Member, ASHA Lessons for Success Conference
2017	Organizer, <i>Aphasia and Language Recovery Symposium</i> . Boston University, CRESCENT, Hariri Institute of Computing and Computational Sciences
2017	Chairperson, NIDCD VSL Special Emphasis Panel
2016- present	Ad-hoc member, VA Merit Review Panel, NIH F01B, LCOM, CDRC panels
2016- 2019	Faculty Mentor, ASHA Lessons for Success Conference
2015- 2019	Member, Research and Education Committee, Aphasia Access
2011-2015	Standing Member, NIH/NIDCD CDRC review panel
2014-2015	Member, Strategic Planning Committee for ASHA Journals Program.
2011- Present	Member, Organizing Committee, <i>NIDCD R13 DC006295: Research Symposium in Clinical Aphasiology</i>
2014	Reviewer, ASHA Grantsmanship and Reviewer Training Program. Organized by American Speech Language and Hearing Association and American Speech Language Foundation.
2010-2017	Associate Editor: <i>Language, Journal of Speech Language and Hearing Research</i>
2011-2014	Editor, <i>AJSLP Clinical Aphasiology Conference</i> Special Issue
2013	Reviewer, American Speech Language and Hearing Foundation: <i>New Investigator and New Century Scholars Grant Program</i>
2009-2011	Committee Member, Research & Scientific Affairs, American Speech Language and Hearing Association

2009-2011	Faculty Mentor, Fourth Annual ‘Lessons for Success: Developing the Emerging Scientist.’ American Speech Language and Hearing Association.
2010	Reviewer, American Heart Association, Brain and Clinical Sciences Division
2010	Ad hoc reviewer, NIH – LCOM review panel
2009	Reviewer, American Speech Language and Hearing Foundation: <i>New Investigator and New Century Scholars Grant Program</i>
2009	Ad hoc reviewer, NIDCD Special Emphasis Panel
2008	Reviewer, Cognitive Science Society (2008)
2006	ASHA Grantsmanship and Reviewer Training Program. Organized by American Speech Language and Hearing Association and American Speech Language Foundation. Total participants 15.
2007	Program Committee, Clinical Aphasiology Conference (2008)
2006	Reviewer, American Speech Language and Hearing Foundation: <i>New Investigator and New Century Scholars Grant Program</i>
2006	Program Committee, Adult Language Disorders, ASHA Convention
2006	Guest Editor, American Speech Language and Hearing Association: Special Interest Division 2: Perspectives
2005	Program Committee, Adult Language Disorders, ASHA Convention
2004	Reviewer, <i>Retirement Research Foundation</i>
2003	Action Editor, Aphasiology- Clinical Aphasiology Conference Special Issue
1999-2003	Vice-President, Asian Indian Caucus, American Speech-Language and Hearing Association

Reviewer for National and International Journals- *Aphasiology, American Journal of Medical Speech Pathology, American Journal of Speech Language Pathology, Brain, Brain and Language, Bilingualism, Language and Cognition, Neuroimage, Cognition, Cortex, Cognitive Neuropsychology, Journal of Neurolinguistics, Journal of Speech Language and Hearing Research, Neurocase, Neuroimage, Neuropsychological Rehabilitation.*

University Level:

2020	SIG Lead, Boston University Strategic Planning Implementation Group
2020-2022	Chair, University Tenure and Promotion Committee
2020	Associate Chair, Conflicts of Interest Committee, Boston University
2019	Member, College of Arts and Sciences Dean Search Committee
2018	Member, Boston University Strategic Planning Committee
2018	Member, Conflicts of Interest Committee, Boston University
2015-17	Chair, University Tenure and Promotion Committee
2015-2022	Member, University Research Council
2014	Member, University Tenure and Promotion Committee
2013	Member, Dean’s Search Committee, Sargent College

2010	Member, Search Committee, Department of Speech and Hearing sciences
2012, 2009	Member, Graduate Education Committee, Sargent College
2010, 2009	Chair, Adult Comprehensive Exam Committee, SLHS
2009	Chair, Speech and Hearing Senior Faculty Search Committee

GRANTS

Externally funded Research

2023-2028	NIH/NIDCD R01DC020653-01. Computational modeling of language impairment and control in bilingual individuals with post-stroke aphasia and neurodegenerative disorders (MPI: Swathi Kiran, Risto Miikulainen)(\$3185065)
2023-2027	NIH/NIDCD1R01DC020965-01. <i>Naturalistic Neuroimaging for Presurgical Language Mapping</i> . (PI: Yanmei Tei, Einat Leibenthal; Subcontract PI: Swathi Kiran) (\$201550)
2013-2027	NIH/NIDCD R13 1R13DC017375-01, <i>Academy of Aphasia Research and Training Symposium</i> . PI: Swathi Kiran (\$199695)
2020- 2025	NIH/NIBIB 1U01EB029856-01. <i>The Neuroscience of Everyday World- A novel wearable system for continuous measurement of brain function</i> (MPI: Swathi Kiran, David Boas)(\$5916930)
2023- 2025	NIH/NIBIB 1U01EB029856-04S1. Evaluating the utility of fNIRS in detecting and diagnosing AD/ADRD (MPI: Swathi Kiran, David Boas)(\$409,770)
2022-2024	University of Oslo, Norway Subcontract “ <i>Morphosyntactic Production in Stroke-induced Agrammatic Aphasia: A Cross-linguistic Machine Learning Approach</i> ”(PI: Valantis Fyndanis, Subcontract PI: Swathi Kiran)(\$38,000)
2019-2025	NIH/NIDCD 5R01DC016950 <i>Functional reorganization of the language and domain-general multiple demand systems in aphasia</i> . MPI: Swathi Kiran (\$3157580).
2018-2023	NIH/ NIBIB R01EB026998 Next-generation optical brain functional imaging platform (PI: Qianqian Fang; Role: subcontract)(\$101,126)
2020 –2022	NIDCD/NIH 1U01DC014922 05S1 <i>Computational Modeling of Semantic Decline in Bilingual Individuals with Mild Cognitive Impairment and Primary Progressive Aphasia</i> , MPI: Swathi Kiran (\$437,924)
2016-2022	NIH/NIDCD 1U01DC014922. <i>Predicting rehabilitation outcomes in bilingual aphasia using computational modeling</i> . MPI: Swathi Kiran (\$3101075)
2013-2018	NIDCD/NIH 1P50DC012283-01 <i>Neurobiology of language recovery in aphasia, natural and treatment induced recovery</i> . PI: Cynthia Thompson, (\$7,500,000) Sub Project PIs Swathi Kiran (BU: \$791,855)
2015-2017	ASHA Office of Multicultural Affairs. Projects on multicultural activities <i>Development of a Free Online Interactive Naming Therapy for Bilingual Aphasia</i> . PIs: Chaleece Sandberg, Teresa Gray, Swathi Kiran

- 2009-2015 NIDCD/NIH R21/R33DC010461-01 *Theoretically based treatment for sentence comprehension deficits in aphasia* (\$1,615,519), PD/PI: Swathi Kiran
- 2012-2013 Coulter Foundation Translational Award. *Validation of an iPad therapy for individuals with post-stroke aphasia*. (\$124,000) PI: Swathi Kiran, Cara Stepp.
- 2011-2013 NIDCD/NIH 1K18DC011517-01 Mentored Clinical Development Grant. *Application of Multimodal Imaging Techniques to Examine Language Recovery in Post Stroke Aphasia* (\$253,478) PI: Swathi Kiran
- 2008-2011 ASHA foundation Clinical Research Grant. *Effect of a semantic based naming treatment on crosslinguistic generalization in bilingual patients with aphasia*. (\$50,000). PI: Swathi Kiran
- 2009-2012 NIH/NIDCD 1R21DC009446. *Computational and Behavioral Evidence for Bilingual Aphasia Rehabilitation*. (\$275,000). PIs: Swathi Kiran, Risto Miikkulainen
- 2007-2008 ASHA Office of Multicultural Affairs. Projects on multicultural activities *The validation of a language use questionnaire across bilingual clinical populations*. (\$11,720). PIs: Swathi Kiran, Elizabeth Pena, Lisa Bedore.
- 2003-2006 NIDCD R03 DC 6359-01. *Semantic complexity and treatment for lexical access* (\$216,000) PI: Swathi Kiran
- 2003-2004 ASHA foundation New Century Research Scholars Grant. (\$10,000) *Effect of semantic complexity on treatment of lexical access*
- 2002-2003 ASHA foundation New Investigator Award. (\$5000) *Effect of semantic treatment on crosslinguistic generalization in bilingual aphasia*

Training

- 2024-2026 NIH/NIDCD1R01DC020965-01S1. *Naturalistic Neuroimaging for Presurgical Language Mapping* (PI: Manuel Marte Mentor: Einat Liebenthal, Swathi Kiran)
- 2024-2026 NIH/NIDCD 1F31DC021628, *Assessment of real-time reading comprehension in bilinguals with aphasia* (PI: Michael Scimeca Mentor: Swathi Kiran)
- 2024-2026 NIH/NIDCD 1F31DC021385, *Bilingualism as a cognitive reserve factor: the behavioral and neural underpinnings of cognitive control in bilingual patients with aphasia*, (PI: Erin Carpenter, Mentor: Swathi Kiran)
- 2023-2027 NIH/NIDCD 1F30DC021092, *Dynamic functional network connectivity and neuroplasticity in poststroke aphasia*, (PI: Isaac Falconer Mentor: Swathi Kiran)
- 2023-2028 NIH U54CA27216, NIH-FIRST: *UNM FIRST: Promoting Inclusive Excellence in Neuroscience and Data Analysis*. Ellen Smith (PI), Kiran-External Advisory Board
- 2022- 2024 NIH/NIDCD 1F32DC020342-01. *Detecting and classifying non-fluent speech in aphasia using machine learning*, PI: Claire Cordella, Mentor, Swathi Kiran

- 2021-2026 NIGMS (P20GM109089), Center for Brain Recovery and Repair. *University Of New Mexico, Shuttleworth (PI)*, Kiran- External Advisory Board
- 2022-2027 NIH/NIDCD 5K01DC019165, Neurophysiological Mechanisms of language comprehension, PI: Mathew Nelson, Co-Mentor: Swathi Kiran
- 2019- 2021 NIH/NIDCD 1F31DC017892-01A1. *Behavioral and Neural Effects of Intensive Cognitive-Communication Rehabilitation in Young College-Bound Adults with Acquired Brain Injury*. PI: Natalie Gilmore, Mentor Swathi Kiran.
- 2017-2019 NIH 1F31DC015940-01A1. *Structural and Effective Connectivity of Reorganized Language Networks in Aphasia* PI: Erin Meier, Mentor: Swathi Kiran
- 2016- 2018 NIH 1F32DC015163-01A1. *Mechanisms of adaptation in (healthy and aphasic) noisy-channel comprehension*. PI: Rachel Ryskin; Co-Mentor: Swathi Kiran
- 2015-2020 NIH 1 K99 DC014520-01. *Neural markers of speech error detection and correction abilities in aphasia*. PI: Carrie Niziolek; Co-Mentor: Swathi Kiran
- 2015-2020 NIH T32 DC013017-01A1. *Bridging Basic, Translation and Clinical Research in Communication Disorders* (PIs C. Moore, B. Shinn-Cunningham). Role: Executive Committee Member and Preceptor
- 2012-2014 NIH 5F31DC011220-02. *Changes in Neural Patterns in Persons with Aphasia Following Theory-Based Generative Naming Treatment (NRSA)*. PI: Chaleece Sandberg, Mentor: Swathi Kiran
- 2004-2009 NIH DA 018926-04, INS Training Grant. Funded. *Pre-Doctoral Training in Interdisciplinary Neuroscience*, (PI: Adron Harris) (Role: Associate Preceptor, Role: mentoring Ph.D students).

Internally funded

- 2023-2024 Rafik B. Hariri Institute for Computing and Computational Science and Engineering Focused Research Program “*Novel Data Science and AI Approaches for Brain Health and Brain Disease*”(\$100,000).
- 2021-2022 Rafik B. Hariri Institute for Computing and Computational Science and Engineering Digital Health Initiative “*Therapy calculator for rehabilitation outcomes after brain injury*”(\$24934).
- 2020-2021 Rafik B. Hariri Institute for Computing and Computational Science and Engineering Digital Health Initiative “*Machine learning approaches to predict aphasia recovery*”(\$30,000).
- 2013-2014 Dudley Allen Sargent grant, Sargent College of Health and Rehabilitation Sciences, Boston University, “*Understanding the nature of resting state connectivity in individuals with post-stroke aphasia.*” (\$7000)
- 2011-2012 Dudley Allen Sargent grant, Sargent College of Health and Rehabilitation Sciences, Boston University, “*Neural basis of semantic processing in bilingual aphasia*” (\$7000)

2009-2010 Dudley Allen Sargent grant, Sargent College of Health and Rehabilitation Sciences, Boston University, “*Treatment modulated neural activation patterns in patients with aphasia*” (\$7000)

PUBLICATIONS

Journal Articles

1. Yücel, M.A, Anderson, J.E., Rogers, D, Hajirahimi, P., Farzam, P., Gao, Y., Kaplan, R.I., Braun, E.J., Mukadam, N., Duwadi, S., Carlton, L., Beeler, D., Butler, L.K., Carpenter, E., Girnis, J., Wilson, J., Tripathi, V., Zhang, Y., Sorger, B., von Lüthmann, A., Somers, D.C., Cronin-Golomb, A., **Kiran, S.**, Ellis, T.D., Boas, D.A. (accepted). Inclusivity in fNIRS Studies: Quantifying the Impact of Hair and Skin Characteristics on Signal Quality with Practical Recommendations for Improvement. *Nature Human Behavior*
2. Billot A, Jhingan N, Varkanitsa M, Blank I, Ryskin R, **Kiran S**, Fedorenko E. (under revision) The language network ages well: Preserved selectivity, lateralization, and within-network functional synchronization in older brains. *Nature Human Behavior*.
3. Penaloza, C., Marte, M., Billot, A., **Kiran, S.** (accepted). Cross-language interaction during sequential anomia treatment in three languages: Evidence from a trilingual person with aphasia. *Cortex*
4. Falconer, I., Varkanitsa, M., Billot, A., **Kiran, S.** (accepted). Network flexibility facilitates treatment-induced recovery in post-stroke aphasia, *Brain Communication*.
5. Kropp, E., Varkanitsa, M., Carvalho, N., Falconer, I., Billot, A., Aldabbagh, M., & **Kiran, S.** (accepted). Using Unsupervised Dimensionality Reduction to Identify Lesion Patterns Predictive of Post-Stroke Aphasia Severity. *Cortex*.
6. Hu, X., Varkanitsa, M., Kropp, E., Betke, M., Ishwar P., **Kiran, S.** (under revision). Aphasia Severity Prediction Using a Multi-modal Machine Learning Approach. *Neuroimage*
7. Sung, J.E., Scimeca, M, Li, R, **Kiran, S.** (2024). Cross-Linguistic and Multicultural Considerations in Evaluating Bilingual Adults With Aphasia. *American Journal of Speech Lang Pathology*. Nov 4;33(6):2716-2731. doi: 10.1044/2024_AJSLP-23-00496. Aug 28. PubMed PMID: 39196846; PubMed Central PMCID: PMC11546902.
8. Yücel, M.A, Anderson, J.E., Rogers, D, Hajirahimi, P., Farzam, P., Gao, Y., Kaplan, R.I., Braun, E.J., Mukadam, N., Duwadi, S., Carlton, L., Beeler, D., Butler, L.K., Carpenter, E., Girnis, J., Wilson, J., Tripathi, V., Zhang, Y., Sorger, B., von Lüthmann, A., Somers, D.C., Cronin-Golomb, A., **Kiran, S.**, Ellis, T.D., Boas, D.A. (2024). Quantifying the Impact of Hair and Skin Characteristics on Signal Quality with Practical Recommendations for Improvement. bioRxiv. Oct 28;. doi: 10.1101/2024.10.28.620644. PubMed PMID: 39554177; PubMed Central PMCID: PMC11565806.
9. Russell-Meill, M., Carpenter, E., Marte, M. J., Scimeca, M., Peñaloza, C., & **Kiran, S.** (under revision). Measurement of cross-language and cross-domain generalization following semantic feature-based anomia treatment in bilingual aphasia. *Neuropsychological Rehabilitation*.

10. Blankenheim, S., Peñalozab, C., **Kiran, S.**, & Varkanitsa, M. (under review). Are bilingual people with post-stroke aphasia sensitive to semantic context? Evidence from an eye-tracking study. *Aphasiology*
11. Prabhakaran, D., Grasmann, U., **Kiran, S.**, & Miikkulainen, R. (2025). How the Stroop Effect Arises from Optimal Response Times in Laterally Connected Self-Organizing Maps. *ArXiv*. <https://www.ncbi.nlm.nih.gov/pubmed/39975444>
12. Ryskin, R., Gibson, E., & **Kiran, S.** (2025). Noisy-channel language comprehension in aphasia: A Bayesian mixture modeling approach. *Psychon Bull Rev*. <https://doi.org/10.3758/s13423-025-02639-z>
13. Marte, M. J., Russell-Meill, M., Carvalho, N., & **Kiran, S.** (2025). Charting the Course of Aphasia Recovery: Factors, Trajectories, and Outcomes. *Annual Review of Linguistics*, 11(Volume 11, 2025), 111-136. <https://doi.org/https://doi.org/10.1146/annurev-linguistics-011724-121245>
14. Marte MJ, Carpenter E, Scimeca M, Russell-Meill M, Peñaloza C, Grasmann U, Miikkulainen R, **Kiran S.** (2025). Machine Learning Predictions of Recovery in Bilingual Poststroke Aphasia: Aligning Insights With Clinical Evidence. *Stroke*. Feb;56(2):494-504. doi: 10.1161/STROKEAHA.124.047867. Epub 2025 Jan 2. PubMed PMID: 39744848; PubMed Central PMCID: PMC11772114.
15. Billot A, Jhingan N, Varkanitsa M, Blank I, Ryskin R, Kiran S, Fedorenko E. (2024) The language network ages well: Preserved selectivity, lateralization, and within-network functional synchronization in older brains. *bioRxiv*. 2024 Oct 24;. doi: 10.1101/2024.10.23.619954. PubMed PMID: 39484368; PubMed Central PMCID: PMC11527140.
16. Li, R., Chen, S., & **Kiran, S.** (2025). The Active Ingredients of Semantic Naming Treatment: Evidence From Mandarin-English Bilingual Adults With Aphasia. *J Speech Lang Hear Res*, 68(1), 216-233. https://doi.org/10.1044/2024_JSLHR-23-00705
17. Chen Z, Varkanitsa M, Ishwar P, Konrad J, Betke M, **Kiran S**, Venkataraman A. A Lesion-aware Edge-based Graph Neural Network for Predicting Language Ability in Patients with Post-stroke Aphasia. *ArXiv*. 2024 Sep 3;. PubMed PMID: 39279836; PubMed Central PMCID: PMC11398550.
18. Fyndanis, V., Burgio, F., Buivolova, O., Danesin, L., Gardner, Q., Kalpakidi, T., Scimeca, M., Soilmezidi, M., **Kiran, S.**, & Dragoy, O. (2024). Teasing apart time reference-related encoding and retrieval deficits in aphasia: Evidence from Greek, Russian, Italian and English. *Aphasiology*, 1–35. <https://doi.org/10.1080/02687038.2024.2415927>
19. Reilly, J., Shain, C., Borghesani, V., Kuhnke, P., Vigliocco, G., Peelle, J. E., Mahon, B. Z., Buxbaum, L. J., Majid, A., Brysbaert, M., Borghi, A. M., De Deyne, S., Dove, G., Papeo, L., Pexman, P. M., Poeppel, D., Lupyan, G., Boggio, P., Hickok, G., . . . Vinson, D. (2024). What we mean when we say semantic: Toward a multidisciplinary semantic glossary. *Psychon Bull Rev*. <https://doi.org/10.3758/s13423-024-02556-7>
20. Saxena, R., Gilbert, C., **Kiran, S.**, & Cordella, C. (2024). Measuring Impairment-Specific Gains in Individual Cognitive Rehabilitation Through a Systematic Therapy Protocol. *Am J Speech Lang Pathol*, 33(6), 3069-3081. https://doi.org/10.1044/2024_AJSLP-23-00421
21. Cordella, C., Marte, M. J., Liu, H., & **Kiran, S.** (2024). An Introduction to Machine Learning for Speech-Language Pathologists: Concepts, Terminology, and

Emerging Applications. Perspectives of the ASHA Special Interest Groups.

https://doi.org/10.1044/2024_PERSP-24-00037

22. Scimeca, M., Peñaloza C., & **Kiran, S.** (under review). The evolution of word-retrieval errors during semantic feature-based therapy in bilingual aphasia.
23. Li, R., Gilmore, N., O'Connell, M., & **Kiran, S.** (2024) Evolution of speech errors after complexity-based semantic naming treatment in individuals with aphasia. *Aphasiology*, <https://doi.org/10.1080/02687038.2024.2377325>
24. Sung, J. E., Scimeca, M., Li, R., & **Kiran, S.** (2024). Cross-Linguistic and Multicultural Considerations in Evaluating Bilingual Adults With Aphasia. *Am J Speech Lang Pathol*, 33(6), 2716-2731. https://doi.org/10.1044/2024_AJSLP-23-00496
25. Calabria M, Gallo F, **Kiran S.** [Introduction: Clinical aspects of bilingualism research in adults.](#) *Biling (Camb Engl)*. 2024 Mar;27(2):215-216. Epub 2024 Feb 23. PubMed PMID: 39100142; PubMed Central PMCID: PMC11296520.
26. Beach, S.D., Tang, D.L., **Kiran, S.**, Niziolek, C.A. (2024). Pars Opercularis Underlies Efferent Predictions and Successful Auditory Feedback Processing in Speech: Evidence From Left-Hemisphere Stroke. *Neurobiol Lang (Camb)*. 2024;5(2):454-483. doi: 10.1162/nol_a_00139. eCollection 2024. PubMed PMID: 38911464; PubMed Central PMCID: PMC11192514.
27. Billot A, **Kiran S.** (2024). Disentangling neuroplasticity mechanisms in post-stroke language recovery. *Brain Lang*. Apr;251:105381. doi: 10.1016/j.bandl.2024.105381. Epub 2024 Feb 23. Review. PubMed PMID: 38401381; PubMed Central PMCID: PMC10981555.
28. Angelopoulou, G., Kasselimis, D., Varkanitsa, M., Tsolakopoulos, D., Papageorgiou, G., Velonakis, G., Meier, E., Karavassilis, E., Pantoleon, V., Laskaris, N., Kelekis, N., Tountopoulou, A., Vassilopoulou, S., Goutsos, D., **Kiran, S.**, Weiller, C., Rijntjes, M., & Potagas, C. (2024). Investigating silent pauses in connected speech: integrating linguistic, neuropsychological, and neuroanatomical perspectives across narrative tasks in post-stroke aphasia. *Front Neurol*, 15, 1347514. <https://doi.org/10.3389/fneur.2024.1347514>
29. Cordella C, Di Filippo L, Kolachalama VB, **Kiran S.** Connected Speech Fluency in Poststroke and Progressive Aphasia: A Scoping Review of Quantitative Approaches and Features. (2024). *Am J Speech Lang Pathol*. Jul 3;33(4):2091-2128. doi: 10.1044/2024_AJSLP-23-00208. Epub 2024 Apr 23. PubMed PMID: 38652820; PubMed Central PMCID: PMC11253646.
30. Cordella, C., & **Kiran, S.** (2024). Quantifying Dosage in Self-Managed Speech-Language Therapy: Exploring Components of Cumulative Intervention Intensity in a Real-World Mobile Health Data Set. *American Journal of Speech-Language Pathology*. https://doi.org/doi:10.1044/2024_AJSLP-23-00285
31. Falconer I, Varkanitsa M, **Kiran S.** (2024). Resting-state brain network connectivity is an independent predictor of responsiveness to language therapy in chronic post-stroke aphasia. *Cortex*. 2024 Apr;173:296-312. doi: 10.1016/j.cortex.2023.11.022. Epub 2024 Feb 13. PubMed PMID: 38447266; PubMed Central PMCID: PMC11188988.
32. Breitenstein, C., Hilari, K., Menahemi-Falkov, M., L. Rose, M., Wallace, S. J., Brady, M. C., Hillis, A. E., **Kiran, S.**, Szaflarski, J. P., Tippet, D. C., Visch-Brink, E., & Willmes, K. (2023). Operationalising treatment success in aphasia rehabilitation

- [10.1080/02687038.2021.2016594]. *Aphasiology*, 37(11), 1693-1732.
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Book Chapters.

1. **Kiran, S.**, Varkanitsa, M., Billot, A., Carpenter, E., Falconer, I. (in press). Individual differences in neuroplastic recovery. In A.M. Barrett, Keith McGregor Edited. Encyclopedia of Human Brain, 2nd edition. Elsevier.
2. Scimeca, M., Carpenter, E., & **Kiran, S.** (2023). Aphasia, rehabilitation, and second language neurocognition. In K. Morgan-Short & G. J. van Hell (Eds.), *The Routledge handbook of neurolinguistics and second language acquisition* (pp. 461-474). Routledge.
3. Li, R., Mukadam, N., & **Kiran, S.** (2022). Functional MRI evidence for reorganization of language networks after stroke. *Handbook of clinical neurology / edited by P.J. Vinken and G.W. Bruyn, 185*, 131-150. <https://doi.org/10.1016/B978-0-12-823384-9.00007-4>
4. **Varkanitsa, M.**, Kiran, S., & Willmes, K. (2023). Measures of Language and Communication. In G. Boyle, Stern, Y., Stein, D., Sahakian, B., Golden, C., Lee, T. & Chen, S. (Eds.), *The SAGE Handbook of Clinical Neuropsychology* (pp. 121-144). Sage
5. Gilmore, N., Braun, E.J., & **Kiran, S.** (2020, in press). Neurology, Connectivity and Aphasia. In Coppens (Ed.), *Aphasia and related neurogenic communication disorder*. Burlington, MA: Jones & Bartlett Learning.
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13. Ramage, A, **Kiran, S.** & Robin, D. (October 2007). Has imaging advanced the science in aphasiology? A critical review of neuroimaging research in acquired

adult language disorders. In R Ingham (Ed.). *Neuroimaging in Communication Sciences and Disorders*. San Diego, Plural Publishing.

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Non Peer Reviewed Publications

1. Peñaloza, C. & Kiran, S. (2017). Neuroimaging evidence in the treatment of bilingual/multilingual adults with aphasia. *Perspectives ASHA SIGs*, 2 (SIG 2), 126–131.
2. Vallila-Rohter, S, & Kiran, S. (2017). Non-linguistic processing and aphasia. CE introduction. *Perspectives: Newsletter of ASHA SID* 2.
3. Kiran, S. & Goral, M. (2012, June 05). One Disorder, Multiple Languages. *The ASHA Leader*.

PRESENTATIONS

Invited Presentations

International:

1. Kiran, S., (October, 2024). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision rehabilitation*. Keynote Presentation, Korean Academy of Speech Language Pathology, Seoul, South Korea
2. Kiran, S., (Sept, 2024). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision rehabilitation*. Keynote Presentation, British Aphasiology Society Annual Conference, Leicester, U.K
3. Kiran, S., (Sept, 2024). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision rehabilitation*. Basque Center for Brain and Language, San Sebastian, Spain.
4. Kiran, S., (Sept, 2024). *Understanding, facilitating, and predicting individuals' language recovery in aphasia*. MRC- Cognition and Brain Unit, University of Cambridge, U.K.
5. Kiran, S., (Sept, 2024). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision rehabilitation*. Hospital Clinico San Carlos/Instituto de Investigacion Sanitaria San Carlos, Madrid, Spain
6. Kiran, S., (January, 2023). *Understanding, facilitating, and predicting individuals' language recovery in aphasia*, University of Haifa, Israel.
7. Kiran, S., (January, 2023). *Understanding, facilitating, and predicting individuals' language recovery in aphasia*, 13th, Hadassah Conference, Jerusalem, Israel.
8. Kiran, S. (April, 2022). *Advances in predicting recovery of language in monolingual and bilingual individuals after stroke: Towards precision rehabilitation*, BCBL, Spain
9. Kiran, S. (November, 2021). *The many facets of language production in bilingual aphasia*. The International Workshop on Language Production. Online/Virtual
10. Kiran, S (May, 2021). *Understanding, facilitating and predicting recovery in aphasia*. Keynote. Speech Pathology Australia annual convention. Online/Virtual

11. Kiran, S., (May, 2020). *Predicting language recovery in aphasia*. Aphasia Center for Research Excellence, Australia. Online/Virtual
12. Kiran, S., (April, 2019). *Understanding, facilitating and predicting language recovery in aphasia*. Brazilian Academy of Audiology Congress, Iguassu Falls, Brazil.
13. Kiran, S., (November, 2018). *Understanding, facilitating and predicting language recovery in aphasia*. British Aphasiology Society, Sheffield, U.K.
14. Kiran, S., (August, 2018). *Treatment approaches for aphasia*. Workshop at QiQihar Medical University. Qiqihar, China.
15. Kiran, S. (February, 2018). *Technological applications for aphasia*. World Federation of Neurorehabilitation, Mumbai, India
16. Kiran, S., (2018). *Understanding aphasia*. Plenary Speaker, 50th ISHACON meeting, Mysore, India.
17. Kiran, S., (2015). *Keynote address on perennial issues in aphasia*. National Conference on Clinical Aphasiology. All India Institute of Speech and Hearing, Mysore, India.
18. Kiran, S., (2015). *Principles of Neuroplasticity*. Samvaad Institute of Speech and Hearing, 10th Anniversary Celebrations. Bangalore, India.
19. Kiran, S. (2014). *Symposium on Language and cognitive control in bilinguals: Evidence from neuroimaging and neurological disorders*. World Federation of Neurology, Research Group on Aphasia and Cognitive Disorders, Hong Kong.
20. Kiran, S. (2014). *Bilingual Aphasia: Current Concepts*. Indo US Workshop on Cognitive Reserve in Dementia and Aphasia. An IUSSTF and DST Program. Hyderabad, India.
21. Kiran, S. (2014). *Ipad Based Constant Therapy in Aphasia*. Indo US Workshop on Cognitive Reserve in Dementia and Aphasia. An IUSSTF and DST Program. Hyderabad, India.
22. Kiran, S. (2013). *The nature of facilitation and inhibition in bilingual aphasia rehabilitation*. *Symposium on Bilingual Aphasia*. European Federation of Neuropsychology, Berlin Germany.
23. Kiran, S. (2012). *Understanding and predicting bilingual aphasia rehabilitation*. *Symposium on Bilingual Aphasia*. World Federation of Neurology, Research Group on Aphasia and Cognitive Disorders, Hyderabad, India.
24. Kiran, S. (2012). *New approaches to aphasia rehabilitation*. CME workshop on aphasia. Indore, India
25. Kiran, S. (2012). *Aphasia therapy with computers, technology and other self-help methods*. CME workshop on aphasia. Indore, India
26. Kiran, S. (2011). *Bilingual Aphasia Rehabilitation*. Symposium speaker. Science of Aphasia, IX. Barcelona, Spain.
27. Kiran, S. (2009). *Application of Neuroimaging in stroke recovery*. Continuing Medical Education Workshop. MNR Medical Institute, Andhra Pradesh, India.
28. Roberts, P., & Kiran, S. (2009). *PCI - Bilingual Aphasia: Evidence and Clinical Issues*. Day long workshop at Canadian Association of Speech Language Pathologists, London, Ontario.
29. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. Science of Aphasia IX (SOA). Chalkidiki, Greece.

30. Kiran, S. (2007, June). *Rehabilitation of aphasia: Behavioral and Neuroimaging evidence*. MNR Medical College. Hyderabad, India

National

1. Kiran, S., Jagaroo, V. Perry, W. (November, 2024). *Invited panel on AI and rehabilitation*. National Academy of Neuropsychology
2. Kiran, S., (April, 2024). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision medicine*. Hampton University Research Day, Hampton, Virginia.
3. Kiran, S., Bonato, P. (May, 2024). *Artificial Intelligence and Machine Learning in Neurorehabilitation*, Neurorehabilitation, 2024.
4. Kiran, S., (November, 2023). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision medicine*. American Speech Language and Hearing Convention, Boston, MA
5. Kiran, S., (Sept, 2023). *Using AI/ML to predict recovery in post-stroke aphasia: moving towards precision medicine*. University of Michigan Seminar Series, Ann Arbor, MI
6. Kiran, S. (June, 2023). *Optimizing the Intensity of Aphasia Therapy*. Neurorehabilitation 2023. Online/Virtual
7. Kiran, S (May, 2023). *Understanding, facilitating and predicting recovery in aphasia*. Keynote. New York State Speech Language Hearing Association Convention. Saratoga Springs, NY
8. Kiran, S (March, 2023). *Understanding and Predicting Aphasia Recovery After Stroke: Towards Precision Medicine*, University of Kentucky Research Day. Lexington, KY
9. Kiran, S. (September, 2022). *Using AI to predict recovery and decline in the damaged brain*, Research On Tap, Boston University.
10. Kiran, S. (September, 2022). *Advances in predicting recovery of language after stroke: Towards precision rehabilitation*, Kilachand Day, Boston University.
11. Kiran, S. (June, 2022). *Optimizing the Intensity of Aphasia Therapy*. Neurorehabilitation 2022. Online/Virtual
12. Kiran, S. (April, 2022). *Advances in predicting recovery of language in monolingual and bilingual individuals after stroke: Towards precision rehabilitation*, SDSU, USA
13. Kiran, S. (November, 2021). *Advances and challenges in predicting recovery of language after stroke: The pursuit of precision rehabilitation*. Brain Imaging Research Center, The University Of Connecticut. Online/Virtual
14. Kiran, S. (September, 2021). *Understanding, facilitating and predicting recovery of language after acquired brain injury*. University of Wisconsin Colloquium Series. Online/Virtual
15. Kiran, S. (June, 2021). *Understanding, facilitating and predicting recovery of language after acquired brain injury*. BrainMap. Organized by A. A. Martinos Center. Online/Virtual
16. Kiran, S. (June, 2021). *Optimizing the Intensity of Aphasia Therapy*. Neurorehabilitation 2021. Online/Virtual

17. Kiran, S (April, 2021). *Understanding, facilitating and predicting recovery in aphasia*. Center for Brain Recovery and Repair, University of New Mexico. Online/Virtual
18. Kiran, S. (November, 2020), *Neuroplasticity Effects after Post-Stroke Aphasia* 41st, Annual Neurorehabilitation Conference, Boston, MA. Online/Virtual
19. Kiran, S. (November, 2018). *Neuroplasticity and language recovery in aphasia*. 2018 Annual Research Symposium, American Speech Language and Hearing Association, Boston, MA.
20. Kiran, S. (November, 2018). *Functional reorganization of the language system in aphasia*. Annual Academy of Neurological Communication Disorders and Sciences. Boston, MA.
21. Kiran, S. (November, 2018), *Understanding Aphasia Recovery*. 39th Annual Neurorehabilitation Conference, Boston, MA.
22. Kiran, S. (November, 2018). *Intensive Comprehensive Cognitive Rehabilitation for Adults with TBI*, 39th, Annual Neurorehabilitation Conference, Boston, MA.
23. Kiran, S. (June, 2018). *Optimizing the Intensity of Aphasia Therapy*. [NeuroRehabilitation 2019](#). Waltham, MA.
24. Kiran, S (May, 2018). *Understanding neuroplasticity*, Baycrest Speech Pathologist Conference, Toronto, CA.
25. Kiran, S (May, 2018). *How Can Technology Enable Rehabilitation in Chronic Aphasia*. Baycrest Speech Pathologist Conference, Toronto, CA.
26. Kiran, S. (May, 2018). *Understanding how big data analyses can inform theories of rehabilitation*. Baycrest Speech Pathologist Conference, Toronto, CA.
27. Kiran, S. (April, 2018). *Understanding and predicting aphasia recovery and after rehabilitation*. Center for the Study of Aphasia Recovery, Columbia, SC.
28. Kiran, S. (March, 2018). Organizer. *Symposium on Language and the Brain*. American Neuropsychiatric Association Annual Meeting. Boston, MA
29. Kiran, S. (March, 2018). *Technological Applications for Language Rehabilitation*. *Symposium on Language and the Brain*. American Neuropsychiatric Association Annual Meeting. Boston, MA
30. Kiran, S. (March, 2018). *Understanding and predicting aphasia recovery and after rehabilitation*. Haskins Lab, Yale University, New Haven, Connecticut.
31. Kiran, S., & Fridriksson, J. (Nov, 2017). *Understanding Neuroplasticity & Language Recovery*. American Speech Language and Hearing Association Convention. Los Angeles, CA.
32. Kiran, S., & Haynes, L. (Oct, 2017). *How Can Technology Enable Rehabilitation in Chronic Aphasia?* New England Symposium for Speech-Language Professionals (NESSLP), Worcester, MA.
33. Kiran, S. (2017). *Language and Executive Functions in Aphasia*. *Language and Executive Functions*. MIT Symposium on Language and Executive Functions.
34. Centeno, J., Kiran, S., Munoz, M. (2016). *Contemporary Approaches to Assessment & Intervention with Bilingual Speakers with Aphasia*. American Speech language and Hearing Association Convention, Philadelphia, PA.
35. Kiran, S. (2016). *Understanding, facilitating and predicting language recovery in aphasia*. Boston Medical Center Neurovascular Stroke Conference. Boston, MA.

36. Kiran, S. (2016). *Understanding, facilitating and predicting language recovery in aphasia*. University of Massachusetts Amherst Communication Sciences and Disorders Leadership Conference. Amherst, MA.
37. Kiran, S. (2016). *Principles of Neuroplasticity in Aphasia. Advances in our current understanding*. Brain Injury Association of Massachusetts Annual Conference, Westborough, MA.
38. Kiran, S. (2016). *Understanding, facilitating and predicting language recovery in aphasia*. Distinguished Lecture. Roger. S. Williams Endowed Lecture Series. University of Missouri, Columbia, MO.
39. Kiran, S. (2016). *Principles of Neuroplasticity in Aphasia. Advances in our current understanding*. Illinois Speech and Hearing Association, Chicago, IL.
40. Kiran, S. (2016). *Using Big data to facilitate clinical decision making*. Illinois Speech and Hearing Association, Chicago, IL.
41. Kiran, S. (2015). *Principles of Neuroplasticity in Aphasia. Advances in our current understanding*. Braintree Neurorehabilitation conference. Boston, MA.
42. Kiran, S. (2015). *Using big data to understand and improve rehabilitation in aphasia*. Braintree Neurorehabilitation conference. Boston, MA
43. Kiran, S. (2015). *Understanding, facilitating and predicting language recovery in aphasia*. Moss Rehabilitation Research Institute, Philadelphia, PA
44. Kiran, S. (2014). *Application of Current Theoretical Models to Bilingual Aphasia Rehabilitation*. American Speech Language and Hearing Association Convention, Orlando, FL (presented by Teresa Gray, M.A. ABD)
45. Kiran, S. (2014). *Effect of an ipad based individual therapy*. Visiting Scholar. Moss Rehabilitation Research Institute, Philadelphia, PA
46. Kiran, S. (2014). *Changes in task based connectivity following rehabilitation in aphasia*. Visiting Scholar. Moss Rehabilitation Research Institute, Philadelphia, PA
47. Kiran, S. (2014). Response to Bruce Tomblin. *Genetics and Aphasia Recovery*. NIDCD Sponsored Research Symposium. *Clinical Aphasiology Conference*. St Simons Island, Georgia.
48. Kiran, S. (2014). *The nature of language recovery in monolingual and bilingual aphasia*. Language and Cognition Seminar Series, Harvard University, Boston, MA
49. Kiran, S. (2014). *The nature of language recovery in monolingual and bilingual aphasia*. University of Illinois, Urbana Champaign, IL
50. Kiran, S. (2014). *Changes in task based effective connectivity following rehabilitation in aphasia*. BrainMap Seminar Series, Martinos Center for Biomedical Imaging, Boston, MA.
51. Kiran, S. (2012). *Bilingual aphasia rehabilitation*. New Jersey State Speech and Hearing Association Convention. Ocean Township, NJ.
52. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. University of Connecticut Cognitive Science Program. New Haven, CT
53. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. Boston University Institute for Neuroscience, Boston, MA.

54. Kiran, S. (2009). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. Department of Anatomy and Neurobiology Seminar Series. Boston University School of Medicine, Boston, MA.
55. Kiran, S. (2009). *Bilingual Aphasia: Perspectives from fMRI, behavioral error analysis and rehabilitation*. NIDCD Research Symposium Presentation in Clinical Aphasiology. Clinical Aphasiology Conference, Denver, Colorado.
56. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Spaulding Rehabilitation Hospital, Boston, MA.
57. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Boston Aphasia Talks research colloquium series.
58. Kiran, S. (2009). *Bilingual Aphasia: Neural Substrates, cognitive control and rehabilitation*. Center for Language Science, Pennsylvania State University.
59. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. 3rd Annual Eleanor M Saffran Cognitive Neuroscience Conference. Philadelphia, PA.
60. Kiran, S. (2008). *The role of exemplar typicality in rehabilitation of naming deficits in aphasia*. Boston University, Boston. MA.
61. Kiran, S. (2008, April). *Bench research in Stroke*. Current Concepts in Stroke, Austin, TX
62. Kiran, S. (2007, March), *The role of exemplar typicality within categories on recovery from brain damage*, Cognition and Perception Series, Department of Psychology, University of Texas at Austin.
63. Kiran, S. (2007, March) *Treatment Methods for Aphasia*, Research Imaging Center, University of Texas at San Antonio Health Center, San Antonio, TX.

Selected Recent Peer Reviewed Conference Presentations (last 5 years) from over 300

1. Scimeca, M. & Kiran, S. (2025, May). Decoding bilingual reading impairment: A cross-linguistic perspective on alexia and aphasia. Poster, Clinical Aphasiology Conference Albuquerque, NM, United States.
2. Sung, J. E., Shin, J., Scimeca, M., García, A., & Kiran, S. (2025, May). Comparing Boston Naming Test performance between English and Korean speakers with aphasia. Platform, Clinical Aphasiology Conference Albuquerque, NM, United States.
3. Shin, J., García, A., Scimeca, M., Kiran, S., & Sung, J. E. (2025, May). Cross-cultural differences in animal fluency between Korean- and English-speaking individuals with Alzheimer's Disease. Poster, Clinical Aphasiology Conference Albuquerque, NM, United States.
4. Marte, M. J., Gillis, B., Faris, R., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2025, June). *The clinical utility of naturalistic movie-viewing: Combining emotional reactivity, gaze patterns, and contextual language processing*. Poster, Organization for Human Brain Mapping 2025 Annual Meeting, Brisbane, Australia.
5. Marte, M. J., Gillis, B., Faris, R., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2025, May). *Movie-viewing reveals novel patterns of emotional and visual processing in post-stroke aphasia*. Poster, Clinical Aphasiology Conference 2025, Albuquerque, NM.

6. Marte, M. J., Gillis, B., Faris, R., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2025, March). *Naturalistic movie-viewing paradigms reveal distinct patterns of cognitive-linguistic processing across clinical populations*. Poster, Cognitive Neuroscience Society 2025 Annual Meeting, Boston, MA.
7. Sung, J. E., Shin, J., Scimeca, M., Li, R., & Kiran, S. (2024, October). Cross-linguistic differences in semantic networks of an animal fluency task between English and Korean speakers with aphasia. Poster, 62nd Annual Academy of Aphasia Conference, Nara, Japan.
8. Kropp, E., Varkanitsa, M., Carvalho, N., Falconer, I., Billot, A., Al-Dabbagh, M., and Kiran, S. (2024, October). *Using Unsupervised Dimensionality Reduction to Identify Lesion Patterns Predictive of Post-Stroke Aphasia Severity*. Poster, Society for the Neurobiology of Language 16th Annual Meeting, Brisbane, Australia.
9. Shin, J., Sung, J. E., Scimeca, M., Li, R., & Kiran, S. (2024, October). Differential clustering strategies in a verbal fluency task between English- and Korean-speaking individuals with aphasia. Poster, 62nd Annual Academy of Aphasia Conference, Nara, Japan.
10. Galvin, C., Rigolo, L., Marte, M. J., Gillis, B., Tie, Y., Kiran, S., Liebenthal, E., & Golby, A. (2024, October). *Developing a movie clip database for naturalistic brain mapping*. Poster, Society for Neuroscience Conference 2024, Chicago, IL.
11. Gillis, B., Marte, M. J., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2024, August). *Language and emotion processing dynamics in post-stroke aphasia: Continuous and holistic valence ratings of naturalistic movie-viewing*. Poster, Neuroscience of the Everyday World 2024, Boston, MA.
12. Marte, M. J., Gillis, B., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2024, December). Emotional processing in post-stroke aphasia: Insights from moment-by-moment valence ratings during movie-watching. Platform, *American Speech-Language-Hearing Association Convention 2024*, Seattle, WA.
13. Aldabbagh, M.H., Falconer, I.B., Varkanitsa, M., & Kiran, S. *Reflection of the Macro-Scale Cortical Gradient in Aphasia*. Poster, Society for the Neurobiology of Language 16th Annual Meeting, Brisbane, Australia.
14. Hu, X., Varkanitsa, M., Ishwar P., Betke, M., Kiran, S. (2024, October). *Predicting Aphasia Severity Using Multimodal Data*. Poster, Academy of Aphasia 62nd Annual Meeting, Nara, Japan
15. Carvalho, N., Varkanitsa, M., Falconer, I., Billot, A., & Kiran, S. (2024, October). *Functional Connectivity in post stroke aphasia during fMRI naturalistic and language tasks*. Poster, Society for the Neurobiology of Language 16th Annual Meeting, Brisbane, Australia.
16. Killelea, K., Billot, A., Kiran, S., Varkanitsa, M. (2024, October). *Investigating the relationship between white matter integrity and linguistic and non-linguistic cognition in individuals with chronic aphasia*. Platform, Academy of Aphasia 62nd Annual Meeting, Nara, Japan.
17. Kurtz, J., Kiran, S., Varkanitsa, M. (2024, October). *Theory of Mind Deficits in People with Aphasia Following Left-Hemisphere Stroke: Prevalence and Relationship with Aphasia Severity*. Poster, Academy of Aphasia 62nd Annual Meeting, Nara Japan.
18. Marte, M. J., Gillis, B., Galvin, C., Rigolo, L., Tie, Y., Kiran, S., & Liebenthal, E. (2024, October). *Dynamics of emotion processing in post-stroke aphasia: Insights*

- from continuous valence ratings during naturalistic movie viewing.* Poster, Society for Neuroscience Conference 2024, Chicago, IL.
19. Russell-Meill, M., Carpenter, E., Marte, M. J., Scimeca, M., Peñaloza, C., & Kiran, S. (2024, October). *Beyond naming: Promoting generalization in bilingual aphasia with semantic feature-based treatment.* Platform, Academy of Aphasia 62nd Annual Meeting, Nara, Japan.
 20. Russell-Meill, M., Carpenter, E., Marte, M. J., Scimeca, M., Peñaloza, C., & Kiran, S. (2024, December). *Outcomes of semantic feature-based therapy in bilingual aphasia: Patterns of generalization across languages.* Platform, American Speech-Language-Hearing Association Convention 2024, Seattle, WA.
 21. Scimeca, M., Carpenter, E., Marte, M. J., & Kiran, S. (2024, March). *Predicting language recovery for bilingual individuals with aphasia.* Platform, Brain Injury Association of Massachusetts 2024 Conference, Marlborough, MA.
 22. Scimeca, M., Carpenter, E., Marte, M. J., Russell-Meill, M., Peñaloza, C., & Kiran, S. (2024, July 1-3). *Patterns of language recovery following anomia treatment for bilinguals with aphasia.* Platform, 2024 International Aphasia Rehabilitation Conference, Brisbane, Queensland, Australia.
 23. S Sung, J. E., Scimeca, M., Li, R., & Kiran, S. (2024). *Cross-linguistic and multicultural effects on animal fluency performance in persons with aphasia.* Platform, 53rd Annual Clinical Aphasiology Conference in Waikoloa Beach, HI, USA.
 24. Scimeca, M., Carpenter, E., Marte, M. J., Russell, M., Peñaloza, C., & Kiran, S. (2024, May). *Assessing assessment in bilingual aphasia: Towards cultural-linguistic equity in clinical testing.* Platform, Clinical Aphasiology Conference 2024, Big Island of Hawai'i, HI.
 25. Billot, A., Jhingan, N., Varkanitsa, M., Falconer, I., Carvalho, N., Fedorenko, E., & Kiran, S., (2023). *Robust dissociation between the language and the multiple demand networks in aging and after a stroke.* Poster presented at the Society for the Neurobiology of Language Annual Meeting in Marseille, France.
 26. Blankenheim, S., Penaloza, C., Kiran, S., & Varkanitsa, M. (2023). *Semantic processing in bilingual people with aphasia: An eye-tracking study examining cross-language semantic facilitation and interference.* Poster presented at the 61st Annual Meeting of the Academy of Aphasia, Reading, England
 27. Braun, E. J., Carpenter, E., Gao, Y., Marte, M. J., Yücel, M. A., Boas, D. A., & Kiran, S. (2024, May 22-25). *Cortical activation for conversational question responses in individuals with post-stroke aphasia: A functional near-infrared spectroscopy (fNIRS) study* Platform, 13th World Congress for Neurorehabilitation, Vancouver, Canada.
 28. Carpenter, E., Braun, E. J., Marte, M. J., Yücel, M. A., Boas, D. A., & Kiran, S. (2023, October). *fNIRS functional connectivity in chronic post-stroke aphasia: A pilot study.* Poster, 15th Annual Meeting of the Society for the Neurobiology of Language, Marseille, France.
 29. Carpenter, E., Grasmann, U., Scimeca, M., Marte, M. J., Russell-Meill, M., Peñaloza, C., Miikkulainen, R., & Kiran, S. (2024, May 28-June 1). *A randomized controlled trial examining the predictive power of computational simulations on treatment-induced naming outcomes in Spanish-English bilingual adults with aphasia*

- Platform, 53rd Annual Clinical Aphasiology Conference, Big Island of Hawai'i, HI, USA.
30. Carpenter, E., Grasmann, U., Scimeca, M., Marte, M. J., Russell-Meill, M., Peñaloza, C., Miikkulainen, R., & Kiran, S. (2024, May 22-25). *Simulating therapy-induced recovery in bilingual aphasia via computational modeling and machine learning approaches* Platform, 13th World Congress for Neurorehabilitation, Vancouver, Canada.
 31. Carpenter, E., Marte, M. J., Scimeca, M., Russell, M., Falconer, I., Peñaloza, C., & Kiran, S. (2023, October). *Factors influencing language impairment in bilingual aphasia*. Poster, Academy of Aphasia 61st Annual Meeting, Reading, England.
 32. Carvalho, N., Billot, A., Varkanitsa, M., Falconer, I., Jhingan, N., & Kiran, S., (2023). *Characterization of functional connectivity in post stroke aphasia during fMRI naturalistic and language tasks*. Poster presented at the Society for the Neurobiology of Language Annual Meeting in Marseille, France.
 33. Falconer, I., Billot A., Varkanitsa, M., Carvalho, N., Jhingan, N., & Kiran, S. (2023). *Language network dysfunction with preserved temporal variability of dynamic functional connectivity in individuals with post-stroke aphasia*. Poster, Society for the Neurobiology of Language in Marseille, France.
 34. Falconer, I., Billot A., Varkanitsa, M., Carvalho, N., Jhingan, N., & Kiran, S. (2023). *Variability of transient synchronizations and treatment-independent recovery in post-stroke aphasia*. Platform, Society for Neuroscience in Washington, D.C.
 35. Marte, M. J., Carpenter, E., Scimeca, M., Russell, M., Falconer, I., Peñaloza, C., & Kiran, S. (2023, October). *Predicting treatment responsiveness in bilingual aphasia: The role of dual language information*. Poster, Academy of Aphasia 61st Annual Meeting, Reading, England.
 36. Russell, M., & Pierce, J. (2023). *Breaking Down Access Barriers for PWA using Digital Therapeutics*. Platform, Annual convention of the American Speech-Language-Hearing Association, November 18, 2023, Boston, MA.
 37. Sung, J. E., Scimeca, M., Li, R., & Kiran, S. (2023). *Crosslinguistic and multicultural considerations in evaluating bilingual adults with aphasia*. Platform, American Speech-Language-Hearing Association 2023 Convention in Boston, MA, USA.
 38. Varkanitsa, M., Penaloza, C., Falconer, I., Charidimou, A., & Kiran, S. (2023). *Brain health and aphasia recovery: The role of cerebral small vessel disease and integrity of functional networks*. Platform, 61ST Annual Meeting of the Academy of Aphasia, Reading, England
 39. Scimeca, M., Carpenter, E., Marte, M. J., & Kiran, S. (2024, March). *Predicting language recovery for bilingual individuals with aphasia*. Platform, Brain Injury Association of Massachusetts 2024 Conference, Marlborough, MA.
 40. Varkanitsa, M., Penaloza, C., Falconer, I., Charidimou, A., & Kiran, S. (2023). *Brain health and aphasia recovery: The role of cerebral small vessel disease and integrity of functional networks*. Oral presentation at the 61ST Annual Meeting of the Academy of Aphasia, Reading, England
 41. Kiran, S. (2023). *Using Naturalistic Paradigms to Understand Language Processing and Language Disorder in Post-Stroke Aphasia*. Presentation in Symposium titled Naturalistic Paradigms for Brain Mapping: Clinical Applications in Neurology and Psychiatry. *Organization of Human Brain Mapping, Montreal, Canada*

42. Falconer, I., Kiran, S. (2023). Variability of transient synchronizations is related to plasticity in post-stroke aphasia recovery. *Organization of Human Brain Mapping, Montreal, Canada*
43. Billot, A, Jhingan, N, Varkanitsa, N, Falconer, I, Combs, O, Small, H, Blank, I, Fedorenko, E, Kiran, S., (2023). Robust dissociation between the language and Multiple Demand networks in aging and after a stroke, *Organization of Human Brain Mapping, Montreal, Canada*
44. Braun, E. J., Carpenter, E., Gao, Y., Marte, M. J., Yücel, M. A., Boas, D. A., & Kiran, S. (2023). Cortical activity patterns for narrative production in individuals with and without aphasia via functional near-infrared spectroscopy (fNIRS). *Clinical Aphasiology Conference 2023, Atlantic City, NJ.*
45. Marte, M. J., Addesso, D., & Kiran, S. (2023). Social determinants of health and poststroke communication difficulties in Hispanic and non-Hispanic white adults. *Clinical Aphasiology Conference 2023, Atlantic City, NJ.*
46. Falconer, I, Varkanitsa, M, and Kiran, S. People with post-stroke aphasia have reduced temporal variability of functional connectivity in the language network compared to healthy controls. (2022) In: *60th Annual Academy of Aphasia Meeting; 2022 Platform Presentation, Philadelphia, PA*
47. Marte, M. J., Scimeca, M., Addesso, D., Abdollahi, F., & Kiran, S. (2022, November). Hispanic Stroke Care in the United States: Insights from Epidemiology, Health Disparity, and Clinical Practice. *American Speech-Language-Hearing Association Convention 2022, New Orleans, LA.*
48. Falconer I, Varkanitsa M, Kiran S. Dynamic resting state functional connectivity predicts treatment response in people with post-stroke aphasia. (2022) In: *Organization for Human Brain Mapping; Glasgow, UK*
49. Addesso, D., Marte, M. J., Abdollahi, F., & Kiran, S. (2022). Social determinants of health contributing to disparities in stroke-associated variables in Hispanic populations. *16th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders, Philadelphia, PA*
50. Anderson, J. A., Rogers, D., Gao, Y., Farzam, P., Beeler, D., Braun, E. J., Butler, L., Carpenter, E., Girnis, J., Kaplan, R., Mukadam, N., Tripathi, V., Wilson, J., Somers, D. C., Cronin-Golomb, A., Kiran, S., Ellis, T. D., Boas, D. A., Yücel, M. A. (2022). Quantification of the diverse effect of hair and skin properties on fNIRS signal quality. *Society for functional Near Infrared Spectroscopy fNIRS 2022 Conference, Boston, MA.*
51. Billot A., Varkanitsa M., Falconer I., Kiran S., (2022) Investigating the influence of structural damage on the synchronization between the language and MD networks in post-stroke aphasia. *Science of Aphasia. Bordeaux, FR*
52. Billot A., Varkanitsa M., Falconer I., Kiran S. (2022) Temporal stroke damage predicts synchronization between the language and multiple demand networks in individuals with aphasia. *Organization for Human Brain Mapping. Glasgow, UK*
53. Braun, E. J., Carpenter, E., Gao, Y., Cronin-Golomb, A., Ellis, T., Somers, D. C., von Lüthmann, A., Yücel, M. A., Boas, D. A., & Kiran, S. (2022). Neuroscience in the everyday world: Brain correlates of naturalistic discourse in individuals with aphasia. *Society for Functional Near Infrared Spectroscopy fNIRS 2022 Conference, Boston, MA.*

54. Carpenter, E., Braun E. J., Marte, M. J., Scimeca, M., Yücel, M. A., Boas, D. A., & Kiran, S. (2022). Neuroscience in the everyday world: Cortical activation during computer-based conversation tasks using integrated fNIRS-EEG. *Society for the Neurobiology of Language 2022 Annual Meeting*, Philadelphia, PA.
55. Chennuri S., Billot A., Lai S., Ishwar P., Betke M., and Kiran S. (2022). Feature Analysis and Extraction for Post Aphasia Recovery Prediction. 26th UK *Conference on Medical Image Understanding and Analysis (MIUA)*. Cambridge, UK
56. Cordella, C., Liu, H., Ishwar, P., Betke, M., & Kiran, S. (2022). Toward personalized treatment recommendations: The promise of data-driven approaches in speech language pathology. *American Speech-Language-Hearing Association Convention*, New Orleans, LA, USA
57. Cordella., C. & Kiran, S.. (2022). Practice patterns in self-managed speech-language therapy: Investigating components of cumulative intervention intensity in a real-world mHealth dataset. *Submitted for presentation at the 12th World Congress for Neurorehabilitation*, Vienna, Austria.
58. Marte, M.J., Scimeca, M., Addesso, D., Abdollahi, F., & Kiran, S. (accepted). Hispanic Stroke Care in the United States: Insights from Epidemiology, Health Disparity, and Clinical Practice. *American Speech-Language-Hearing Association Convention 2022*, New Orleans, LA
59. Marte, M. J., Addesso, D., Abdollahi, F., & Kiran, S. (2022). U.S. Hispanic ethnicity and stroke- and neurorehabilitation-associated outcomes: Disparity-driven heterogeneity. *16th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders*, Philadelphia, PA
60. Marte, M.J., Billot, A., Peñaloza, C., & Kiran, S. (2022). Cross-linguistic effects of a semantic treatment for anomia provided in three languages: Evidence from multilingual aphasia. *International Aphasia Rehabilitation Conference 2022*, Philadelphia, PA
61. Scimeca, M., Peñaloza, C., & Kiran, S. (2022, May 17-21). Treatment outcomes and generalization effects following semantic-feature based naming therapy for bilingual aphasia. [Poster session]. *51st Annual Clinical Aphasiology Conference*, Wrightsville Beach, NC, United States.
62. Scimeca, M., Carpenter, E., Marte, M. J., Combs, A., & Kiran, S. (2022, September 16-17). Enabling access to post-stroke rehabilitation in Hispanic bilinguals with aphasia: Lessons learned and challenges ahead. [Poster session]. *16th Annual Eleanor M. Saffran Cognitive Neuroscience Conference*, Philadelphia, PA, United States.
63. Scimeca, M., Peñaloza, C., Carpenter, E., Marte, M. J., Falconer, I., Combs, A., Gray, T., Shamapant, S., & Kiran, S. (2022, December 14-17). Telerehabilitation for language deficits in Spanish-English individuals with post-stroke aphasia. [Submitted for oral presentation]. *12th World Congress for Neurorehabilitation, Vienna, Austria. (edited)*
64. Abdollahi, F., Scimeca, M., Peñaloza, C. & Kiran, S. (2021, November). *Confronting health disparities for bilinguals with aphasia*. Accepted for oral presentation at the Annual Convention of the American Speech-Language-Hearing Association. Washington, D.C., USA.
65. Falconer I, Varkanitsa M, Kiran S. Pre-treatment graph measures of resting-state functional connectivity predict language treatment outcome in aphasia. In: *Society for*

- the Neurobiology of Language*;
2021:54. https://www.neurolang.org/programs/SNL_2021_Program.pdf
66. Billot A., Lai S., Varkanitsa M., Braun E.J., Rapp B., Parrish T.B., Kurani A.S., Higgins J., Caplan D., Thompson C.K., Betke M., Ishwar P., Kiran S., (2021, October) *Multimodal behavioral and neural data predict response to treatment in post-stroke aphasia*. Accepted for oral presentation at the Society for the Neurobiology of Language (held virtually)
 67. Billot A., Lai S., Varkanitsa M., Braun E. J., Gu Y., Bahrani M., Bighetto J., Rapp B., Parrish T. B., Caplan D., Thompson C. K., Ishwar P., Betke M., Kiran S. (2020, October) *Predicting post-stroke aphasia recovery from multimodal neuroimaging data*. Accepted for oral presentation at the 11th World Congress for Neurorehabilitation. (held virtually)
 68. Billot A., Lai S., Varkanitsa M., Braun E.J., Rapp B., Parrish T.B., Kurani A.S., Higgins J., Caplan D., Thompson C.K., Ishwar P., Betke M., Kiran S. (2021, March) *Prediction of treatment-related language recovery in post-stroke aphasia from neuroimaging and behavioral data*. Accepted as a poster at the Cognitive Neuroscience Society. (held virtually)
 69. Gilbert, C., Citorik, A., Gilmore, N., Kiran, S. (2021, November). 2009V: Getting our CCC's: *Cognitive and Communication Rehabilitation, COVID-19, and Continuity of Care Through Telepractice*. Proposal accepted for 1 hour pre-recorded oral seminar for the Hybrid 2021 American Speech-Language-Hearing Association Convention. Washington, D.C. (held virtually)
 70. Gilbert, C., Gilmore, N., Kiran, S. (2021, March). *Enabling Functional Outcomes Through Educational Rehabilitation*. Oral presentation at the Brain Injury Association of Massachusetts 39th Annual Brain Injury Conference. (held virtually)
 71. Gilbert, C. (2021, March). Aphasia: Who, What, When, Where, Why, & How. Continuing education presentation on Aphasia to the John Hancock Financial Services Clinical Team. (held virtually)
 72. Cordella, C., Munsell, M., Godlove, J., Anantha, V. & Kiran, S. (2021, November). *Patient-level predictors of therapy outcomes following self-managed telerehabilitation*. Accepted for oral presentation at the Annual Convention of the American Speech-Language-Hearing Association. Washington, D.C. , USA. (held virtually)
 73. Cordella, C., Munsell, M., Godlove, J., Anantha, V., Advani, M. & Kiran, S. (2021, October). *Investigating dosage frequency effects on therapy outcomes following self-managed telerehabilitation*. Accepted for poster presentation at the Annual Meeting of the Academy of Aphasia. (held virtually)
 74. Falconer, I., Varkanitsa, M. & Kiran, S. (2021, October). Pre-treatment graph measures of resting-state functional connectivity predict language treatment outcome in aphasia. Accepted for slide slam presentation at the Annual Meeting of the Society for the Neurobiology of Language (held virtually)
 75. Carpenter, E., Peñaloza, C., Rao, L., & Kiran, S. (2021, October). *Clustering and switching in verbal fluency across different language contexts: Evidence from bilingual aphasia*. Accepted for pre-recorded oral presentation at the 13th Annual Meeting of the Society for the Neurobiology of Language. (held virtually)

76. Varkanitsa, M., Peñaloza, C., Charidimou, A., Caplan, D. & Kiran, S. (2021, October). *Cerebral small vessel disease burden: A biomarker for post-stroke aphasia recovery*. Accepted for poster presentation at the 59th Annual Meeting of the Academy of Aphasia, (held virtually)
77. Dekhtyar, M., Mukadam, N., Braun, E. J., Zheng, H., Genovese, A., & Kiran, S. (2021, November). C.H.A.T.: *Communication through Health, Art and Technology, A support group for individuals with aphasia*. One-hour talk accepted at the Convention of the American Speech-Language-Hearing Association, Washington, D.C. (held virtually)
78. Braun, E. J. & Kiran, S. (2021, October). *Influence of stimulus- and patient-level factors on naming treatment outcomes in individuals with aphasia*. Accepted for 20-minute Platform presentation at the 59th Annual Academy of Aphasia Meeting, Virtual. (held virtually)
79. Braun, E. J. & Kiran, S. (2021, October). *Influence of item- and individual-level semantic and phonological characteristics on word production in individuals with aphasia*. Accepted for Slide Slam presentation at the Society for the Neurobiology of Language 2021 Annual Meeting, (held virtually)
80. Lai, S., Billot, A., Varkanitsa, M., Braun, E. J., Rapp, B., Parrish T. B., Kurani, A. S., Higgins, J., Caplan, D., Thompson, C. K., Kiran, S., Betke, M., & Ishwar, P. (2021, June). *An exploration of machine learning methods for predicting post-stroke aphasia recovery*. Paper presented at PETRA '21: The 13th Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece. DOI: 10.1145/3453892.3461319
81. Billot, A., Lai, S., Varkanitsa, M., Braun, E. J., Rapp, B., Parrish, T., Kurani, A. S., Higgins, J., Caplan, D., Thompson, C. K., Ishwar, P., Betke, M., & Kiran, S. (2021, March). *Prediction of treatment-related language recovery in post-stroke aphasia from neuroimaging and behavioral data*. Poster presented at Cognitive Neuroscience Society 2021 Annual Meeting, Virtual.
82. Marte, M.J., & Kiran, S. (2021, October). *Influences on cognate facilitation in healthy bilinguals and bilinguals with aphasia*. Accepted as slide slam presentation at the 13th Annual Meeting of the Society for the Neurobiology of Language.
83. Gilmore, N., Mirman, D., & Kiran, S. (2020, October). *Young Adults with Acquired Brain Injury Show Significant Gains in Cognitive Function Following Intensive Rehabilitation*. Accepted for poster presentation at the 2020 American Congress of Rehabilitation Medicine (ACRM) 97th Annual Conference. Atlanta, Georgia, USA (held virtually).
84. Gilmore, N., Yücel, M. & Kiran, S. (2020, October). *Investigating language and cognitive processing in healthy and neurologically-impaired individuals using functional near-infrared spectroscopy (fNIRS)*. Accepted for poster presentation at the Academy of Aphasia 58th Annual Meeting. Philadelphia, PA, USA (held virtually).
85. Gilmore, N., Li, X., Yücel, M. & 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*. Accepted as oral presentation at ABI2020 15th Annual Conference on Brain Injury. New Orleans, LA, USA. (held virtually)

86. Gilmore, N., Li, X., Yücel, M., Kiran, S., & Boas, D. (2020, January). *Investigating the Neural Bases of Language and Cognitive Processing in Healthy Adults Using Functional Near-Infrared Spectroscopy*. Accepted for poster presentation at Neurophotonics Center's 3rd Annual Symposium. Boston, MA, USA.
87. Braun, E. J., Billot, A., Kurani, A. S., Parrish, T. B., & Kiran, S. (2020, March). *The relationship between white matter structural integrity and language performance in individuals with aphasia*. Poster presented at Cognitive Neuroscience Society 2020 Annual Meeting, (held virtually)
88. Li, R., Perrachione, T. K., Tourville, J. A., & Kiran, S. *Predicting typicality effect from brain activation patterns in healthy adults and individuals with aphasia: a multi-voxel pattern analysis*. Cognitive Neuroscience Society 2020 Annual Meeting, (held virtually)
89. Dekhtyar, M., Braun, E. J., Foo, L., Billot, A., Kiran, S. (accepted oral presentation, 2019, November). *Tele-assessment with the Western Aphasia Battery – Revised in adults with aphasia*. Convention of the American Speech-Language-Hearing Association, Orlando, FL.
90. Butler, L. K., Kiran, S.; Tager-Flusberg, H. (accepted poster presentation, 2019) *A Systematic Review of fNIRS Studies With People With Communication Disorders*. 2019 American Speech- Language Hearing Association (ASHA) Convention. Orlando, FL, USA
91. Li, R., Li, W., Kiran, S. (2019). *Effect of Chinese Verb Network Strengthening Treatment in Mandarin-English Bilinguals with Aphasia*. Paper accepted at the Academy of Aphasia, Macau, 2019.
92. Grasemann, U., Peñaloza, C., Dekhtyar, M., Kiran, S., & Miikkulainen, R. (August, 2019). *Bilex a neural-network model of the bilingual lexicon*. Poster symposium at the Flux Congress of the Society for Developmental Cognitive Neuroscience, New York, USA.
93. Peñaloza, C., Varkanitsa, M., Charidimou, A., Caplan, D., & Kiran, S. (August, 2019). *White matter hyperintensity predicts treatment outcomes in aphasia*. 11th annual meeting of the Society for the Neurobiology of Language, Helsinki, Finland.
94. Peñaloza, C., Grasemann, U., Dekhtyar, M., Miikkulainen, R., & Kiran, S. (August, 2019). *Translating computational modeling into clinical practice: Bilex as a tool to simulate treatment outcomes in bilingual aphasia*. 11th annual meeting of the Society for the Neurobiology of Language, Helsinki, Finland.
95. Peñaloza, C., Grasemann, U., Dekhtyar, M., Miikkulainen, R., & Kiran, S. (July, 2019). *A neural network model of naming impairment and treatment response in bilingual speakers with aphasia*. 28th annual computational neuroscience meeting. Barcelona, Spain.
96. Billot A., Thiebaut De Schotten M., Parrish T. , Thompson C.K., Rapp B., Caplan D.; Kiran S.(oral presentation, 2019) *Structural disconnection maps associated with language impairment in chronic aphasia*. Academy of Aphasia 57th annual meeting. Macau, China.
97. Billot A., Thiebaut De Schotten M., Parrish T. , Thompson C.K., Rapp B., Caplan D.; Kiran S.(poster presentation, 2019) *Structural disconnection maps associated with language impairment in chronic aphasia*. 14th Eleanor M. Saffran Conference. Philadelphia, PA, USA

98. Gilmore, N., Li, X., Yucel, M.; Kiran, S. (2019). *Examining the neural substrates of language and cognitive processing in young adults with acquired brain injury using functional near-infrared spectroscopy*. ABI2020 15th Annual Conference on Brain Injury. New Orleans, LA, USA.
99. Gilmore, N., Foo, L.; Kiran, S. (oral presentation – 2019). *Reframing the Continuum of Care for Young Adults with Acquired Brain Injury*. 2019 American Speech-Language Hearing Association Convention, USA.
100. Gilmore, N.; Kiran, S. (poster presentation – 2019). *Novel, Academically-Focused Cognitive Rehabilitation Program Provides a Ramp to College Success for Young Adults with Acquired Brain Injury*. 2019 American Society of Neurorehabilitation Annual Meeting. Chicago, IL, USA.
101. Dekhtyar, M., Braun, E. J., Foo, L. Kiran, S. (2019, May). *Validating the Western Aphasia Battery – Revised through tele-assessment for individuals with aphasia*. Poster presented at the 49th Annual Clinical Aphasiology Conference, Whitefish, Montana.
102. Gilmore, N., Foo, L., Kiran, S. (poster presentation – 2019). *Academically-focused cognitive rehabilitation supports cognitive-linguistic recovery in college-bound adults with brain injury*. The 2019 Clinical Aphasiology Conference. Whitefish, Montana, USA.
103. Dekhtyar, M., Braun, E. J., Foo, L., Kiran, S. (2019, May). *Validating the Western Aphasia Battery – Revised through tele-assessment for individuals with aphasia*. Talk presented at the 1st International Conference on Teleneurorehabilitation, Crotone, Italy.
104. Li, R., Li, W., Kiran, S. (2019). *Effect of Chinese Verb Network Strengthening Treatment in Mandarin-English Bilinguals with Aphasia*. Paper presented at the Clinical Aphasiology Conference, Whitefish, Montana, 2019.
105. Gilmore, N., Foo, L.; Kiran, S. (oral presentation – 2019). *A Ramp to College: Intensive Cognitive-Communication Rehabilitation (ICCR) for Young Adults with Acquired Brain Injury*. Brain Injury Association of New Hampshire. 36th Annual Brain Injury Stroke Conference. Concord, NH, USA.
106. Foo, L., Gilmore, N.; Kiran, S. (oral presentation – 2019). *Reshaping Cognitive-Linguistic Rehab for Young Adults with Acquired Brain Injury (ABI)*. 2019 MIT BrainTrust Symposium. Cambridge, MA, USA.

TEACHING EXPERIENCE

Doctoral Seminars

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|------------------|---|
| 2010, 2013, 2016 | SAR SH 810 A1, PhD-level scholarly career development seminar (Boston University) |
| 2008 | Seminar on grant writing (CSD 383N) (UT-Austin) |
| 2005 | Cognition & Communication: Neuroimaging Methods (CSD 383) (UT-Austin) |

Graduate

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|------------------|--|
| 2009- 2011, 2014 | Aphasia (SAR 736) (Boston University) |
| 2009 – present | Cognitive and Neural Basis (SAR 756) (Boston University) |
| 2002-2008 | Aphasia (CSD 393F) (UT-Austin) |

2003-2008 Anatomy and Physiology of the Speech and Hearing Mechanism (CSD393 E) (UT-Austin)
 2003 Research Methods (393D) (UT-Austin)

Undergraduate

2003-2008 Language and the Brain (CSD 350). (UT-Austin)

Guest Lectures

2015, 2017, 2019 Single Subject Design, Research Design, Doctoral Program in Occupational Therapy, Boston University
 2011-2015 Language processing, Clinical Aspects of Speech and Hearing, HST-SHBT Graduate Program
 2011 Neuroscience 101, Boston University Neuroscience Program
 2008 Principles of Neuroscience; BUR 116, 9:30-11 #67695.
 Course Instructor: Max Snodderly (UT-Austin)
 2007 Introduction to communication disorders. Course Instructor: Dena Granof (CSD 306K) (UT-Austin)
 2005-2008 Cognitive Science, Course Instructor: Mary Hayhoe & Dana Ballard, (cs395t/ Psy 394U/ CGS 380/ Phl 383/Lin 392) (UT-Austin)
 2005 Foundations of Magnetic Resonance Imaging (MRI) Research, Course Instructor: Mike Domjan, (NEU 394P/PSY 394P) (UT-Austin)

RESEARCH DIRECTION AND STUDENT ADVISING

<i>Post-Doctoral Mentees</i>		
Sofia Vallila Rohter	Ph.D., 2014	Currently Assistant Professor, MGH-IHP
Carrie Niziolek	Ph.D. 2010	Currently Assistant Professor, University of Wisconsin, Madison
Claudia Penaloza	Ph.D. 2016	Currently Assistant Professor, University of Barcelona, Spain
Rachel Ryskin	PhD 2016	Currently Assistant Professor, University of California, UC Merced
Lindsay Butler Trump	Ph.D 2016	Currently Assistant Professor, University of Connecticut, Storrs
Maria Varkanitsa	Ph.D. 2015	Currently Research Assistant Professor at Boston University
Fatemeh Abdollahi	Ph.D 2019	Post Doc 2019-2021
Claire Cordella	Ph.D. 2019	Associate Director, Office of Research, Boston University
<i>Ph.D Dissertation Committee Chair</i>		

Lisa Edmonds (UT –Austin)	August, 2005	Currently Associate Professor, Teachers College, Columbia University
Rajani Sebastian (UT –Austin)	August, 2010	Currently Assistant Professor at Johns Hopkins Medical School.
Sofia Vallila (Boston University/Harvard-MIT HST program)	October, 2013	Currently Associate Professor, MGH-IHP *Winner of 2012 ASHF New Century Scholar Doctoral Award.
Chaleece Sandberg	Feb 2014	Currently Associate Professor, Pennsylvania State University *Winner of 2014 ASHF New Century Scholar Research Award. *Winner of BU Graduate Student Poster Award
Teresa Gray	June, 2015	Currently Associate Professor at San Francisco State University *Winner of 2013 ASHF New Century Scholar Doctoral Award.
Sarah Villard	Dec, 2015	Currently Post-doctoral Fellow, Boston University *Winner of 2014 ASHF New Century Scholar Doctoral Award. *Winner of BU Graduate Student Poster Award
Jeffery Johnson	Sep, 2018	Currently Post-doctoral Fellow, VA Pittsburgh *Winner of the Dudley Allen Sargent Student Grant.
Erin Meier	Aug, 2018	Currently Assistant Professor, Northeastern University *Winner of 2016 ASHF New Century Scholar Doctoral Award. *Recipient of NIH F31 fellowship
Natalie Gilmore	May, 2021	Currently post-doctoral fellow, MGH **Recipient of NIH F31 and T32 fellowship
Ran Li	Aug, 2022	Currently post-doctoral fellow, University of Hong Kong
Emily Braun	July, 2023	Currently Assistant Professor, University of Cincinnati *Recipient of NIH T32 fellowship
Anne Billot	July, 2023	Currently postdoctoral fellow at Harvard University *Recipient of 2020 ANCDs fellowship award
Isaac Falconer	March, 2024	MD/PhD student returned to MD program *Recipient of NIH F30 fellowship
Michael Scimeca	In progress	5 th year PhD student *Recipient of 2020 ASHF graduate fellowship

		*Recipient of 2023 ASHF New Century Scholar Doctoral Award *Recipient of NIH F31 fellowship
Erin Carpenter	In progress	5 th year PhD student *Recipient of 2023 ASHF New Century Scholar Doctoral Award *Recipient of NIH F31 fellowship
Manuel Marte	In progress	5 th year PhD student *Recipient of NIH T32 fellowship
Nicole Carvalho	In progress	3rd year PhD student
Marissa Russell	In progress	3rd year PhD student
<i>M.A. thesis Committee Chair at Boston University since 2015</i>		
Jessie Kastenbaum	2015	“The nature of lexical retrieval in bilingual individuals”
Katrina Ross	2016	“Lexical and Sublexical Analysis of Single-Word Reading and Writing Errors”
Rachael Campbell	2018	“A novel eye tracking paradigm for assessing semantic and phonological activation in aphasia”
Leela Rao	2018	“Verbal fluency as a measure of lexico-semantic access and cognitive control in bilingual aphasia”
Kate Barrett	2018	“The influence of pre-stroke proficiency on post-stroke impairment in bilingual aphasia”
Michael Scimeca	2020	“Factors affecting outcomes for semantic feature analysis treatment in post-stroke bilingual aphasia”
Erin Carpenter	2020	“Varying Degrees of Cognitive Control and it’s Impact on Lexical Access During Verbal Fluency Tasks in Bilingual Persons with Aphasia”
Sophie Blankenheim	2023	“Semantic Processing in Bilingual People with Aphasia: An Eye-Tracking Study Looking at Semantic Facilitation and Interference”.
Kateri Kilelea	2024	Investigating the relationship between the white matter integrity and linguistic and nonlinguistic cognition in individuals with chronic aphasia.
Jadelyn Kurtz	2024	TBD

CERTIFICATIONS

2009-present Licensed Speech Language pathologist, State of Massachusetts
2002-2009 Licensed Speech Language Pathologist, State of Texas
2002-present Certificate of Clinical Competence in Speech-Language Pathology, ASHA

PROFESSIONAL AFFILIATIONS

2004-present Member, Academy of Aphasia
2003-2008 Member, ANCDS
2001-present Member, American Speech-Language and Hearing Association
2000-present Member, ASHA SID 2 Neurophysiology and Neurogenic Speech and Language Disorders
1999-2009 Member, Cognitive Neuroscience Society
2007-2009 Member, Cognitive Science Society
2002-2008 Member, American Heart Association, Austin Chapter

1. De Clercq P, Gonsalves AR, Gerrits R, Vandermosten M. Individualized functional localization of the language and multiple demand network in chronic post-stroke aphasia. bioRxiv 2024:2024.2001.2012.575350.