

## **SWATHI KIRAN**

Department of Speech, Language, and Hearing Sciences  
Boston University Sargent College  
635 Commonwealth Ave.  
Boston, MA 02215  
617-358-5478 (phone)  
(617)-353-5074 (fax)  
kirans@bu.edu

### **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**

2009-present Research Director, Aphasia Resource Center, Boston University  
2009 -present Associate Professor, Department of Speech, Language, and Hearing Sciences, Boston University Sargent College of Health Sciences  
2009- present Massachusetts General Hospital, Assistant in Neuroscience & Neurology  
2009-present Adjunct Associate Professor, Department of Communication Sciences and Disorders, University of Texas at Austin  
2009-present Member, Program in Neuroscience, Boston University  
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**

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

## **GRANTS**

### ***Pending***

2011-2013.1 NIDCD/NIH R21. *Using a lesion model to understand the neural correlates of language proficiency.* (\$445,554.00) PI: Swathi Kiran (CO-PIs: Peter Fox, Shalini Narayana, Angela Laird, Research Imaging Center, University of Texas at San Antonio).

### ***Externally funded***

#### ***Research***

2011-2013 NIDCD/NIH K18 Mentored Clinical Development Grant. Application of Multimodal Imaging Techniques to Examine Language Recovery in Post Stroke Aphasia (\$253,478) PI: Swathi Kiran  
2009-2014 NIDCD, R21/R33. 1R21DC010461-01. *Theoretically based treatment for sentence comprehension deficits in aphasia* (\$2,684,365), PI: Swathi Kiran, Gloria Waters, David Caplan  
2008-2009 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  
2009-2011 NIDCD R21. *"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 New Century Research Scholars Grant, ASHA foundation 2003-2004 *"Effect of semantic complexity on treatment of lexical access"* (\$10,000)  
2002-2003 ASHA foundation New Investigator Award, *"Effect of semantic treatment on crosslinguistic generalization in bilingual aphasia"* (\$5000)

#### ***Training***

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***

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. Sandberg, C. Sebastian, R., & **Kiran, S.** (submitted). Typicality Mediates Performance during Category Verification in Both Ad-hoc and Well-defined Categories.
2. **Kiran, S.**, & Iakupova, R. (in press) Understanding the relationship between language proficiency, language impairment and rehabilitation. Evidence from a single case study. *Clinical Linguistics and Phonetics*.
3. Sebastian, R. & Kiran, S. (in press). Task Modulated activation patterns in chronic stroke patients with aphasia. *Aphasiology*.
4. **Kiran, S.**, Sandberg, C., & Sebastian, R. (in press). Treatment of category generation and retrieval in aphasia: Effect of typicality of category items. *Journal of Speech Language and Hearing Research*
5. Sebastian, R., Laird, A. & **Kiran, S.** (in press). Meta-analyses of the neural representation of first language and second language. *Applied Psycholinguistics*
6. Sebastian, R., & **Kiran, S.** (under revision). *Neural Correlates of Lexical Semantic Processing in Hindi-English and Spanish-English Bilinguals: The Role of Language Proficiency and Use*.
7. 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
8. **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. PMC2758793
9. **Kiran, S.** & Roberts, P. (2009). Semantic feature analysis treatment in Spanish-English and French-English bilingual aphasia, *Aphasiology*, 24 (2), 231-261
10. 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. PMC2744980
11. **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. PMC2746558
12. **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. PMC2746552

13. Pena, E., & **Kiran, S.** (2008). In Defense of Cookbooks: From Novice to Competent Clinician. *Topics in Language Disorders*, 28 (3), 239-255
14. 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
15. **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*.
16. **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. PMC2746458
17. **Kiran, S.**, & Lebel, K. (2007). Crosslinguistic Semantic and Translation Priming in Normal Bilingual Individuals and Bilingual Aphasia. *Clinical Linguistics and Phonetics*, 4, 277-303.
18. **Kiran, S.**, Ntourou, K., & Eubanks, M (2007). Effects of typicality on category verification in inanimate categories in aphasia. *Aphasiology*, 21 (9). 844-867
19. **Kiran, S.** (2007). Semantic complexity in the treatment of naming deficits. *American Journal of Speech Language Pathology*, 16(Feb), 18-29. PMC2731154
20. 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.
21. **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.
22. **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.
23. Edmonds, L., & **Kiran, S.** (2004). Confrontation naming and semantic relatedness judgments in Spanish/English bilinguals. *Aphasiology*. 18 (5/6/7), 567-579
24. **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  
PMC1995232
25. **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.
26. 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. PMC1995234
27. **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.
28. **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.

29. 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.
30. 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. [PMC1769353](#)
31. 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.
32. 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.
33. **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.
6. Kiran, S., & Roberts, P (2011). What do we know about assessing language impairment in bilingual aphasia? In M. Gitterman, L. Obler, & M. Goral (Eds). *Multilingual Matters: Multilingual Aphasia*.

#### **Peer Reviewed Conference Proceedings/Conference Abstracts**

1. 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.
2. 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.
  3. Kiran, S. & Lebel, S. (2007). *Crosslinguistic semantic and translation priming in normal bilingual individuals and bilingual aphasia.* Cognitive Neuroscience Society, New York, NY.
  4. Kiran, S. Shamapant, S., DeLyria. (2006). Typicality within well defined categories in aphasia. *Brain and Language, 99, 149-151.*
  5. 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.*
  6. Kiran, S., & Edmonds, (2004). Effect of semantic naming treatment on crosslinguistic generalization in bilingual aphasia. *Brain and Language, 91, 75-77.*
  7. 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*
  8. 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 23<sup>rd</sup> Annual Conference of the Cognitive Science Society (COGSCI-01, Edinburgh, UK), 528-533.* Austin TX: Cognitive Science Society.
  9. 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.*
  10. 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.*
  11. 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. (2008). Typicality treatment for naming deficits in aphasia: Why does it work? *Perspectives: Newsletter of ASHA SID 2, 18 (1), 6-14.*
2. Kiran, S. (2006). Pure alexia: Causes, Characteristics and Treatment. *ASHA SID 2 Newsletter. April 2006*
3. Kiran, S. (2006). Uncommon Language Disorders: Guest Editor Introduction. *ASHA-SID2, Newsletter. April 2006*
4. Kiran, S. (2003). A novel approach to treatment of aphasia: The semantic complexity hypothesis. *Asian Indian Caucus Newsletter. April 2003.*

## **PRESENTATIONS**

### ***Invited Research Presentations***

1. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. University of Connecticut Cognitive Science Program. New Haven, CT
2. Kiran, S. (2010). *Language recovery in individuals with aphasia: Perspectives from neuroimaging and rehabilitation data*. Boston University Institute for Neuroscience, Boston, MA.
3. 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.
4. Kiran, S. (2009). *Application of Neuroimaging in stroke recovery*. Continuing Medical Education Workshop. MNR Medical Institute, Andhra Pradesh, India.
5. 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.
6. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Spaulding Rehabilitation Hospital, Boston, MA.
7. Kiran, S. (2009). *Rehabilitation of lexical retrieval in aphasia: Evidence from semantic complexity*. Boston Aphasia Talks research colloquium series.
8. Roberts, P., & Kiran, S. (2009). *PCI - Bilingual Aphasia: Evidence and Clinical Issues*. Day long workshop at Canadian Association of Speech Language Pathologists, London, Ontario.
9. Kiran, S. (2009). *Bilingual Aphasia: Neural Substrates, cognitive control and rehabilitation*. Center for Language Science, Pennsylvania State University.
10. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. 3<sup>rd</sup> Annual Eleanor M Saffran Cognitive Neuroscience Conference. Philadelphia, PA.
11. Kiran, S. (2008, September). *Bilingual Aphasia: Factors affecting recovery and rehabilitation*. Science of Aphasia IX (SOA). Chalkidiki, Greece.
12. Kiran, S. (2008). The role of exemplar typicality in rehabilitation of naming deficits in aphasia. Boston University, Boston. MA.
13. Kiran, S. (2008, April). *Bench research in Stroke*. Current Concepts in Stroke, Austin, TX
14. Kiran, S. (2007, June). *Rehabilitation of aphasia: Behavioral and Neuroimaging evidence*. MNR Medical College. Hyderabad, India
15. 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.
16. Kiran, S. (2007, March) *Treatment Methods for Aphasia*, Research Imaging Center, University of Texas at San Antonio Health Center, San Antonio, TX.
17. Kiran, S. (2006, Sept). *Aphasia Therapy: Does it really work?* Austin Dysphagia Forum.
18. Kiran, S. (2005, March). *Aphasia: Recovery and Treatment*: ONDCP Quarterly Review, Imaging Research Center, Austin, TX,
19. Kiran, S. (2005, November) *Aphasia: Diagnosis, Recovery & Treatment*. Day long workshop. Panhandle Regional Speech Hearing Association.

20. Kiran, S. (2005, March). *Aphasia: Recovery and Treatment*: ONDCP Quarterly Review, Imaging Research Center, Austin, TX,
21. Kiran, S. (2005, April). *Aphasia: Recovery & Treatment*. Advanced Course, Texas Speech and Hearing Convention.
22. Kiran, S. (2005, April) *Apraxia: Theory, Etiology and Treatment*. Short Course. Texas Speech and Hearing Convention.
23. Kiran, S. (2004, August). *Update of Aphasia Treatment: Bilingualism and Typicality*: Austin Dysphagia Forum.
24. Kiran, S. (2004, April). *Aphasia: Diagnosis, Recovery and Treatment*. Short Course. Texas Speech and Hearing Convention.
25. Kiran, S. (2002, May). *Aphasia: An Update* Austin Stroke Seminar. Sponsored by the American Heart Association.
26. Kiran, S. (2002, April) *Treatment methods in aphasia* Austin Dysphagia Forum.
27. Kiran, S. (2002, Jan) *Current treatment methods for aphasia*. Austin Association of Speech Pathologists.

***Selected Peer Reviewed Conference Presentations since 2003***

1. 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.
2. 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.
3. Kiran, S., Grasemann, U., Sandberg, C. & Miikkulianen, R. (2010). *Simulating Bilingual Aphasia: A Novel Computational Model*. Academy of Aphasia, Athens Greece.
4. 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.
5. Kiran, S., Grasemann, U., Sandberg, C. & Miikkulianen, R. (2010). *Simulating bilingual aphasia Rehabilitation: A novel computational model*. Donostia Workshop on Neurobilingualism, San Sebastian Spain.
6. 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.
7. Bose, A., Durda, K., Kiran, S., & Buchannan, L. (2010). *Verbal fluency in aphasia: word frequency and semantic similarity*. 7<sup>th</sup> International conference on the Mental Lexicon, Windsor, Canada.
8. 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.
9. Roberts, P., & Kiran, S. (2010). *Efficacy of semantic feature analysis in two bilingual adults treated in their weaker language*. 14<sup>th</sup> International Aphasia Rehabilitation Conference, Montreal, Canada.

10. 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.
11. Sebastian, R. & Kiran, S. (2010). *Task Modulated activation patterns in chronic stroke patients with aphasia*. Human Brain Mapping, Barcelona Spain.
12. Sandberg, C. & Kiran, S. (2010). *Abstract and Concrete Noun Processing in Healthy Older Adults using fMRI*. Cognitive Neuroscience Society, Montreal Canada.
13. Sebastian, R. & Kiran, S. (2010). *Task Modulated Neural Activation Patterns in Chronic Stroke Participants with Aphasia*. Cognitive Neuroscience Society, Montreal Canada.
14. 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.
15. Sebastian, R. & Kiran, S. (2009). *Task Modulated Neural Activation Patterns in Chronic Stroke Participants with Aphasia*. Academy of Aphasia, Boston, MA.
16. Sandberg, C. & Kiran, S. (2009). *Abstract and Concrete Noun Processing in Healthy Older Adults using fMRI*. Academy of Aphasia, Boston, MA.
17. Kiran, S. (2009). *Recovery and Rehabilitation of Bilingual Aphasia: The issue of language control and proficiency*. Session on Bilingual language control. 7<sup>th</sup> International Symposium on Bilingualism. Utrecht, Netherlands.
18. Sebastian, R., Sandberg, C., & Kiran, S. (2009). *Semantic Processing in Spanish-English bilinguals with aphasia using fMRI*. 7<sup>th</sup> International Symposium on Bilingualism. Utrecht, Netherlands.
19. Sandberg, C., & Kiran, S., (2009). *Abstract and concrete noun processing in healthy older adults using fMRI*. Clinical Aphasiology Conference, Keystone, CO.
20. Warfield, E., & Kiran, S. (2008). *Impact of Model-Based Semantic Treatment on Standardized Tests of Aphasia*. Poster, ASHA Convention, Chicago, IL.
21. 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.
22. Sebastian, R. & Kiran, S. (2008) *Semantic Processing in Hindi-English Bilinguals Using fMRI*. Human Brain Mapping, Melbourne, Australia, June 2008.
23. Sebastian, R. & Kiran, S. (2008) *Metanalysis of First and Second Language Representation*. Human Brain Mapping, Melbourne, Australia, June 2008.
24. 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.
25. Kiran, S. (2008). *Effect of typicality within ad hoc categories on treatment of lexical retrieval deficits in aphasia*. Clinical Aphasiology Conference. Wyoming, May, 2008.
26. Sandberg, C., Abbott, K., & Kiran, S. (2008). *Treatment of abstract and concrete words for lexical retrieval in aphasia*. Clinical Aphasiology Conference. Wyoming, May, 2008.

27. Harris, J., Kiran, S., & Marquardt, T. (2007). *Thematic Discourse Markers of Communicative Changes: Promoting Communication Wellness*. Poster, ASHA Convention, Boston, MA. November 2007.
28. Rangamani, G & Kiran, S. (2007). *Semantic Representation in Kannada-English Bilinguals: Evidence From Semantic-Category Generation Tasks*. Poster, ASHA Convention, Boston, MA. November 2007.
29. Sebastian, R. & Kiran, S. (2007). *Semantic Processing in Hindi-English Bilinguals Using fMRI*. Poster, ASHA Convention, Boston, MA. November 2007.
30. Kiran, S., Abbott, K., & Sandberg, C. (2007). *Effect of Imageability on Treatment of Naming Deficits in Aphasia*. Poster, ASHA Convention, Boston, MA. November 2007.
31. 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.
32. Sebastian, R. & Kiran, S (2007). *Effect of typicality of ad hoc categories on lexical access*. Poster, Academy of Aphasia, Washington, DC. October, 2007.
33. 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.
34. 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.
35. Kiran, S., Johnson, L., Abbott, K., DeLyria, S., & Ives, B. (2007). *Typicality within well defined categories in aphasia*. Paper, Clinical Aphasiology Conference, Scottsdale, AZ.
36. Sebastian, R., & Kiran, S. (2007). *Effect of typicality of ad hoc categories on lexical access*. Poster, Clinical Aphasiology Conference, Scottsdale, AZ.
37. 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.
38. Kiran, S. & Lebel, S. (2007). *Crosslinguistic semantic and translation priming in normal bilingual individuals and bilingual aphasia*. Poster, Cognitive Neuroscience Society,
39. Sebastian, R. & Kiran, S. (2007). *Neural representation of first versus second language*. Poster, Texas Research Symposium on Language Diversity. Austin, TX
40. Sebastian, R. & Kiran, S. (2007). *Semantic processing in Hindi and English Bilinguals*. Poster, Texas Research Symposium on Language Diversity. Austin, TX
41. Kiran, S., Harris, J., Marquardt, T. (2006). *Communication Wellness Check-Up©: Age-Related Changes in Communicative Abilities*. Paper, ASHA Convention, Miami, FL.
42. Shamapant, S., & Kiran, S. (2006). *Category Generation, Picture Naming & Semantic Relatedness in Indian-English Bilinguals*. Paper, ASHA Convention, Miami, FL

43. Edmonds, L., & Kiran, S. (2006). *Verb Network Strengthening Treatment for Connected Speech in Aphasia*. Poster, ASHA Convention, Miami, FL
44. Edmonds, L., & Kiran, S. (2006). *Verb Network Strengthening Treatment for Sentence Production Deficits in Aphasia*. Poster, ASHA Convention, Miami, FL.
45. Lebel, K., & Kiran, S. (2006). *Cross Linguistic Priming in Spanish-English Bilinguals With Varying Language Proficiency*. Poster, ASHA Convention, Miami, FL
46. Kiran, S. Shamapant, S., DeLyria. (2006). *Typicality within well defined categories in aphasia*. Paper, Academy of Aphasia, Victoria, Canada.
47. 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.
48. Kiran, S., Marquardt, T., & Harris, J. (2005). *Communication Wellness Checkup*. Paper, ASHA Convention. San Diego, CA
49. Allison, K. & Kiran, S. (2005). *Effect of typicality on feature based and perceptually based categories*. Paper, ASHA Convention, San Diego, CA.
50. Shamapant, S., & Kiran, S. (2005). *Effect of typicality on well defined categories*. Paper, ASHA Convention, San Diego, CA.
51. 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
52. 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
53. Edmonds, L. & Kiran, S. (2005). *Effect of Semantic Naming Treatment on Crosslinguistic Generalization in Bilingual Aphasia*. Paper, Clinical Aphasiology Conference, Sannibel Island, FL
54. Fleming, V. & Kiran, S. (2005). *Written discourse comprehension in aphasia: The role of executive function*. Poster, Clinical Aphasiology Conference, Sannibel Island, FL
55. 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.
56. Edmonds, L. & Kiran, S. (2005). *Effect of Semantic Naming Treatment on Crosslinguistic Generalization in Bilingual Aphasia*. Poster, Texas Research Symposium on Language Diversity. Austin, TX
57. Edmonds, L. & Kiran, S. (2004). *Effect of Semantic Naming Treatment on Crosslinguistic Generalization in Bilingual Aphasia*. Paper, ASHA Convention, Philadelphia, PA.
58. Fleming, V. & Kiran, S. (2004). *Written discourse comprehension in aphasia: The role of executive function*. Paper, ASHA Convention, Philadelphia.
59. Kiran, S., & Edmonds, L. (2004). *Effect of Semantic Naming Treatment on Crosslinguistic Generalization in Bilingual Aphasia*. Paper, Academy of Aphasia, Chicago, IL.

60. Kiran, S. (2004). *Imageability Effects in Normal Bilingual Adults: Evidence from Naming to Definition and Semantic Priming Tasks*. Poster, Clinical Aphasiology Conference, Park City, UT.
61. Edmonds, L., & Kiran, S. (2003). *Confrontation naming and semantic relatedness judgments in Spanish/English bilinguals*. Paper, ASHA convention, Chicago, IL
62. Kiran, S., Tuchtenhagen, J., & Spelman. (2003). Effect of training phoneme to grapheme conversion to improve written and oral deficits. Paper, Academy of Aphasia, Vienna, Austria
63. Edmonds, L., & Kiran, S. (2003). *Confrontation naming and semantic relatedness judgments in Spanish/English bilinguals*. Poster, exas Research Symposium on Language Diversity.
64. Edmonds, L., & Kiran, S. (2003). *Confrontation naming and semantic relatedness judgments in Spanish/English bilinguals*. Poster, Clinical Aphasiology Conference, Orcas Island, WA.
65. Kiran, S. (2003). *Effect of phoneme to grapheme conversion on writing, reading and naming deficits in aphasia*. Paper, Clinical Aphasiology Conference, Orcas Island, WA.

## **TEACHING EXPERIENCE**

### ***Doctoral Seminars***

- 2010 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- present Aphasia (SAR 759) (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***

- 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

### *Ph.D Committee: Chair*

Lisa Edmonds (UT –Austin)	August, 2005	<i>The effects of verb/thematic treatment on sentence production in individuals with aphasia</i> Currently faculty at University of Florida
Rajani Sebastian (UT –Austin)	2010	<i>Task modulated neural activation patterns using fMRI in patients with aphasia</i>
Chaleece Sandberg (Boston University)	In progress	3 <sup>rd</sup> year PhD student
Balaji Rangarathnam (Boston University)	In progress	2 <sup>nd</sup> year PhD student
Teresa Gray (Boston University)	In progress	1 <sup>st</sup> year PhD student
Sarah Villard	In progress	1 <sup>st</sup> year MS/PhD student

### *Ph.D. Committee Member*

Adam Jacks (UT –Austin)	2006	<i>Vowel Targeting and Perception in apraxia of speech</i> Supervisor: Thomas P. Marquardt Currently faculty at University of North Caroline, Chapel Hill
Valarie Fleming (UT –Austin)	2007	<i>Cognitive Flexibility and Spoken Discourse in Younger and Older Adults</i> Supervisor: Joyce Harris Currently faculty at Texas State University, San Marcos
Adrian Sierra Garcia (UT –Austin)	2007	<i>Language contexts in speech perception</i> Supervisor: Craig Champlin Currently Research Associate at University of Washington, Seattle
Rachel Allred (UT –Austin)	2009	<i>The role of ipsilesional forelimb experience on functional recovery after unilateral sensorimotor cortex damage in rats.</i> Supervisor: Theresa Jones Currently Research Associate at Brain Research and Rehabilitation Center, Gainesville

## PROFESSIONAL ACTIVITIES

2011-present Editor, AJSLP Clinical Aphasiology Conference Special Issue

- 2010-2012 Associate Editor: Language, Journal of Speech Language and Hearing Research
- 2010- present Reviewer, American Heart Association, Brain and Clinical Sciences Division
- 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.
- 2009-present Ad hoc reviewer, NIDCD Special Emphasis Panel
- 2010-present Ad hoc reviewer, NIH – LCOM review panel
- 2006 ASHA Grantsmanship and Reviewer Training Program. Organized by American Speech Language and Hearing Association and American Speech Language Foundation. Total participants 15.
- 2009- present Reviewer, Human Brain Mapping Conference
- 2008 Reviewer, Cognitive Science Society (2008)
- 2007 Program Committee, Clinical Aphasiology Conference (2008)
- 2006-present 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
- 2001-present Reviewer- *Journal of Speech Language and Hearing Research, Aphasiology, Brain and Language, American Journal of Speech Language Pathology, American Journal of Medical Speech Pathology, Behavior Research Methods, Instruments and Computers, Neuropsychological Rehabilitation, Cognitive Neuropsychology, Journal of Neurolinguistics*

### **CERTIFICATIONS**

- 2009-present Licensed Speech Language pathologist, State of Massachusetts
- 2002-2 009 Licensed Speech Language Pathologist, State of Texas
- 2002-present Certificate of Clinical Competence in Speech-Language Pathology, ASHA

### **PROFESSIONAL AFFILIATIONS**

- 2009-present Member, Program in Neuroscience, Boston University
- 2003-2008 Member, Institute of Neuroscience, University of Texas at Austin
- 2004-present Member, Academy of Aphasia
- 2003-present 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-present Member, Cognitive Neuroscience Society  
2007 Member, Cognitive Science Society  
2002 Member, American Heart Association, Austin Chapter