

**Sofia Vallila Rohter**  
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## **EDUCATION**

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2014	PhD	Massachusetts Institute of Technology, Speech and Hearing Biosciences and Technology, Cambridge, MA
2014	CCC-SLP	MGH-Institute of Health Professions (MGH-IHP), Certificate of Clinical Competence in Speech Language Pathology, Boston, MA
2008	MS	Georgetown University, Linguistics, Washington, DC
2003	BA	UNC-Chapel Hill, Romance Languages, Chapel Hill, NC

## **APPOINTMENTS**

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2015 – present	Assistant Professor, MGH-IHP
2015 – present	Co-Director, Cognitive Neuroscience Group, MGH-IHP
2016 – present	Research Faculty, Stroke Research and Recovery Institute, Spaulding
2015 – present	Research Affiliate, Sargent College of Health & Rehabilitation Sciences, BU
2014 – present	Research Affiliate, Department of Brain and Cognitive Sciences, MIT
2014 – 2015	Post-doctoral Fellow, Aphasia Research Laboratory, Boston University
2013 – 2015	Adjunct Clinical Instructor, MGH-IHP
2013 – present	Speech Language Pathologist, Brigham and Women's Hospital (BWH)
2012 – 2016	Lecturer, Department of Communication Sciences and Disorders, Boston University
2012 – 2013	Clinical Fellow in Speech Language Pathology, BWH
2010 – 2014	NIH Doctoral Trainee, Aphasia Research Laboratory, Boston University
2009 – 2010	NIH Doctoral Trainee, Gabrieli Lab, MIT
2007 – 2008	Graduate Student Researcher, Language Development and Perception Laboratories, University of Maryland

## **AWARDS, HONORS & FELLOWSHIP**

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2017	MGH-IHP Faculty Award for Excellence
2016	ASHA Lessons For Success, Invited participant
2014	MGH-IHP Faculty Award for Excellence
2013	Research Symposium in Clinical Aphasiology, NIDCD Student fellowship
2012	ASHF New Century Scholars Doctoral Scholarship (\$10,000)
2012	Research Symposium in Clinical Aphasiology, NIDCD Student fellowship
2011	Honorable mention, HST IDEA <sup>2</sup> Program
2010	MIT Graduate Woman of Excellence
1999-2003	Johnston Scholar, Full Academic Scholarship to UNC – Chapel Hill

## **PROFESSIONAL MEMBERSHIPS & OTHER EXPERIENCE**

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2015 – 2016	Guest editor, SIG 2 Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders
2015, 2016	ASHA Convention Program Planning Committee: Language Disorders in Adults
2014 – present	American Speech-Language-Hearing Association (ASHA)
2013 – present	Academy of Aphasia
2013 – present	Society for the Neurobiology of Language
2012	Mentee, ASHA Mentoring Academic Research Careers (MARC) Program
2011 – present	Cognitive Neuroscience Society (CNS)

2009 – 2013 National Student Speech Language Hearing Association (NSSHLA)

## PUBLICATIONS

**Refereed Journal Articles** \* Indicates mentored student

**Vallila-Rohter, S.**, Kasparian, L., Kaminski, O., Schliep, M.\*, & Koymen, S. (2018). Implementing a standardized assessment battery for aphasia in acute care. *Seminars in Speech and Language*, 39(1), 37 – 52.

**Vallila-Rohter, S.** (2017). Considering learning ability in language rehabilitation for aphasia. *Perspectives of the ASHA Special Interest Groups*, 2 (SIG2), 23-30.

**Vallila-Rohter, S.** (2017). Guest Editor's Column. *Perspectives of the ASHA Special Interest Groups*, 2 (SIG2), 3-6.

Kastenbaum, J., Bedore, L., Pena, E., Sheng, L., Mavis, I., Sebastian, R., **Vallila-Rohter, S.**, & Kiran, S. (under revision). The influence of proficiency and language combination on bilingual lexical access. Submitted to *Bilingualism: Language and Cognition*

Des Roches, C., **Vallila-Rohter, S.**, Villard, S., Tripodis, Y., Caplan, D., & Kiran, S. (2016). Evaluating treatment and generalization patterns of two theoretically motivated sentence comprehension therapies. *American Journal of Speech Language Pathology*, 25, 743-757.

**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*. 58(4), 1195-1209

**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 - 37.

**Vallila-Rohter, S.**, & Kiran, S. (2013). Non-linguistic learning in aphasia: evidence from a paired associate and feedback based task. *Neuropsychologia*, 51(1), 79-90.

## Book Chapters

**Vallila-Rohter, S.** & Kiran, S. (2015). Diagnosis and treatment of semantic disorders. In A. Hillis (Ed.), *The Handbook of Adult Language Disorders*, 2<sup>nd</sup> Edition. New York, NY: Psychology Press.

Heaton, J. & **Vallila-Rohter, S.** (2015). Chapter 1: Anatomy and physiology of communication and swallowing. In A. Johnson & G. Lof (Eds.) *PRAXIS: Speech-Language Pathology Examination Study Guide*. Evanston: TherapyEd.

## Conference Proceedings

Gallee, J.\* & **Vallila-Rohter, S.** (2018, May). Effects of increasing lexical retrieval attempts in tablet-based naming therapy for aphasia. Platform to be presented at the 20<sup>th</sup> International Conference on Aphasia and Clinical Neurolinguistics, Berlin, Germany.

**Vallila-Rohter, S.**, & Dinh, D.\* (2017, November). Examining the relationship between language and learning: Insights from the serial reaction time task. Platform presented at the Academy of Aphasia Meeting, Baltimore, MD.

**Vallila-Rohter, S.**, Kaminski, O., Kasparian, L., Schliep, M.\*, Koymen, S. (2017, November). *Implementation of a standardized assessment battery for the evaluation of aphasia in acute care.* Presented at the American Speech and Hearing Association Meeting, Los Angeles, CA.

Gray, T., **Vallila-Rohter, S.**, & Villard, S. (2017, November). *Thinking beyond language: Bilingualism, attention and learning in aphasia.* Presented at the American Speech and Hearing Association Meeting, Los Angeles, CA.

Dinh, D.\* & **Vallila-Rohter, S.** (2017, November). *Implicit and rule-based sequence learning in individuals with aphasia.* Poster presented at the American Speech and Hearing Association Meeting, Los Angeles, CA.

**Vallila-Rohter, S.**, Zipse, L., & Nicholas, M. (2016, November). *Nonverbal cognition in aphasia: Why SLPs should pay attention to learning.* 2-hour Oral presentation submitted for presentation at the American Speech and Hearing Association Meeting, Philadelphia, PA

Blank, I.A., **Vallila-Rohter, S.**, Kiran, S., & Fedorenko, E. (August, 2016). *Functional reorganization of the brain networks that support language processing following brain damage in aphasia.* Poster presented at the Society for the Neurobiology of Language Meeting, London, England.

Borders, J.\*, Arbel, Y., **Vallila-Rohter, S.**, & Zipse, L. (2016, April). *Feedback Processing in Paired Associate Declarative Learning of Linguistic and Nonlinguistic Paradigms.* Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

**Vallila-Rohter, S.** & Kiran, S. (2016, April). *The influence of language on nonlinguistic learning.* Poster presented at the Cognitive Neuroscience Society Meeting, New York, NY.

Kastenbaum, J., Kiran, S., **Vallila-Rohter, S.**, Pena, E., Bedore, L., & Sheng, L. (2015, November). *The influence of language combination and proficiency on bilingual lexical access.* Poster presented at the American Speech and Hearing Association Meeting, Denver, CO.

**Vallila-Rohter, S.**, Blank, I.A., Fedorenko, E., & Kiran, S. (October, 2015). *Does linguistic ability impact nonlinguistic learning? The neural bases of*

*nonlinguistic learning in aphasia*. Platform presented at the Academy of Aphasia Meeting, Tucson, AZ.

Blank, I.A., **Vallila-Rohter, S.**, Kiran, S., & Fedorenko, E. (October, 2015). *Functional reorganization of the large-scale brain networks that support high-level cognition following brain damage in aphasia*. Platform presentation at the Academy of Aphasia Meeting, Tucson, AZ.

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.

**Vallila-Rohter, S.**, & Kiran, S. (2015, June). *Neural activations during feedback-based and paired associate category learning in aphasia*. Poster presented at the annual NeuroHam Conference, Boston, MA.

**Vallila-Rohter, S.**, & Kiran, S. (2015, June). *Neural activations during feedback-based and paired associate category learning in aphasia*. Poster presented at the annual Organization for Human Brain Mapping Meeting, Honolulu, HI.

**Vallila-Rohter, S.**, Des Roches, C., Villard, S., Tripodis, Y., Caplan, D., & Kiran, S. (2015, May). *Evaluating treatment and generalization patterns of two theoretically motivated sentence comprehension therapies*. Platform presentation at the annual Clinical Aphasiology Conference, Monterey, CA.

**Vallila-Rohter, S.**, & Kiran, S. (2015, March). *Neural correlates of probabilistic category learning in aphasia*. Poster presented at the 22nd annual Cognitive Neuroscience Society Meeting, San Francisco, CA.

**Vallila-Rohter, S.**, & Kiran, S. (2013, November). *Neural activations during nonlinguistic category learning in individuals with aphasia*. Poster presented at the annual Society for the Neurobiology of Language Conference, San Diego, CA.

**Vallila-Rohter, S.**, & Kiran, S. (2013, May). *Learning ability as a predictor of success with therapy*. Poster presented at the annual Clinical Aphasiology Conference, Tucson, AZ.

**Vallila-Rohter, S.**, & Kiran, S. (2012, May). *Non-linguistic learning in aphasia: Effects of training method and stimulus characteristics*. Poster presented at the annual Clinical Aphasiology Conference, Lake Tahoe, CA.

**Vallila, S.** & Kiran, S. (2012, March). *Exploration into feedback and non-feedback based learning in aphasia*. Poster presented at the 19th annual Cognitive Neuroscience Society Meeting, Chicago, IL.

**Vallila, S.** & Kiran, S. (2011, November). *Exploration into feedback and non-feedback based learning in aphasia*. Paper presented at the annual American Speech and Hearing Association Convention, San Diego, CA.

**Vallila, S.** & Kiran, S. (2011, October). *Exploration into feedback and non-feedback based learning in aphasia*. Poster presented at the 49th annual meeting of the Academy of Aphasia, Montreal, QC.

## TEACHING EXPERIENCE

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### Graduate Courses (MGH-IHP unless otherwise indicated)

2017 – present	Research Design and Statistics for Communication Sciences and Disorders
2016 - present	Neuroanatomy & Neurophysiology of Communication & Swallowing
2016 – present	Anatomy and Physiology of Speech & Hearing Mechanisms
2015 - present	IMPACT I & II: Interprofessional Practice
2013 - present	Physiology, Acoustics & Perception of Speech
2013 - 2015	Cognition and Neural Bases (Boston University)
2012 - 2015	Phonetic Transcription and Introduction to Acoustic Phonetics

## RESEARCH AND TRAINING SUPPORT

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### Completed Research/Training Support

MGH-IHP Faculty Research Fellowship (PI: Sofia Vallila Rohter) 7/1/2016 – 7/1/2017  
*Evaluating the effectiveness of tablet-based naming therapy for aphasia: Does strategy training make a difference?*

This project aimed to examine the effectiveness of hybrid face-to-face and telepractice therapy program targeting the rehabilitation of naming impairments in aphasia.

NIH/NIDCD R33DC010461 (PI: Swathi Kiran) 9/2014 – 6/2015

*Theoretically based treatment for sentence comprehension deficits in aphasia*

This project aimed to develop two treatments for patients with sentence comprehension deficits and to examine generalization to untrained sentence structures and to discourse.

Role: Post-doctoral Fellow

NIH/NIDCD T32 DC00038 9/2013 – 2/2014

Speech and Hearing Biosciences and Technology Training Grant dedicated to multidisciplinary training in basic, clinical and applied approaches to the study of all aspects of human communication and the treatment of its disorders.

Role: Doctoral Trainee

NIH/NIDCD T32 DC00038 8/2008 – 8/2011

Speech and Hearing Biosciences and Technology Training Grant dedicated to multidisciplinary training in basic, clinical and applied approaches to the study of all aspects of human communication and the treatment of its disorders.

Role: Doctoral Trainee