

SWATHI KIRAN

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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

2014-present Professor, Department of Speech, Language, and Hearing Sciences,
Boston University Sargent College of Health Sciences
2014-present Faculty, CELEST, Boston University
2014-present Faculty, Center for Systems Neuroscience, Boston University
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

2013 Fellow, American Speech Language and Hearing Association
2013 Thomas McMahon Mentoring Award. Honorable Mention. Harvard-MIT
Health Sciences and Technology Program.
2013-present Editorial Board, *Journal of Neurolinguistics*
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.
- 2004 Member, Academy of Aphasia
- 2003 Dean's Fellowship, University of Texas at Austin
- 2001 Cognitive Science Society Travel Fellowship

PROFESSIONAL ACTIVITIES

International:

- 2015 Reviewer, Human Brain Mapping Conference
- 2014 External Reader, PhD thesis, Leena Toumiranta, Abo Akademi University, Finland.
- 2014 Reviewer, Human Brain Mapping Conference
- 2013 Editorial Board, International Scholarly Research Network- Neuroscience
- 2013 Grant reviewer, Health Research Board, Ireland
- 2010- 2014 Public outreach officer, Academy of Aphasia
- 2010 Reviewer, Human Brain Mapping Conference
- 2012-2103 Member, Scientific Committee, International Symposium on Bilingualism (ISB9)
- 2012 External Examiner: PhD thesis, Ladan Ghaizi, University of Montreal, Canada.
- 2009 Reviewer, Human Brain Mapping Conference

National:

- 2015- present 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, *NIDCD* R13 DC006295: Research Symposium in *Clinical Aphasiology*
- 2010-present Associate Editor: Language, Journal of Speech Language and Hearing Research
- 2014 Reviewer, ASHA Grantsmanship and Reviewer Training Program. Organized by American Speech Language and Hearing Association and American Speech Language Foundation.
- 2011-2014 Editor, *AJSLP* Clinical Aphasiology Conference Special Issue

- 2013 Reviewer, American Speech Language and Hearing Foundation: *New Investigator and New Century Scholars Grant Program*
- 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: *New Investigator and New Century Scholars Grant Program*
- 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: *New Investigator and New Century Scholars Grant Program*
- 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, *Retirement Research Foundation*
- 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:

- 2015 Chair, University Tenure and Promotion Committee
- 2015 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
- 201, 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

- Pending NIH/NIDCD 1R13DC014644-01, *Academy of Aphasia Research and Training Symposium*. PI: Swathi Kiran (\$192,618)
- Pending NIH/NIDCD 1R01DC014922. *Predicting rehabilitation outcomes in bilingual aphasia using computational modeling*. PI: Swathi Kiran (\$3,269,847)
- 2013-2018 NIDCD/NIH 1P50DC012283-01 *Neurobiology of language recovery in aphasia, natural and treatment induced recovery*. PI: Cynthia Thompson, (\$7,500,000) Sub Project PIs Swathi Kiran (BU: \$791,855)
- 2009-2015 NIDCD/NIH R21/R33. 1R21DC010461-01 *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

- Pending T32 DC013017-01A1. *Bridging Basic, Translation and Clinical Research in Communication Disorders* (PIs C. Moore, B. Shinn-Cunningham).
Role: Executive Committee Member and Preceptor

- 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
- 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

- 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)
- 2004-2005 Faculty Research Grant, Vice President for Research, UT-Austin, 2004-05. “*Neural correlates of semantic treatment in aphasia.*” (\$6000).
- 2003 Summer Research Assignment, University of Texas at Austin, “*Naming treatment in bilingual aphasia*”
- 2002 Summer Research Assignment, University of Texas at Austin, “*Model based treatment of reading, writing and naming deficits in aphasia*”
- 2000 Effect of exemplar typicality on treatment of naming deficits in aphasia. Graduate Research Grant, Northwestern University, 2000. (\$1500)

PUBLICATIONS

Journal Articles

1. Meier, E., Johnson, J., Villard, S., & **Kiran, S.** (in preparation). Does Naming Therapy Make Ordering in a Restaurant Easier? Impairment vs. Function Rehabilitation Outcomes in Aphasia.
2. Meier, E. L., Kapse, K. J., & Kiran, S. (submitted). The relationship between frontotemporal connectivity during picture naming and regional preserved tissue in post-stroke chronic aphasia.
3. Des Roches, C., Rohter, S., Villard, S., Tripodis, Y., Caplan, D., & Kiran, S. (under revision). Evaluating treatment and generalization patterns of two theoretically motivated sentence comprehension therapies" submitted to American Journal of Speech-Language Pathology. American Journal of Speech Language Pathology.
4. Villard, S. & Kiran, S. (under revision). To What Extent Does Attention Underlie Language in Aphasia? Aphasiology.

5. Sims, J., Kapse, K., Glynn, P., Sandberg, C., & **Kiran, S.** (under revision). The Importance of the Left Hemisphere in Language Recovery in Aphasia. *Neuropsychologia*
6. Bose, A., Wood, R. & **Kiran, S.** (under revision). Semantic fluency in aphasia. Clustering and switching in the course of one minute. *Aphasiology*.
7. Gibson, E. Sandberg, C., Fedorenko, E., Bergen, L., & **Kiran, S.** (in press). A rational inference approach to aphasic language comprehension. *Aphasiology*.
8. Sandberg, C., Bohland, J., & **Kiran, S.** (2015). Neural plasticity related to direct training and generalization effects of word finding treatment in chronic aphasia. *Brain and Language*. 150, 103-116.
9. Meier, E. Lo, M., & **Kiran, S.**, (2015). Understanding semantic and phonological deficits in aphasia: effects of category and typicality in semantic processing. *Aphasiology*, DOI: 10.1080/02687038.2015.1081137 NIHMSID 714642
10. Keane, C., & **Kiran, S.**, (2015). The nature of facilitation and interference in the multilingual language system: Insights from treatment in a case of trilingual aphasia. *Cognitive Neuropsychology*, Special Issue: Treatment as a tool for investigating cognition. 32 (3-4), 169-194.
11. Vallila-Rohter, S., & **Kiran, S.** (2015). An examination of strategy implementation during abstract Nonlinguistic category-learning in aphasia. *Journal of Speech, Language, and Hearing Research*, August 2015, Vol. 58, 1195-1209. doi:10.1044/2015_JSLHR-L-14-0257
12. **Kiran S**, Meier EL, Kapse KJ and Glynn PA (2015) Changes in task-based effective connectivity in language networks following rehabilitation in post-stroke patients with aphasia. *Frontiers in Human Neuroscience*. 9:316. doi: 10.3389/fnhum.2015.00316
13. Gray, T., & **Kiran, S.**, (2015). The relationship between language control and cognitive control in bilingual aphasia. *Bilingualism Language and Cognition*. 2-20; DOI: 10.1017/S1366728915000061
14. Villard, S., & **Kiran, S.** (2015). Between-session intra-individual variability in sustained, selective, and integrational non-linguistic attention in aphasia. *Neuropsychologia*. 66, 204-212, [doi:10.1016/j.neuropsychologia.2014.11.026](https://doi.org/10.1016/j.neuropsychologia.2014.11.026)
15. Des Roches, C., Balachandran, I., Ascenso, E., Tripodis, Y., **Kiran, S.** (2015). Effectiveness of an impairment-based individualized treatment program using an iPad-based software platform. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2014.01015
16. **Kiran, S.**, Des Roches, C., Villard, S. & Tripodis, Y. (2015). The effect of a sentence comprehension treatment on discourse comprehension in aphasia. *Aphasiology*. DOI: 10.1080/02687038.2014.997182. NIHMS #648981
17. Johnson, J., & **Kiran, S.**, (2014). Preserving the flexibility of single-subject experimental design—a commentary on “Optimising the design of intervention studies: critiques and ways forward”. *Aphasiology*. DOI: 10.1080/02687038.2014.987047
18. **Kiran, S.** (2014). Tracking small and large scale fluctuations in language and cognitive performance: A longitudinal rehabilitation case study. *International Journal of Physical Medical & Rehabilitation*. Special Issue on Stroke Rehabilitation.2:3.

19. Sandberg, C., & **Kiran, S.** (2014). How justice can affect jury: Training abstract words promotes generalisation to concrete words in patients with aphasia. *Neuropsychological Rehabilitation*, 1-32. doi: 10.1080/09602011.2014.899504
20. **Kiran, S.**, Des Roches, C., Balachandran, I., & Ascenso, E. (2014). Development of an impairment-based individualized treatment workflow using an iPad-based software platform. *Seminars in Speech and Language*, 35(1), 38-50. doi: 10.1055/s-0033-1362995
21. **Kiran, S.**, Balachandran, I., & Lucas, J. (2014). The nature of lexical-semantic access in bilingual aphasia. *Behavioral Neurology*. Article ID 389565, 18 pages. <http://dx.doi.org/10.1155/2014/389565>
22. Hashimoto, N., Widman, B., **Kiran, S.** & Richards, M.A (2013). A comparison of features and categorical cues to improve naming deficits in aphasia. 27,1-28, *Aphasiology*. doi: 10.1080/02687038.2013.814760
23. Vallila-Rohter, S., & **Kiran, S.** (2013). Nonlinguistic learning in individuals with aphasia: effects of training method and stimulus characteristics. *American journal of speech-language pathology*, 22(2), S426-437. doi: 10.1044/1058-0360(2013/12-0087). PMC# 3662497
24. **Kiran, S.**, Sandberg, C., Gray, T., Ascenso, E., & Kester, E. (2013). Rehabilitation in bilingual aphasia: evidence for within- and between-language generalization. *American journal of speech-language pathology*, 22(2), S298-309. doi: 10.1044/1058-0360(2013/12-0085) PMC# 3662480
25. Gray, T., & **Kiran, S.** (2013). A theoretical account of lexical and semantic naming deficits in bilingual aphasia. *Journal of speech, language, and hearing research : JSLHR*. doi: 10.1044/1092-4388(2012/12-0091) PMC# 3740041
26. Sandberg, C., & **Kiran, S.** (2013). Analysis of abstract and concrete word processing in persons with aphasia and age-matched neurologically healthy adults using fMRI. *Neurocase*. doi: 10.1080/13554794.2013.770881 PMC# 3713118
27. Vallila-Rohter, S., & **Kiran, S.** (2013). Non-linguistic learning and aphasia: evidence from a paired associate and feedback-based task. *Neuropsychologia*, 51(1), 79-90. doi: 10.1016/j.neuropsychologia.2012.10.024, PMC# 3626426
28. **Kiran, S.**, Ansaldo, A., Bastiaanse, R., Cherney, L. R., Howard, D., Faroqi-Shah, Y., Meinzer, M., & Thompson, C. K. (2013). Neuroimaging in aphasia treatment research: standards for establishing the effects of treatment. *Neuroimage*, 76, 428-435. doi: 10.1016/j.neuroimage.2012.10.011 PMC # 3552150.
29. Meinzer, M., Beeson, P. M., Cappa, S., Crinion, J., **Kiran, S.**, Saur, D., Parrish, T., Crosson, B., & Thompson, C. K. (2013). Neuroimaging in aphasia treatment research: consensus and practical guidelines for data analysis. *Neuroimage*, 73, 215-224. doi: 10.1016/j.neuroimage.2012.02.058 PMC # 3416913.
30. **Kiran, S.**, Grasmann, U., Sandberg, C., & Miikkulainen, R. (2013). A computational account of bilingual aphasia rehabilitation. *Bilingualism: Language and Cognition*, Available on CJO doi:10.1017/S1366728912000533. 16, 325—342, NIHMSID #407826.
31. **Kiran, S.**, (2012). What is the nature of post-stroke language recovery and reorganization? *ISRN Neurology*. doi:10.5402/2012/786872

32. **Kiran, S.**, Caplan, D., Sandberg, C., Levy, J., Berardino, A., Ascenso, E., Villard, S., & Tripodis, Y. (2012). Development of a Theoretically Based Treatment for Sentence Comprehension Deficits in Individuals With Aphasia. *American Journal of Speech Language Pathology*, 21(2), S88-102. PMC # 3348417.
33. Levy, J., Hoover, E., Waters, G., **Kiran, S.**, Caplan, D., Berardino, A., & Sandberg, C. (2012). Effects of Syntactic Complexity, Semantic Reversibility, and Explicitness on Discourse Comprehension in Persons With Aphasia and in Healthy Controls. *American Journal of Speech Language Pathology*, 21(2), S154-165. PMC #3371337.
34. Sebastian, R., **Kiran, S.**, & Sandberg, C. (2012). Semantic processing in Spanish–English bilinguals with aphasia. *Journal of Neurolinguistics*, 25(4), 240-262. doi: 10.1016/j.jneuroling.2012.01.003.
35. Sandberg, C., Sebastian, R., & **Kiran, S.** (2012). Typicality mediates performance during category verification in both ad-hoc and well-defined categories. *Journal of Communication Disorders*, 45(2), 69-83. doi: 10.1016/j.jcomdis.2011.12.004. PMC # 3298749.
36. Grasemann, U., Sandberg, C., **Kiran, S.**, & Miikkulainen, R. (2011). Impairment and Rehabilitation in Bilingual Aphasia: A SOM-Based Model. *Lecture notes in computer science*, 6731, 207-217.
37. **Kiran, S.**, & Iakupova, R. (2011) Understanding the relationship between language proficiency, language impairment and rehabilitation. Evidence from a single case study. *Clinical Linguistics and Phonetics*.25 (6-7), 565-583.
38. Sebastian, R. & **Kiran, S.** (2011). Task Modulated activation patterns in chronic stroke patients with aphasia. *Aphasiology*.25 (8), 927-951.
39. **Kiran, S.**, Sandberg, C., & Sebastian, R. (2011). Treatment of category generation and retrieval in aphasia: Effect of typicality of category items. *Journal of Speech Language and Hearing Research*, 54, 1101-1117. PMC #3149763.
40. Sebastian, R., Laird, A. & **Kiran, S.** (2011). Meta-analyses of the neural representation of first language and second language. *Applied Psycholinguistics*. DOI:10.1017/S0142716411000075.
41. Miikkulainen, R. and **Kiran, S.** (2009). Modeling the Bilingual Lexicon of an Individual Subject. In Lecture Notes in Computer Science 5629: *Proceedings of the Workshop on Self-Organizing Maps (WSOM'09, St. Augustine, FL)*. Berlin: Springer. PMC2767190
42. **Kiran, S.**, Sandberg, C., & Abbott, K. (2009). Treatment for lexical retrieval using abstract and concrete words in patients with aphasia: Effect of complexity. *Aphasiology*. 23 (7-8), 835-853. PMC# 2758793.
43. **Kiran, S.** & Roberts, P. (2009). Semantic feature analysis treatment in Spanish-English and French-English bilingual aphasia, *Aphasiology*, 24 (2), 231-261.
44. Edmonds, L., Nadeu, S., & **Kiran, S.** (2009). Effect of Verb Network Strengthening Treatment (VNeST) on Sentence Production in Persons with Aphasia. *Aphasiology* 22 (3), 402-424. PMC# 2744980.
45. **Kiran, S.** (2008). Typicality of Inanimate Category Exemplars in Aphasia Treatment: Further Evidence for Semantic Complexity. *Journal of Speech Language and Hearing Research*, 51, 1550-1568. PMC # 2746558.

46. **Kiran, S.**, & Johnson, L. (2008). Semantic complexity in treatment of naming deficits in aphasia: Evidence from well-defined categories. *American Journal of Speech Language Pathology*, 17, 389-400. PMC # 2746552.
47. Pena, E., & **Kiran, S.** (2008). In Defense of Cookbooks: From Novice to Competent Clinician. *Topics in Language Disorders*.28 (3), 239-255.
48. Harris, J., **Kiran, S.** Marquardt, T. & Fleming. V. (2008). Communication Wellness Check-up: Age related changes in communicative abilities. *Aphasiology*, 22 (7-8), 813-825.
49. **Kiran, S.**, & Viswanathan, M. (2008, March). Effect of model based treatment on oral reading abilities in severe alexia: A case study. *Journal of Medical Speech Pathology*.
50. **Kiran, S.**, & Bassetto, G. (2008). Evaluating the effectiveness of semantic based treatment for naming deficits in aphasia: what works? *Seminars in Speech and Language*, 29(1), 71-82. PMC# 2746458
51. **Kiran, S.**, & Lebel, K. (2007). Crosslinguistic Semantic and Translation Priming in Normal Bilingual Individuals and Bilingual Aphasia. *Clinical Linguistics and Phonetics*, 4, 277-303.
52. **Kiran, S.**, Ntourou, K., & Eubanks, M (2007). Effects of typicality on category verification in inanimate categories in aphasia. *Aphasiology*, 21 (9). 844-86.
53. **Kiran, S.** (2007). Semantic complexity in the treatment of naming deficits. *American Journal of Speech Language Pathology*, 16(Feb), 18-29. PMC# 2731154.
54. Edmonds, L., & **Kiran, S.** (2006). Effect of semantic naming treatment on crosslinguistic generalization in bilingual aphasia. *Journal of Speech Language and Hearing Research*. 49 (4), 729-748.
55. **Kiran, S.** & Tuctenhagen, J. (2005). Imageability Effects in Normal Bilingual Adults and in Aphasia: Evidence from Naming to Definition and Semantic Priming Tasks. *Aphasiology*, 19(3/4/5), 315-325.
56. **Kiran, S.** (2005). Effect of training phoneme to grapheme conversion to improve written and oral deficits: A model based approach. *Aphasiology*, 19 (1), 53-76.
57. Edmonds, L., & **Kiran, S.** (2004). Confrontation naming and semantic relatedness judgments in Spanish/English bilinguals. *Aphasiology*. 18 (5/6/7), 567-579.
58. **Kiran, S.** & Thompson, C. K. (2003) The role of semantic complexity in treatment of naming deficits: Training categories in fluent aphasia by controlling exemplar typicality. *Journal of Speech Language and Hearing Research*, 46, 608-622 PMC# 1995232.
59. **Kiran, S.**, & Thompson, C. K. (2003) Effect of typicality on online category verification of animate category exemplars in aphasia. *Brain and Language*, 85, 441-450.
60. Thompson, C. K. Shapiro, L. P., **Kiran, S.**, & Sobecks, J. (2003). The role of syntactic complexity in treatment of sentence deficits in agrammatic aphasia: The complexity account of treatment effects (CATE). *Journal of Speech Language and Hearing Research*, 46, 607. PMC# 1995234.
61. **Kiran, S.**, Thompson, C.K., & Hashimoto, N. (2001). Effect of training grapheme to phoneme conversion in patients with severe oral reading and naming deficits: A model based approach. *Aphasiology*, 15 (9), 855 - 876.

62. **Kiran, S.**, & Larson, C. R. (2001). Effect of duration of pitch-shifted feedback on vocal responses in Parkinson's disease patients and normal controls. *Journal of Speech Language and Hearing Research*, 44 (5), 975-988.
63. Hain, T.C., Burnett, T.A., Larson, C.R., & Kiran, S. & Hain, T.C. (2001). Effects of delayed auditory feedback (daf) on the pitch-shift reflex. *Journal of the Acoustical Society of America*, 109 (5), 2146-2152.
64. Larson, C. R., Burnett, T. A., Bauer, J. J., **Kiran, S.**, & Hain, T. C. (2001). Comparison of voice Fo responses to pitch-shift onset and offset conditions. *Journal of the Acoustical Society of America*, 110 (6), 2845-2848. PMC# 1769353.
65. Larson, C. R., Burnett, T. A., **Kiran, S.**, & Hain, T. C. (2000). Effects of pitch-shift velocity on voice Fo Responses. *Journal of the Acoustical Society of America*, 107 (1), 559-564.
66. Hain, T. C., Burnett, T. A., **Kiran, S.**, Larson, C. R., Singh, S., & Kenny, M. (2000). Instructing participants to make a voluntary response reveals the presence of two components to the audio-vocal reflex. *Experimental Brain Research*, 130, 133-141.
67. **Kiran, S.**, & Chengappa, S. C. (1994). Learning disability and some concurrent factors: an exploratory study. *Journal of All India Institute of Speech & Hearing*, 24, 1-13.

Book Chapters.

1. 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.
2. Roberts, P. & Kiran, S. (2007). Assessment and treatment of bilingual aphasia and bilingual anomia. A. Ardila & E. Ramos (Eds.) *Speech and Language Disorders in Bilinguals*. Nova Science Publishers. New York, NY, pp 109-131.
3. Kiran, S. (2010). Exemplar. In P.C. Hogan (Ed.), *The Cambridge encyclopedia of the language sciences*. Cambridge, UK: Cambridge University Press.
4. Mavis, I. & Kiran, S. (2009). Semantic relatedness judgments in normal and aphasic bilinguals. Seyhun Topbaş and Mehmet Yavaş (Eds.) *Communication Disorders in Turkish in monolingual and multilingual settings*. Series Editors: Nicole Mueller & Martin Ball. "Communication Disorders Across Languages", Multilingual Matters.
5. Kiran, S & Sandberg, C. (2011). Treating communication problems in individuals with disordered language. R. Peach and L. Shapiro (Eds.). *Cognition and Acquired Language Disorders: A Process-Oriented Approach*. Elsevier. London. Pp 298-326.
6. Kiran, S., & Roberts, P (2012). What do we know about assessing language impairment in bilingual aphasia? In: M. Gitterman, M. Goral, & L.K. Obler, L.K. (Eds.) *Aspects of Multilingual Aphasia*. Clevedon, UK: Multilingual Matters. pp 35-51.

7. Vallila-Rohter, S., & Kiran, S. (pre-order). Diagnosis and Treatment of Semantic Impairments. In A. Hillis (Ed.) Handbook on Adult Language Disorders. Taylor & Francis/Psychology Press of 711 Third Avenue, 8th Floor, New York, NY 10017

Peer Reviewed Conference Proceedings/Conference Abstracts

1. Kiran, S., Gray, T., & Kapse, K. (2013). Language Networks in English-Spanish Bilinguals with and without Aphasia. *51st Academy of Aphasia Proceedings, 94(0), Procedia - Social and Behavioral Sciences* 47–48. doi:10.1016/j.sbspro.2013.09.020
2. Kiran, S., Kapse, K., & Lo, M. (2013). Changes in Task based Effective Connectivity Following Rehabilitation in Aphasia. *51st Academy of Aphasia Proceedings, 94(0), Procedia - Social and Behavioral Sciences* 79–80. doi:10.1016/j.sbspro.2013.09.037
3. Villard, S., & Kiran, S. (2013). Consistency of Selective and Focused Non-linguistic Attention in Aphasia. *51st Academy of Aphasia Proceedings, 94(0), Procedia - Social and Behavioral Sciences* 123–124. doi:10.1016/j.sbspro.2013.09.059
4. Kiran, S., Balachandran, I., Lucas, J., & Gray, T. (2012). The Nature of Lexical Semantic Access in Bilingual Aphasia. *Procedia - Social and Behavioral Sciences, 61(0)*, 195-196. doi: <http://dx.doi.org/10.1016/j.sbspro.2012.10.144>
5. Gray, T., & Kiran, S. (2012). Linguistic and Non-linguistic Interference Suppression in Bilingual Aphasia. *Procedia - Social and Behavioral Sciences, 61(0)*, 191-192. doi: <http://dx.doi.org/10.1016/j.sbspro.2012.10.142>
6. Kiran, S., Caplan, D., Villard, S., Ascenso, E., & Waters, G. (2012). Effects of Training Sentence to Picture-matching and Object Manipulation to Improve Sentence Comprehension in Aphasia: Acquisition and Generalization. *Procedia - Social and Behavioral Sciences, 61(0)*, 144-145. doi: <http://dx.doi.org/10.1016/j.sbspro.2012.10.119>
7. Kiran, S., Obler, L., Ansaldo, A., Goral, M., Tainturier, M.-J., & Roberts, P. (2011). What Do We Know about Impairment and Recovery of Language in Bi-Multilingual Aphasia? *Procedia - Social and Behavioral Sciences, 23(0)*, 10-11. doi: 10.1016/j.sbspro.2011.09.145
8. Kiran, S., & Roberts, P. (2011). Training the Weaker Language to Examine Between-Language Transfer in Bilingual Aphasia Rehabilitation. *Procedia - Social and Behavioral Sciences, 23(0)*, 18-19. doi: 10.1016/j.sbspro.2011.09.149
9. Vallila, S., & Kiran, S. (2011). Exploration into Feedback and Non-feedback Based Learning in Aphasia. *Procedia - Social and Behavioral Sciences, 23(0)*, 116-117. doi: 10.1016/j.sbspro.2011.09.197
10. Grasmann, U., Kiran, S., Sandberg, C., & Miikkulainen, R. (2010). Simulating Bilingual Aphasia: A Novel Computational Model. *Procedia - Social and Behavioral Sciences, 6(0)*, 202-203. doi: 10.1016/j.sbspro.2010.08.101
11. Levy, J., Kiran, S., Caplan, D., AlexBerardino, & Sandberg, C. (2010). Development of a Test of Effects of Syntactic Comprehension Disorders on Discourse Comprehension. *Procedia - Social and Behavioral Sciences, 6(0)*, 164-165. doi: 10.1016/j.sbspro.2010.08.081
12. Kiran, S., Caplan, D., Sandberg, C., Levy, J., Berardino, A., & Simms, M. (2010). Development of a Theoretically Based Treatment For Sentence Comprehension

- Deficits in Aphasia. *Procedia - Social and Behavioral Sciences*, 6(0), 237-238. doi: 10.1016/j.sbspro.2010.08.119
13. Kiran, S. (2007). Recovery from brain damage: Role of exemplar typicality within categories. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Annual Conference of the Cognitive Science Society (COGSCI-07, Nashville, TN, p 201)*. Austin TX: Cognitive Science Society.
 14. Kiran, S. (2007). *Effect of semantic based treatment on naming in bilingual aphasia: A follow up study*. Special Symposium on Communication Disorders in bilingual speakers. International Bilingualism Symposium. Hamburg, Germany.
 15. Kiran, S. & Lebel, S. (2007). *Crosslinguistic semantic and translation priming in normal bilingual individuals and bilingual aphasia*. Cognitive Neuroscience Society, New York, NY.
 16. Kiran, S. Shamapant, S., DeLyria. (2006). Typicality within well defined categories in aphasia. *Brain and Language*, 99, 149-151.
 17. Kiran, S, Ntourou, K., Eubank, S., & Shamapant, S. (2005). Typicality of inanimate category examples in aphasia: Further evidence for the semantic complexity effect. *Brain and Language*, 95 (1), 178-180.
 18. Kiran, S., & Edmonds, (2004). Effect of semantic naming treatment on crosslinguistic generalization in bilingual aphasia. *Brain and Language*, 91, 75-77.
 19. Kiran, S., Tuchtenhagen, J., & Spelman. (2003). Effect of training phoneme to grapheme conversion to improve written and oral deficits. *Brain and Language*, 87, 139-141
 20. Kiran, S., Thompson, C. K., & Medin, D. L. (2001). Effect of exemplar typicality of naming deficits in aphasia. In J. D. Moore & K. Stenning (Eds.), *Proceedings of the 23rd Annual Conference of the Cognitive Science Society (COGSCI-01, Edinburgh, UK)*, 528-533). Austin TX: Cognitive Science Society.
 21. Kiran, S., & Thompson, C.K. (2001). Typicality of category examples in aphasia. Evidence from reaction time and treatment data. *Brain and Language* ,79 (10), pp 27-31.
 22. Kiran, S., & Thompson, C.K. (2000). Grapheme to phoneme conversion treatment in patients with severe oral reading and naming deficits. *Brain and Language*, 74 (3), pp 452-457.
 23. Kiran, S., & Thompson, C. K. (1998). Lexical activation of polysemous word meanings in normal young and elderly individuals. *Brain and Language*, 65 (1)pp. 87-90.

Non Peer Reviewed Publications

1. Kiran, S. & Goral, M. (2012, June 05). One Disorder, Multiple Languages. *The ASHA Leader*.
2. Kiran, S. (2008). Typicality treatment for naming deficits in aphasia: Why does it work? *Perspectives: Newsletter of ASHA SID 2*, 18 (1), 6-14.
3. Kiran, S. (2006). Pure alexia: Causes, Characteristics and Treatment. *ASHA SID 2 Newsletter*. April 2006

4. Kiran, S. (2006). Uncommon Language Disorders: Guest Editor Introduction. *ASHA-SID2, Newsletter*. April 2006
5. Kiran, S. (2003). A novel approach to treatment of aphasia: The semantic complexity hypothesis. *Asian Indian Caucus Newsletter*. April 2003.

PRESENTATIONS

Invited Presentations

International:

1. Kiran, S., (2015). *Keynote address on perennial issues in aphasia*. National Conference on Clinical Aphasiology. All India Institute of Speech and Hearing, Mysore, India.
2. Kiran, S., (2015). *Principles of Neuroplasticity*. Samvaad Institute of Speech and Hearing, 10th Anniversary Celebrations. Bangalore, India.
3. 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.
4. Kiran, S (2014). *Bilingual Aphasia: Current Concepts*. Indo US Workshop on Cognitive Reserve in Dementia and Aphasia. An IUSSTF and DST Program. Hyderabad, India.
5. 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.
6. Kiran, S. (2013). *Changes in task-based effective connectivity following rehabilitation in aphasia. Symposium on Neuroimaging markers of recovery from aphasia*. Academy of Aphasia. Lucerne, Switzerland.
7. Kiran, S (2013). *The nature of facilitation and inhibition in bilingual aphasia rehabilitation. Symposium on Bilingual Aphasia*. European Federation of Neuropsychology, Berlin Germany.
8. 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.
9. Kiran, S. (2012). *New approaches to aphasia rehabilitation*. CME workshop on aphasia. Indore, India
10. Kiran, S (2012). *Aphasia therapy with computers, technology and other self-help methods*. CME workshop on aphasia. Indore, India
11. Kiran, S. (2011). *Bilingual Aphasia Rehabilitation*. Symposium speaker. Science of Aphasia, IX. Barcelona, Spain.
12. Kiran, S. (2009). *Application of Neuroimaging in stroke recovery*. Continuing Medical Education Workshop. MNR Medical Institute, Andhra Pradesh, India.
13. Roberts, P., & Kiran, S. (2009). *PCI - Bilingual Aphasia: Evidence and Clinical Issues*. Day long workshop at Canadian Association of Speech Language Pathologists, London, Ontario.
14. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. Science of Aphasia IX (SOA). Chalkidiki, Greece.

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

National (selected from over 20 presentations)

1. Kiran, S (2015). *Principles of Neuroplasticity in Aphasia. Advances in our current understanding*. Braintree Neurorehabilitation conference. Boston, MA.
2. Kiran, S (2015). *Using big data to understand and improve rehabilitation in aphasia*. Braintree Neurorehabilitation conference. Boston, MA
3. 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)
4. Kiran. S. (2014). *Effect of an ipad based individual therapy*. Visiting Scholar. Moss Rehabilitation Research Institute, Philadelphia, PA
5. Kiran. S. (2014). *Changes in task based connectivity following rehabilitation in aphasia*. Visiting Scholar. Moss Rehabilitation Research Institute, Philadelphia, PA
6. Kiran. S. (2014). Response to Bruce Tomblin. *Genetics and Aphasia Recovery*. NIDCD Sponsored Research Symposium. *Clinical Aphasiology Conference*. St Simons Island, Georgia.
7. Kiran S. (2014). *The nature of language recovery in monolingual and bilingual aphasia*. Language and Cognition Seminar Series, Harvard University, Boston, MA
8. Kiran S. (2014). *The nature of language recovery in monolingual and bilingual aphasia*. University of Illinois, Urbana Champaign, IL
9. Kiran S. (2014). *Changes in task based effective connectivity following rehabilitation in aphasia*. BrainMap Seminar Series, Martinos Center for Biomedical Imaging, Boston, MA.
10. Kiran, S. (2012). *Bilingual aphasia rehabilitation*. New Jersey State Speech and Hearing Association Convention. Ocean Township, NJ.
11. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. University of Connecticut Cognitive Science Program. New Haven, CT
12. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. Boston University Institute for Neuroscience, Boston, MA.
13. 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.
14. 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.
15. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Spaulding Rehabilitation Hospital, Boston, MA.
16. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Boston Aphasia Talks research colloquium series.

17. Kiran, S. (2009). *Bilingual Aphasia: Neural Substrates, cognitive control and rehabilitation*. Center for Language Science, Pennsylvania State University.
18. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. 3rd Annual Eleanor M Saffran Cognitive Neuroscience Conference. Philadelphia, PA.
19. Kiran, S. (2008). The role of exemplar typicality in rehabilitation of naming deficits in aphasia. Boston University, Boston. MA.
20. Kiran, S. (2008, April). *Bench research in Stroke*. Current Concepts in Stroke, Austin, TX
21. 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.
22. Kiran, S. (2007, March) *Treatment Methods for Aphasia*, Research Imaging Center, University of Texas at San Antonio Health Center, San Antonio, TX.

Selected Peer Reviewed Conference Presentations from over 150

1. Villard, S. & Kiran, S. (2016, February, upcoming). *Between-Session and Within-Session Intra-Individual Variability in Attention in Aphasia*. Presentation at the International Neuropsychological Society; Boston, MA.
2. Kastenbaum, J., Kiran, S., Vallila-Rohter, S., Pena, E., Bedore, L., & Sheng, L. (2015, September). *The influence of language combination and proficiency on bilingual lexical access*. Paper presentation at the American Speech-Language & Hearing Association; Denver, Colorado.
3. Meier, E., Villard, S., Johnson, J., & Kiran, S. (2015, November). *Does Naming Therapy Make Ordering in a Restaurant Easier? Impairment vs. Function in Aphasia*. Seminar at the American Speech-Language & Hearing Association; Denver, Colorado.
4. Kasdan, A., & Kiran, S. (2015, October). *Please don't stop the music: Song completion in patients with aphasia*. 53rd Annual Meeting of the Academy of Aphasia, Tucson, AZ.
5. Kiran, S. & Des Roches, C. (2015, October). *Using big-data to validate theories of rehabilitation in aphasia*. (Presented at the 53rd Annual Meeting of the Academy of Aphasia in Tucson, AZ).
6. Villard, S. & Kiran, S. (2015, October). *Now you're with me, now you're not: Between-session and within-session intra-individual variability in attention in aphasia*. Presentation at the Academy of Aphasia; Tucson, Arizona.
7. Meier, E., Kushal, K., & Kiran, S. (2015, October). *Effective connectivity of the naming network in post-stroke chronic aphasia*. The Society for the Neurobiology of Language, Chicago, IL.
8. Kastenbaum, J., Kiran, S., Vallila-Rohter, S., Pena, E., Bedore, L., & Sheng, L. (2015, September). *The influence of language combination and proficiency on bilingual lexical access*. Poster to be presented at the International Symposium of Monolingual and Bilingual Speech, Crete, Greece.

9. Gray, T. & Kiran, S. (2015, September). *Mechanisms of language control and cognitive control in bilingual aphasia*. International Symposium on Monolingual and Bilingual Speech, Crete, Greece.
10. Des Roches, C. Mitko, A., & Kiran, S. (2015). *Relationship between levels of assistance and changes in treatment performance in individuals with aphasia*. Clinical Aphasiology Conference. Monterrey Bay, CA.
11. Vallila-Rohter, S., Des Roches, Tripodis, Y., Caplan, D. & Kiran, S. (2015). *Evaluating treatment and generalization patterns of two theoretically motivated sentence comprehension therapies*. Clinical Aphasiology Conference. Monterrey Bay, CA.
12. Kiran, S., Kapse, K., & Meier, E. (2015). *Effective connectivity analysis of language networks in healthy adults and in chronic aphasia*. Human Brain Mapping, Honolulu, Hawaii.
13. Kiran, S., Kapse, K., Johnson, J., Martin, K., Meier, E, Caplan, D. (2015) *Task based reorganization of function after rehabilitation*. Human Brain Mapping, Honolulu, Hawaii.
14. Bohland, J., Kapse, K., & Kiran, S. (2014, October) *Graph analytic characterization of resting state networks in post-stroke Aphasia*. Academy of Aphasia, Miami, FL.
15. Sandberg, C., Bohland, J & Kiran, S. (2014, October). *Changes in Functional Connectivity Associated with Direct Training and Generalization Effects of a Theory-Based Generative Naming Treatment*. Academy of Aphasia, Miami, FL.
16. Kiran, S., Jorgensen, J., Raney, T., Kapse, K., Lo, M. (2014, June). *Changes in task based effective connectivity following language rehabilitation in aphasia*. Organization for Human Brain Mapping conference 2014, Hamburg, Germany.
17. Kiran, S., Gray, T., Kapse, K., & Salcedo, S (2014, June). *Language Networks in English-Spanish bilinguals with and without aphasia*. Organization for Human Brain Mapping conference 2014, Hamburg, Germany.
18. Sims, J., Kapse, K., & Kiran, S. (2014, April). *The importance of the ipsi- and contralesional frontal and temporal regions in language recovery in aphasia*. Cognitive Neuroscience Society, Boston, MA.
19. Villard, S. & Kiran, S. (2014, May). *Inter- and intra-individual variability in non-linguistic attention in aphasia*. Poster at the Clinical Aphasiology Conference, St. Simons Island, Georgia.
20. Krishan, G., Tiwari, S., Kiran, S., Chengappa, S., (2014, May). *Cross-linguistic generalization of semantic treatment in aphasia: Evidence from the Indian context*. Poster at the Clinical Aphasiology Conference, St. Simons Island, Georgia.
21. Sims, J., Kapse, K., & Kiran, S. (2013, November). *The importance of the ipsi- and contralesional frontal and temporal regions in language recovery in aphasia*. 2013 Society for Neurobiology of Language Annual Meeting. San Diego, CA.
22. Kiran, S. et al., (2013, November). *The nature of across-task and across-structure generalization following a sentence comprehension treatment for aphasia*. 2013 Society for Neurobiology of Language Annual Meeting. San Diego, CA.
23. Vallila-Rohter, S., & Kiran, S. (2013, November). *Neural activations during nonlinguistic category learning in individuals with aphasia*. 2013 Society for Neurobiology of Language Annual Meeting. San Diego, CA.

24. Kiran, S., Stepp, C, Vega-Brachowitz, C., Ambrosi, D., & Perry, P., (2013, November). *The Next Frontier in Rehabilitation: Connected Care Using Tablets, Cloud-Computing, & Other Technologies*. American Speech Language and Hearing Convention. Chicago, IL.
25. Kiran, S., Des Roches, C., Balachandran, I., & Ascenso, E. (2013, November). *Validating Patient Outcomes Using an iPad-Based Software Platform for Language & Cognitive Rehabilitation*. American Speech Language and Hearing Convention. Chicago, IL.
26. Gray, T., & Kiran, S. (2013, November). *Cognitive Control in Bilingual Aphasia*. American Speech Language and Hearing Convention. Chicago, IL.
27. Kiran, S., Gray, T., Kapse, K., & Salcedo, S. (2013, October). *Language Networks in English-Spanish bilinguals with and without aphasia*. 51st Academy of Aphasia, Lucerne, Switzerland.
28. Villard, S., & Kiran, S. (2013, October). *Consistency of Sustained and Focused Non-Linguistic Attention in Aphasia*. 51st Academy of Aphasia, Lucerne, Switzerland.
29. Sandberg, C. & Kiran, S. (2013, June). *Changes in functional connectivity associated with treatment gains in aphasia*. Organization for Human Brain Mapping 2013 conference.
30. Sandberg, C. & Kiran, S. (2013, May). *Changes in Functional Connectivity Associated with Direct Training and Generalization Effects of a Theory-Based Generative Naming Treatment*. Platform presented at the 43rd Annual Clinical Aphasiology Conference, Tuscon, AZ.
31. Gray, T. & Kiran, S. (2013, May). *Cognitive control in bilingual aphasia*. 43rd Annual Clinical Aphasiology Conference, Tuscon, AZ.
32. Kiran, S., Des Roches, C., Balachandran, I., & Ascenso, E (2013, May). *Validation of an ipad based therapy for individuals with brain damage*. 43rd Annual Clinical Aphasiology Conference, Tuscon, AZ.
33. Vallila-Rohter, S., & Kiran, S. (2013, May). *Learning ability as a predictor of success with therapy*. 43rd Clinical Aphasiology Conference, Tucson, AZ.
34. Gray, T. & Kiran, S. (2013, March). *Cognitive control in bilingual aphasia*. Poster presented at the annual Boston University Scholar's Day, Boston, MA.
35. Gray, T., Glynn, P., Luk, G., & Kiran, S. (2013, April). *Gray matter volume differences between Spanish-English and Hindi-English bilinguals*. 20th Annual Cognitive Neuroscience Society Meeting, San Francisco, CA.
36. Kiran, S, Caplan, D, Villard, S, Ascenso, E, & Waters, G. (2012). *Effects of training sentence to picture matching and object manipulation to improve sentence comprehension in aphasia: acquisition and generalization*. Academy of Aphasia. San Francisco, USA
37. Gray T., Kiran S. (2012). *Linguistic and Non-Linguistic Interference Suppression in Bilingual Aphasia*. Academy of Aphasia. San Francisco, USA
38. Kiran S., Balachandran I., Lucas J., Gray T. (2012). *The Nature of Lexical Semantic Access in Bilingual Aphasia*. Academy of Aphasia. San Francisco, USA
39. Glynn, P, Sandberg, C., & Kiran, S., (2012). *The role of the left and right inferior frontal gyrus (IFG) in language recovery in aphasia*. Human Brain Mapping, June 2012, Beijing, China

40. Kiran, S., Grasmann, U., Sandberg, C., & Miikkulianen, R. (2012). *Simulating Bilingual Aphasia: A Novel Computational Model*. International Conference on Cognitive and Neural Systems, June 2012, Boston, MA
41. Sandberg, C., Gibson, T., Fedorenko, E., & Kiran, S. (2012). *The Effect of Plausibility in Sentence Processing: Evidence from Priming and Sentence Comprehension*. Clinical Aphasiology Conference, May 2012, Lake Tahoe, CA
42. Vallila, S., & Kiran, S. (2012). *Non-linguistic learning in aphasia: Effects of training method and stimulus characteristics*. Clinical Aphasiology Conference, May 2012, Lake Tahoe, CA
43. Kiran, S., Sandberg, C., Gray, T., Kester, E., & Roberts, P. (2012). *Rehabilitation of bilingual aphasia: Evidence for within and between language generalization*. Clinical Aphasiology Conference, May 2012, Lake Tahoe, CA
44. Sandberg, C. & Kiran, S. (2012). *Neural correlates of treatment effects on abstract and concrete words in aphasia: a pilot study*. Cognitive Neuroscience Society. Chicago, IL
45. Vallila, S., & Kiran, S. (2012). *Exploration into feedback and nonfeedback based learning in aphasia*. Cognitive Neuroscience Society. Chicago, IL
46. Gray, T., & Kiran, S. (2012). *A theoretical account of lexical semantic naming deficits in bilingual aphasia*. Cognitive Neuroscience Society. Chicago, IL
47. Kiran, S., Obler, L., Ansaldo, A., Goral, M., Tainturier, M.-J., & Roberts, P. (2011). *What Do We Know about Impairment and Recovery of Language in Bi-Multilingual Aphasia?* Academy of Aphasia. Montreal, Canada
48. Kiran, S., & Roberts, P. (2011). *Training the Weaker Language to Examine Between-Language Transfer in Bilingual Aphasia Rehabilitation*. Academy of Aphasia. Montreal, Canada
49. Vallila, S., & Kiran, S. (2011). *Exploration into Feedback and Non-feedback Based Learning in Aphasia*. Academy of Aphasia. Montreal, Canada
50. Kiran, S., Sandberg, C., Glynn, P., Ul-Haq, I., & Richardson, J., (2011). *What is the role of the right hemisphere in the recovery of language in aphasia?* Organization of Human Brain Mapping, Quebec City, Canada.
51. Sandberg, C. & Kiran, S. (2011). *Neural correlates of treatment effects on abstract and concrete words in aphasia: A pilot study*. Organization on Human Brain Mapping, Quebec City, Canada.
52. Kiran, S., Caplan, D., Sandberg, C., Levy, J., & Berardino, A. (2011) *Development of a theoretically based treatment for sentence comprehension deficits in aphasia*. Clinical Aphasiology Conference. Fort Lauderdale, FL.
53. Hoover, E., Waters, G., Levy, J., Caplan, D., Kiran, S., Berardino, A., & Sandberg, C., (2011). *Effects of Syntactic Complexity in Discourse Comprehension*. Clinical Aphasiology Conference. Fort Lauderdale, FL.
54. Sandberg, C. & Kiran, S. (2011). *Abstract and concrete word processing in patients with aphasia*. International Neuropsychological Society, Boston, MA.
55. Kiran, S., Caplan, D., Sandberg, C., Levy, J., Berardino, A., & Simms, M. (2010). *Development of a Theoretically Based Treatment For Sentence Comprehension Deficits in Aphasia*. Academy of Aphasia, Athens Greece.

56. Levy, J., Kiran, S., Caplan., Berardino, A., & Sandberg., C. (2010). *Development of a Test of Effects of Syntactic Comprehension Disorders on Discourse Comprehension*. Academy of Aphasia, Athens Greece.
57. Kiran, S., Grasemann, U., Sandberg, C. & Miikkulianen, R. (2010). *Simulating Bilingual Aphasia: A Novel Computational Model*. Academy of Aphasia, Athens Greece.
58. Kiran, S., Cabral, F., Sandberg, C., & Tripodis, Y. (2010). *Analysis of language errors as function of treatment reveals mechanisms in bilingual aphasic lexical access*. Donostia Workshop on Neurobilingualism, San Sebastian, Spain.
59. Kiran, S., Grasemann, U., Sandberg, C. & Miikkulianen, R. (2010). *Simulating bilingual aphasia Rehabilitation: A novel computational model*. Donostia Workshop on Neurobilingualism, San Sebastian, Spain.
60. Kiran, S., Pena, E., Bedore, L., & Sheng, L. (2010). *Evaluating the relationship between category generation and language use and proficiency*. Donostia Workshop on Neurobilingualism, San Sebastian, Spain.
61. Bose, A., Durda, K., Kiran, S., & Buchannan, L. (2010). *Verbal fluency in aphasia: word frequency and semantic similarity*. 7th International conference on the Mental Lexicon, Windsor, Canada.
62. Grasemann, U., Sandberg, C., Kiran, S., and Miikkulainen, R. (2010). *Rehabilitation and cross-language transfer in bilingual aphasia: Towards a computational model*. Abstract presented at the Computation and Neural Systems Conference CNS*10, San Antonio, TX.
63. Roberts, P., & Kiran, S. (2010). *Efficacy of semantic feature analysis in two bilingual adults treated in their weaker language*. 14th International Aphasia Rehabilitation Conference, Montreal, Canada.
64. Grasemann, U., Sandberg, C., Kiran, S., and Miikkulainen, R. (2010). *Rehabilitation and cross-language transfer in bilingual aphasia: Towards a computational model*. Abstract presented at the Fourteenth International Conference on Cognitive and Neural Systems, ICCNS-10, Boston, MA.
65. Sebastian, R. & Kiran, S. (2010). *Task Modulated activation patterns in chronic stroke patients with aphasia*. Human Brain Mapping, Barcelona Spain.
66. Sandberg, C. & Kiran, S. (2010). *Abstract and Concrete Noun Processing in Healthy Older Adults using fMRI*. Cognitive Neuroscience Society, Montreal Canada.
67. Sebastian, R. & Kiran, S. (2010). *Task Modulated Neural Activation Patterns in Chronic Stroke Participants with Aphasia*. Cognitive Neuroscience Society, Montreal Canada.
68. Kiran, S. (2009). *Experimental Treatment Design: What's Important for Neuroimaging Research. Symposium on Neuroimaging in Aphasia Treatment Research: Lessons, Challenges and Future Directions*. Academy of Aphasia, Boston, MA.
69. Sebastian, R. & Kiran, S. (2009). *Task Modulated Neural Activation Patterns in Chronic Stroke Participants with Aphasia*. Academy of Aphasia, Boston, MA.
70. Sandberg, C. & Kiran, S. (2009). *Abstract and Concrete Noun Processing in Healthy Older Adults using fMRI*. Academy of Aphasia, Boston, MA.

71. Kiran, S. (2009). *Recovery and Rehabilitation of Bilingual Aphasia: The issue of language control and proficiency*. Session on Bilingual language control. 7th International Symposium on Bilingualism. Utrecht, Netherlands.
72. Sebastian, R., Sandberg, C., & Kiran, S. (2009). *Semantic Processing in Spanish-English bilinguals with aphasia using fMRI*. 7th International Symposium on Bilingualism. Utrecht, Netherlands.
73. Sandberg, C., & Kiran, S., (2009). *Abstract and concrete noun processing in healthy older adults using fMRI*. Clinical Aphasiology Conference, Keystone, CO.
74. Warfield, E., & Kiran, S.(2008). *Impact of Model-Based Semantic Treatment on Standardized Tests of Aphasia*. Poster, ASHA Convention, Chicago, IL.
75. Kiran, S., Rascati, M., & Minando, L. (2008). Morphosyntactic Comprehension and Production: *Comparisons in Bilingual English-Spanish and Monolingual English Aphasia*. Poster, ASHA Convention, Chicago, IL.
76. Sebastian. R. & Kiran, S. (2008) *Semantic Processing in Hindi-English Bilinguals Using fMRI*. Human Brain Mapping, Melbourne, Australia, June 2008.
77. Sebastian. R. & Kiran, S. (2008) *Metanalysis of First and Second Language Representation*. Human Brain Mapping, Melbourne, Australia, June 2008.
78. Kiran, S. Sebastian, R. Chettiar, P. & Devous, M. (2008). *Neural correlates of lexical semantic recovery after treatment in aphasia*. Human Brain Mapping, Melbourne, Australia, June 2008.
79. Kiran. S. (2008). *Effect of typicality within ad hoc categories on treatment of lexical retrieval deficits in aphasia*. Clinical Aphasiology Conference. Wyoming, May, 2008.
80. Sandberg, C., Abbott, K., & Kiran, S. (2008). *Treatment of abstract and concrete words for lexical retrieval in aphasia*. Clinical Aphasiology Conference. Wyoming, May, 2008.
81. Harris, J., Kiran, S., & Marquardt, T. (2007). *Thematic Discourse Markers of Communicative Changes: Promoting Communication Wellness*. Poster, ASHA Convention, Boston, MA. November 2007.
82. Rangamani. G & Kiran, S. (2007). *Semantic Representation in Kannada-English Bilinguals: Evidence From Semantic-Category Generation Tasks*. Poster, ASHA Convention, Boston, MA. November 2007.
83. Sebastian. R. & Kiran, S. (2007). *Semantic Processing in Hindi-English Bilinguals Using fMRI*. Poster, ASHA Convention, Boston, MA. November 2007.
84. Kiran, S., Abbott, K., & Sandberg, C. (2007). *Effect of Imageability on Treatment of Naming Deficits in Aphasia*. Poster, ASHA Convention, Boston, MA. November 2007.
85. Kiran, S. (2007). *Effect of abstractness on treatment for generative naming deficits in aphasia*. Symposium on 'Word Concreteness Effects in Aphasia and Neurodegenerative Disease.' Paper, Academy of Aphasia, Washington DC. October, 2007.
86. Sebastian, R. & Kiran, S (2007). *Effect of typicality of ad hoc categories on lexical access*. Poster, Academy of Aphasia, Washington, DC. October, 2007.
87. Kiran, S. (2007). *Recovery from brain damage: Role of exemplar typicality within categories*. Paper presented at 29th Annual Conference of the Cognitive Science Society (COGSCI-07), Nashville, TN.

88. Kiran, S. (2007). *Effect of semantic based treatment on naming in bilingual aphasia: A follow up study*. Paper presented at the Special Symposium on 'Communication Disorders in bilingual speakers'. International Bilingualism Symposium. Hamburg, Germany.
89. Kiran, S., Johnson, L., Abbott, K., DeLyria, S., & Ives, B. (2007). *Typicality within well defined categories in aphasia*. Paper, Clinical Aphasiology Conference, Scottsdale, AZ.
90. Sebastian, R., & Kiran, S. (2007). *Effect of typicality of ad hoc categories on lexical access*. Poster, Clinical Aphasiology Conference, Scottsdale, AZ.
91. Harris, J., Marquardt, T., Kiran, S. & Fleming, V. (2007). *Communication wellness check-up: Age related changes in communicative abilities*. Poster, Clinical Aphasiology Conference, Scottsdale, AZ.
92. Kiran, S. & Lebel, S. (2007). *Crosslinguistic semantic and translation priming in normal bilingual individuals and bilingual aphasia*. Poster, Cognitive Neuroscience Society,
93. Sebastian, R. & Kiran, S. (2007). *Neural representation of first versus second language*. Poster, Texas Research Symposium on Language Diversity. Austin, TX
94. Sebastian, R. & Kiran, S. (2007). *Semantic processing in Hindi and English Bilinguals*. Poster, Texas Research Symposium on Language Diversity. Austin, TX
95. Kiran, S., Harris, J., Marquardt, T. (2006). *Communication Wellness Check-Up©: Age-Related Changes in Communicative Abilities*. Paper, ASHA Convention, Miami, FL.
96. Shamapant, S., & Kiran, S. (2006). *Category Generation, Picture Naming & Semantic Relatedness in Indian-English Bilinguals*. Paper, ASHA Convention, Miami, FL
97. Edmonds, L., & Kiran, S. (2006). *Verb Network Strengthening Treatment for Connected Speech in Aphasia*. Poster, ASHA Convention, Miami, FL
98. Edmonds, L., & Kiran, S. (2006). *Verb Network Strengthening Treatment for Sentence Production Deficits in Aphasia*. Poster, ASHA Convention, Miami, FL.
99. Lebel, K., & Kiran, S. (2006). *Cross Linguistic Priming in Spanish-English Bilinguals With Varying Language Proficiency*. Poster, ASHA Convention, Miami, FL
100. Kiran, S. Shamapant, S., DeLyria. (2006). *Typicality within well defined categories in aphasia*. Paper, Academy of Aphasia, Victoria, Canada.
101. Edmonds, L., & Kiran, S. (2006). *The Effects of Verb Network Strengthening Treatment (VNeST) on Sentence Production in Persons with Aphasia*. Paper, Clinical Aphasiology Conference. Ghent, Belgium.
102. Kiran, S., Marquardt, T., & Harris, J. (2005). *Communication Wellness Checkup*. Paper, ASHA Convention. San Diego, CA
103. Allison, K. & Kiran, S. (2005). *Effect of typicality on feature based and perceptually based categories*. Paper, ASHA Convention, San Diego, CA.
104. Shamapant, S., & Kiran, S. (2005). *Effect of typicality on well defined categories*. Paper, ASHA Convention, San Diego, CA.

105. Kiran, S., Ntourou, K., Eubank, S., & Shamapant, S. (2005). *Typicality of inanimate category examples in aphasia: Further evidence for the semantic complexity effect*. Paper, Academy of Aphasia, Amsterdam, Netherlands
106. Vishwanathan, M., & Kiran, S. (2005). *Treatment for pure alexia using a model based approach: Evidence from one acute aphasic individual*. Poster, Academy of Aphasia, Amsterdam, Netherlands
107. Edmonds, L. & Kiran, S. (2005). *Effect of Semantic Naming Treatment on Crosslinguistic Generalization in Bilingual Aphasia*. Paper, Clinical Aphasiology Conference, Sannibel Island, FL
108. Fleming, V. & Kiran, S. (2005). *Written discourse comprehension in aphasia: The role of executive function*. Poster, Clinical Aphasiology Conference, Sannibel Island, FL
109. Kiran, S., Shamapant, S., Ntourou, K., & Eubanks, M. (2005). *Recovery of Language following treatment in aphasia: Effect of semantic complexity*. Poster, Reprogramming the Brain: Symposium on Brain Plasticity. Dallas, TX.

TEACHING EXPERIENCE

Doctoral Seminars

- 2010, 2013 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

- 2009- 2011, 2014 Aphasia (SAR 736) (Boston University)
- 2009 – 2011 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

- 2011-present 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>Ph.D Dissertation Committee Chair</i>		
Lisa Edmonds (UT –Austin)	August, 2005	Currently faculty at Teachers College, Columbia University
Rajani Sebastian (UT –Austin)	August, 2010	Currently post-doctoral research associate at Johns Hopkins Medical School.
Sofia Vallila (Boston University/Harvard-MIT HST program)	October, 2013	Post-doctoral research associate, Boston University *Winner of 2012 ASHF New Century Scholar Doctoral Award.
Chaleece Sandberg	Feb 2014	Currently faculty at Pennsylvania State University *Winner of 2014 ASHF New Century Scholar Research Award. *Winner of BU Graduate Student Poster Award
Teresa Gray	June, 2015	Currently Faculty at San Francisco State University *Winner of 2013 ASHF New Century Scholar Doctoral Award.
Sarah Villard	ABD	4th year PhD student *Winner of 2014 ASHF New Century Scholar Doctoral Award. *Winner of BU Graduate Student Poster Award
Jeffery Johnson	In progress	3rd year PhD student
Erin Meier	In progress	3 rd year PhD student
<i>M.A. thesis Committee Chair at Boston University</i>		
Regina Iakupova	2011	“Semantic feature analysis treatment in Russian-English bilingual aphasia”
Sarah Villard	2012	“ A comparison of two treatments for sentence comprehension deficits in aphasia”
Brooke Widman	2012	“Comparison of coordinate and semantic feature analysis treatment in aphasia”
Caitlin Kean	2013	“Examining facilitation and interference in a trilingual patient with aphasia”
Megan Quimby	2013	“Lexical access in Hebrew-English bilinguals”
Melody Lo	2013	“Semantic and phonological impairment in individuals with aphasia”
Jordyn Sims	2014	“The importance of ipsilesional IFG and contralesional temporal lobe in language recovery in aphasia”
Jessie Kastenbaum	2015	“The nature of lexical retrieval in bilingual

		individuals”
Katrina Ross	In progress	“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