

## 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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2022 – present	Research Associate, Harvard Medical School
2020 – present	Associate Professor, MGH Institute of Health Professions
2018 – present	Speech-Language Pathology Concentration Chair, Speech and Hearing Bioscience and Technology Program, Harvard University, Division of Medical Sciences
2015 – present	Co-Director, Cognitive Neuroscience Group, MGH-IHP
2016 – present	Research Faculty, Stroke Research and Recovery Institute, Spaulding
2015 – 2020	Assistant Professor, MGH-IHP
2014 – 2020	Research Affiliate, Department of Brain and Cognitive Sciences, MIT
2015 – 2018	Research Affiliate, Sargent College of Health & Rehabilitation Sciences, BU
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

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2020	Nancy T. Watts Award for Excellence in Teaching
2020, 2017, 2014	MGH-IHP Faculty Award for Excellence
2019	MGH-IHP New Investigator Award
2018	ASHA Research Mentoring-Pair Travel Award Recipient (mentor)
2016	ASHA Lessons For Success, Invited participant
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
1999-2003	Johnston Scholar, Full Academic Scholarship to UNC – Chapel Hill

### PUBLICATIONS

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

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ORCID: 000-0003-4812-4531, Scopus ID: 55516268900

1. Rishi, P.\*, Nunn, K.\*, **Vallila-Rohter, S.** (under review). Errorless and errorful learning in people with aphasia across novel-object pairing and word retrieval tasks.
2. Nunn, K.\*, Creighton, R.\*, Tilton-Bolowsky, V.\*, Arbel, Y., **Vallila-Rohter, S.** (2024). Delaying feedback during category-learning affects learning and feedback processing differently for younger and older adults. *Frontiers in Aging Neuroscience*.

3. Nunn, K.,\*, Arbel, Y., **Vallila-Rohter, S.** (2023) An electrophysiological and behavioral investigation of feedback- based learning for aphasia. *Aphasiology*. 1-27.  
[10.1080/02687038.2023.2267780](https://doi.org/10.1080/02687038.2023.2267780)
4. Tierney-Hendricks\*, Schliep, M., **Vallila-Rohter, S.** (2023). Perceived barriers and facilitators to outcome measurement and treatment practices in aphasia rehabilitation. *Disability and Rehabilitation*, 1-16. doi.org/10.1080/09638288.2023.2288221
5. Tierney-Hendricks\*, C., Miller, J., Conger, S., Palan Lopez, R., **Vallila-Rohter, S.** (2023). 'It's been an extraordinary journey': Experience of engagement from the perspectives of people with post-stroke aphasia. *International Journal of Language & Communication Disorders*
6. Tilton-Bolowsky, V.\* , Hoffman, L.\* , Nunn, K.\* , Evans, W., **Vallila-Rohter, S.** (2023). Incorporating metacognitive strategy training during semantic treatment promotes restitutive and substitutive gains in naming: A single-subject investigation. *American Journal of Speech - Language Pathology*.
7. Nunn, K.\*, **Vallila-Rohter, S.** (2023). Theory-driven treatment modifications: A discussion on meeting the linguistic, cognitive and psychosocial needs of individuals clients with aphasia. *Journal of Communication Disorders*. 13 (103). doi: 10.1016/j.jcomdis.2023.106327
8. Tilton-Bolowsky, V.\* , Laks, A., van der Stelt, C., Dobbins, C., Turkeltaub, P., & **Vallila-Rohter, S.** (2023). Evaluating circumlocution in naming as a predictive factor of discourse production in aphasia. *Aphasiology*, <https://doi.org/10.1080/02687038.2023.2183076>
9. Nunn, K.\*, **Vallila-Rohter, S.**, Middleton, E. (2023). Errorless learning, errorful learning, and retrieval practice for naming treatment in aphasia: A scoping review of learning mechanisms and treatment ingredients. *Journal of Speech, Language, and Hearing Research*. 66(2):668-687. [https://doi.org/10.1044/2022\\_JSLHR-22-00251](https://doi.org/10.1044/2022_JSLHR-22-00251)
10. Tierney-Hendricks, C.\* , Schliep, M., **Vallila-Rohter, S.** (2021). Using an implementation framework to survey outcome measurement and treatment practices in aphasia. *American Journal of Speech Language Pathology*. [https://doi.org/10.1044/2021\\_AJSLP-21-00101](https://doi.org/10.1044/2021_AJSLP-21-00101)
11. Tilton-Bolowsky, V.\* , **Vallila-Rohter, S.** & Arbel, Y. (2021). Strategy development and feedback processing during complex category learning. *Frontiers in Psychology*. 12, 672330-672330.
12. Schliep, M.\* , Tilton-Bolowsky, V.\* , & **Vallila-Rohter, S.** (2021). Cue responsiveness as a measure of emerging language ability in aphasia. *Topics in Stroke Rehabilitation*. 1, 1-13.
13. Gallee, J.\* , Pittman, R., Pennington, S., & **Vallila-Rohter, S.** (2020). The impact of strategy training on outcomes of tablet-based therapy targeting anomia in individuals with aphasia. *Frontiers in Neurology*. 11, 1415.
14. Schliep, M.\* , Kasparian, L., Kaminski, O., Hendricks, C.\* , Ayuk, E., Brady Wagner, L., Koymen, S., & **Vallila-Rohter, S.** (2020). Implementing a standardized language evaluation in the acute phases of aphasia: Linking evidence-based practice and practice-based evidence. *Frontiers in Neurology*. 11,412.
15. **Vallila-Rohter, S.** & Czupryna, B.\* (2020). Investigating attentional allocation with eye tracking during category learning in people with aphasia. *Topics in Language Disorders*, 41(1), 110 – 123.

16. Sitren, A.\*, & **Vallila-Rohter, S.** (2019). How well do we use our technology?: Examining iPad navigation skills in individuals with aphasia and older adults. *American Journal of Speech Language Pathology*, 28(4), 1523 – 1536.
17. Kastenbaum, J., Bedore, L., Pena, E., Sheng, L., Mavis, I., Sebastian, R., **Vallila-Rohter, S.**, & Kiran, S. (2018). The influence of proficiency and language combination on bilingual lexical access. *Bilingualism: Language and Cognition*, 1-31.
18. **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.
19. **Vallila-Rohter, S.** (2017). Considering learning ability in language rehabilitation for aphasia. *Perspectives of the ASHA Special Interest Groups*, 2 (SIG2), 23-30.
20. 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.
21. **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
22. **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.
23. **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

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1. Villard, S., Zipse, L., & **Vallila-Rohter, S.** (in press). Language & Cognition. In S. Kiran & E. Andrews (Eds.) *Cambridge Handbook of Language and the Brain*. Cambridge University Press.
2. Heaton, J. & **Vallila-Rohter, S.** (2021). Chapter 2: Anatomy and physiology of communication and swallowing. In A. Johnson & G. Lof (Eds.) *PRAXIS: Speech-Language Pathology Examination Study Guide* (2<sup>nd</sup> edition). Evanston: TherapyEd.
3. **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.
4. 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

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1. Freeman, J.\*, Haynes, C., Lopez, R., & **Vallila-Rohter, S.** (May, 2024). Social Trauma and Vocal Trauma among LGBTQIA+ Singers: Creating a Platform for Personal Narrative and Identity. Poster presented at The Voice Foundation Conference, Philadelphia, PA
2. **Vallila-Rohter, S.** (October, 2023). Brain regions associated with rule-based and observational learning abilities in post-stroke aphasia. Poster presented at the Society for Neurobiology of Language Conference, Marseille, France
3. **Vallila-Rohter, S.**, Nunn, K.\*, Tilton-Bolowsky, V.\*, Goturi, N.\* (October, 2023). Artificial grammar learning in aphasia via observation vs. rules. Poster presented to the Academy of Aphasia Conference, Reading, England.
4. Nunn, K.\*, Arbel, Y., **Vallila-Rohter, S.** (October, 2023). Feedback processing during nonword learning in aphasia: An event-related potential study. Poster presented at the Academy of Aphasia Conference, Reading, England.
5. Van Stan, J., Raymon, C., Ward, M., Hillman, R., **Vallila-Rohter, S.**, Wolfberg, J. (October, 2023) Rehabilitation treatment specification system for voice therapy: Dosage of vocal practice and informational ingredients in everyday clinical care. Poster presented at The Fall Voice Conference, Washington, DC.
6. Tilton-Bolowsky, V.\*, Brock, L.\*, Nunn, K.\*, Evans, W., **Vallila-Rohter, S.** (November, 2023). Modifying semantic feature analysis (SFA) to improve people with aphasia's use of the SFA strategy. Poster presented to the American Speech and Hearing Association Conference, Boston, MA.
7. Bolowsky, V.\*, Brock, L.\*, Nunn, K.\*, Evans, W., **Vallila-Rohter, S.** (June, 2023). Semantic feature analysis + metacognitive strategy training increases self-cueing and independent semantic feature generation in moments of anomia. Poster presented at the Clinical Aphasiology Conference, Atlantic City, NJ.
8. Nunn, K.\*, Arbel, Y., **Vallila-Rohter, S.** (June, 2023). An evaluation of self-reported stress levels in persons with aphasia during a feedback-based learning task. Poster presented at the Clinical Aphasiology Conference, Atlantic City, NJ.
9. Nunn, K.\*, **Vallila-Rohter, S.**, Arbel, Y. (October, 2022). Feedback-based nonword learning in aphasia: Exploring the role of language and cognition. Poster presented at the Annual Academy of Aphasia Conference.
10. Tilton-Bolowsky, V.\*, Hoffman, L.\*, **Vallila-Rohter, S.** (October, 2022). Incorporating metacognitive strategy training into semantic treatment promotes generalization and improves functional communication in aphasia. Talk presented at the Academy of Aphasia Conference.
11. Van-Stan, J., Meulenbroek, P., Rogus-Pulia, N., **Vallila-Rohter, S.**, & Zanca, J. (October, 2022). Applying the rehabilitation treatment specification system across speech language pathology. Symposium presentation submitted for the Annual American Congress of Rehabilitation Medicine (ACRM) Conference.
12. Cabrera-Thompson, D.\*, Russell, M.\*, Pittman, R., **Vallila-Rohter, S.** (November, 2022). Exploring the relationship between risk-taking, anxiety, depression and functional language use in people with aphasia. Poster submitted to the Annual American Speech and Hearing Associate Conference.

13. Tierney-Hendricks, C.\*, Schliep, M., **Vallila-Rohter, S.** (May, 2022) Using implementation frameworks to examine current practices and barriers in aphasia service delivery. Poster presented at the Clinical Aphasiology Conference, Wrightsville Beach, NC.
14. Nunn, K.\*, Middleton, E., **Vallila-Rohter, S.** (May, 2022). Leveraging the rehabilitation treatment specification system to synthesize evidence on errorless learning, errorful learning, and retrieval practice for naming in aphasia. Poster presented at the Clinical Aphasiology Conference, Wrightsville Beach, NC.
15. Nunn, K.\*, Middleton, E., **Vallila-Rohter, S.** (June, 2022). How can clinicians support learning during naming treatment for aphasia? A review of the learning mechanisms underlying errorless learning, errorful learning, and retrieval practice. Talk presented at the International Aphasia Rehabilitation Conference, Philadelphia, PA.
16. Metrano, A.\*, Pennington, S., **Vallila-Rohter, S.**, Zipse, L., & Nicholas, M. (November, 2021). Understanding event processing in people with aphasia. Poster presented at the Annual American Speech and Hearing Association Conference.
17. Rishi, P.\*, Nunn, K., Pittman, R., Arbel, Y., & **Vallila-Rohter, S.** (November, 2021). Identifying individual learning profiles for errorless and errorful aphasia therapy. Poster presented at the Annual American Speech and Hearing Association Conference.
18. Rubio, A.\*, Inzana, R., Pennington, S., & **Vallila-Rohter, S.** (November, 2021). Learning system considerations in aphasia rehabilitation in sentence comprehension training. Poster presented at the Annual American Speech and Hearing Association Conference.
19. Tierney-Hendricks, C.\*, Schliep, M., & **Vallila-Rohter, S.** (November, 2021). Implementation Science: Frameworks, Strategies, Outcomes and Application in CSD. Oral Seminar presented at the Annual American Speech and Hearing Association Conference, Washington, DC.
20. Rishi, P.\*, Nunn, K.\*, Arbel, Y., Pittman, R., & **Vallila-Rohter, S.** (October, 2021). Examining cognitive-linguistic and learning abilities in people with aphasia utilizing language retrieval and novel object pairing tasks. Poster accepted for presentation at the Academy of Aphasia Conference, virtual.
21. Tilton-Bolowsky, V.\*, **Vallila-Rohter, S.**, & Arbel, Y. (2021, January). Strategy development and feedback processing during complex category learning in young adults. Poster presented at the Society for Neuroscience Conference.
22. Nunn, K.\*, Creighton, R.\*; Tilton-Bolowsky, V.\*; Arbel, Y.; & **Vallila-Rohter, S.** (2020, October). Age matters: Understanding feedback processing in older adults and implications for aphasia treatment. Poster presented at the Annual Academy of Aphasia Conference, virtual.
23. Schliep, M.\*; Tilton-Bolowsky, V.\*; & **Vallila-Rohter, S.** (2020, October). Cue responsiveness as a measure of emerging language ability in aphasia. Poster presented at the Annual Academy of Aphasia Conference, virtual.
24. Tierney-Hendricks, C.\*; De Novi, N.\*; & **Vallila-Rohter, S.** (2020, October). Observational and rule-based artificial grammar learning in people with aphasia. Poster presented at the Annual Academy of Aphasia Conference, virtual.

25. Schliep, M.\*, Tilton-Bolowsky, V.\*, Caplan, D., & **Vallila-Rohter, S.** (2020, May). Responsiveness to cues as a measure of emerging language ability in aphasia. Poster presented at the Annual Cognitive Neuroscience Society Conference, virtual.
26. Tierney-Hendricks, C.\*, De Novi, N.\*, & **Vallila-Rohter, S.** (2020, May). Observational and Rule-based Artificial Grammar Learning in Individuals with Aphasia. Poster presented at the Annual Cognitive Neuroscience Society Conference, virtual
27. Nunn, K.\*, Creighton, R.\*, Tilton-Bolowsky, V.\*, Arbel, Y., & **Vallila-Rohter, S.** (2020, March). Using event related potentials to understand the effect of feedback timing on learning systems. Poster presented at the Annual Cognitive Neuroscience Society Conference, virtual.
28. Bolowsky, V.\*, Hong, L.\*, Borders, J.\*, **Vallila-Rohter, S.**, & Arbel, Y. (2020, March). Strategy implementation and feedback processing in healthy young adults. Poster presented at the Annual Cognitive Neuroscience Society Conference, virtual
29. Hendricks, C.; Schliep, M.\*; Ayuk, E.; Levine, C.\*; Brady Wagner, L. & **Vallila-Rohter, S.** (2019, November) Assessing change and predicting outcomes in aphasia rehabilitation. Poster presented to the American Speech and Hearing Association Meeting, Orlando, FL.
30. Gallee, J.\* & **Vallila-Rohter, S.** (2019, October). Incorporating Strategy Training into Tablet-Based Anomia Therapy for People with Aphasia. Poster presented at the Academy of Aphasia Conference, Macau, China.
31. Gallee, J.\* & **Vallila-Rohter, S.** (2019, May). Incorporating Strategy Training into Tablet-Based Anomia Therapy for People with Aphasia. Poster presented at the Clinical Aphasiology Conference, Whitefish, MO.
32. Gallee, J.\* & **Vallila-Rohter, S.** (2019, March). Incorporating Strategy Training into Tablet-Based Anomia Therapy for People with Aphasia. Poster presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.
33. **Vallila-Rohter, S.** (2018, November). Incorporating Learning into Aphasia Rehabilitation. Invited talk at the Academy of Neurologic Communication Disorders and Sciences Meeting, Boston, MA.
34. Czupryna, B.\*, & **Vallila-Rohter, S.** (2018, November). Investigating Attentional Allocation with Eye Tracking During Category Learning in People with Aphasia. Poster presented at the American Speech and Hearing Association Meeting, Boston, MA.
35. Dubas, E. & **Vallila-Rohter, S.** (2018, November). Considerations When Incorporating Tablet-Based Programs in Aphasia Rehabilitation. Talk presented at the American Speech and Hearing Association Meeting, Boston, MA.
36. Gallee, J.\*, & **Vallila-Rohter, S.** (2018, November). Does Strategy Training to Increase Lexical Retrieval Attempts Facilitate Gains in Naming Therapy for Aphasia? Poster presented at the American Speech and Hearing Association Meeting, Boston, MA.
37. Mikhail, J.\* & **Vallila-Rohter, S.** (2018, November). Attentional Allocation During Category Learning in People with High Functioning Autism. Poster presented at the American Speech and Hearing Association Meeting, Boston, MA.
38. Schliep, M.\*, Kasparian, L., Kaminski, O., Hendricks, C., Ayuk, E., Brady-Wagner, L., North, B.\*, Koymen, S., & **Vallila-Rohter, S.** (2018, November). The Impact of Standardizing Language

- Assessments From the Acute to Subacute Continuum of Care. Talk presented at the American Speech and Hearing Association Meeting, Boston, MA.
39. Sitren, A.\* & **Vallila-Rohter, S.** (2018, November). How Well Do We Know Our Technology?: Examining iPad Skills in PWA and Older Adults. Poster presented at the American Speech and Hearing Association Meeting, Boston, MA.
  40. Wilner, A.\*; Nicholas, M.; **Vallila-Rohter, S.**; Zipse, L.; & Pittmann, R. (2018, November). Processing of Observed Action Events in People With Aphasia (PWA). Poster presented at the American Speech and Hearing Association Meeting, Boston, MA.
  41. **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.
  42. **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.* Oral presentation at the American Speech and Hearing Association Meeting, Los Angeles, CA.
  43. Gray, T., **Vallila-Rohter, S.**, & Villard, S. (2017, November). *Thinking beyond language: Bilingualism, attention and learning in aphasia.* Oral presentation at the American Speech and Hearing Association Meeting, Los Angeles, CA.
  44. 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.
  45. **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
  46. 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.
  47. 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.
  48. **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.
  49. 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.
  50. **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.

51. 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.
52. 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.
53. **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.
54. **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.
55. **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.
56. **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.
57. **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.
58. **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.
59. **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.
60. **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.
61. **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.
62. **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

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

2017 – 2021	Research Design and Evidence Based Practice for Communication Sciences and Disorders
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2016 - present	Neuroanatomy & Neurophysiology of Communication & Swallowing
2016 – 2021	Anatomy and Physiology of Speech & Hearing Mechanisms
2015 - 2018	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
2015 – present	Repeat guest lecturer: Concepts in Research in Rehabilitation Sciences
2015 – present	Repeat guest lecturer: Human Neurophysiology, (Boston University Medical Center)
2019 – present	Repeat guest lecturer: Principles of Oral Health, Harvard School of Dental Medicine

## **MENTORSHIP - GRADUATE STUDENT AND DOCTORAL STUDENT MENTORSHIP**

### **Doctoral Advisement**

PhD Research Mentor: Kristen Nunn, MGH-Institute of Health Professions	2019 – 2023
<i>Feedback in aphasia rehabilitation: Evaluating task modifications and learning outcomes</i>	
PhD Research Mentor: Carla Tierney, MGH-Institute of Health Professions	2019 – 2023
<i>Leveraging implementation science to explore aphasia service delivery and client engagement</i>	
PhD Research Mentor: Victoria Bolowsky, MGH-Institute of Health Professions	2018 – 2022
<i>The development and application of strategies in learning and aphasic language recovery</i>	
PhD Research Mentor: Megan Schliep, MGH-Institute of Health Professions	2017 - 2020
<i>Clinically accessible metrics to inform learning and recovery in post-stroke aphasia</i>	

PhD Doctoral Research Rotation Mentor: Jeanne Gallee, Harvard Medical School 2017 - 2019

Oral Qualifying committee chair: Anna Stewart, Harvard Medical School, 2024  
 Oral Qualifying committee chair: Lena O'Flynn, Harvard Medical School, 2023  
 Oral Qualifying committee chair: Rahul Brito, Harvard Medical School, 2023  
 Oral Qualifying committee member: Savetrie Bachan, MGH-IHP, 2022  
 Oral Qualifying committee member: Amanda O'Brien, Harvard Medical School, 2021  
 Oral Qualifying committee member: Ayelet Kershenbaum, Harvard Medical School, 2021  
 Oral Qualifying committee member: Leo Zekelman, Harvard Medical School, 2020  
 Oral Qualifying committee member: Laura Toles, MGH-Institute of Health Professions, 2020  
 Oral Qualifying committee member: Katie Marks, MGH-Institute of Health Professions, 2020

Dissertation Advisory Committee Chair, Lena O'Flynn, Harvard Medical School, 2024 – present  
 Dissertation Advisory Committee Chair, Leo Zekelman, Harvard Medical School, 2023 – present  
 Dissertation Advisory Committee Chair, Ayelet Kershenbaum, Harvard Medical School, 2022 - 2024  
 Dissertation Committee, Ja Young Choi, Harvard Medical School, 2022

Concentration Advisor, Natalie King-Shaw, Harvard Medical School, 2024 – present  
 Concentration Advisor, Rahul Brito, Harvard Medical School, 2022 – present  
 Concentration Advisor, Lena O'Flynn, Harvard Medical School, 2022 – present  
 Concentration Advisor, Anna Stewart, Harvard Medical School, 2022 – present

### **Master's Advisement**

Thesis advisor: Kayley Foster, 2024  
 Thesis advisor: Mei-Hua Li, 2024  
 Thesis advisor: Destiny Cabrera, 2022, *Exploring the relationship between risk-taking, anxiety, depression and functional language use in people with aphasia*  
 Thesis advisor: Alix Rubio, 2021, *Learning system considerations in aphasia rehabilitation using sentence comprehension training*  
 Thesis advisor: Rishi Preeti, 2021, *Examining individual learning profiles for errorful and errorless aphasia therapy*

- Thesis advisor: Marissa Russell, *"A measure of social risk taking for use in people with aphasia"*, 2020
- Thesis advisor: Robert Creighton, *"Prototype learning in people with aphasia: ERP differences in immediate and delayed feedback,"* 2019
- Thesis advisor: Natasha de Novi, *"Artificial grammar learning and sequence learning in individuals with aphasia,"* 2019
- Thesis advisor: Brendan Czupryna, *"Category learning in people with aphasia: Investigating strategy use with eye tracking,"* 2018
- Thesis advisor: Amanda Sitren, *"How well do we know our technology?: Examining iPad navigation skills in PWA and seniors,"* 2018
- Thesis advisor: Joy Mikhail, *"Investigating attentional allocation with eye tracking during category learning in people with high functioning autism,"* 2018
- Thesis advisor: Diana Dinh, *"Implicit and rule-based learning in individuals with aphasia"* 2017
- Thesis committee member: Aditi Parikh, 2023, *Learning of visual triplets in children with and without developmental language disorder*
- Thesis committee member: Caroline Raymond, 2023, *Voice therapy according to the Rehabilitation Treatment Specification System (RTSS-Voice): Reliability and measurement of informational ingredients in standard care voice therapy*
- Thesis committee member: Meghan Ward, 2023, *Voice therapy according to the Rehabilitation Treatment Specification System: Reliability of coding vocal practice ingredients in everyday voice therapy*
- Thesis committee member: Meixian 'Vicky' Lee, 2022, *The effect of feedback timing on feedback-based probabilistic learning in children with developmental language disorder*
- Thesis committee member: Monica Holland, 2022, *School related quality of life in children after hemispherectomy for intractable epilepsy*
- Thesis committee member: Annika Canta, 2022, *The effects of masked auditory feedback in speakers with aphasia and apraxia of speech*
- Thesis committee member: Ziyi (Cathy) Cao, 2022, *Artificial grammar learning in school-aged children with and without developmental language disorder*
- Thesis committee member: Samia Elahi, 2021, *The effects of timing on attention to speech errors*
- Thesis committee member: Alexa Metrano, 2021, *Understanding event processing in people with aphasia*
- Thesis committee member: Zhaoyu (Nico) Lu, *"How children react to redundant feedback – Evidence of ERN and FRN from EEG data"*, 2020
- Thesis committee member: Jocelyn Chokkattu, *"Bilingual and monolingual executive functions and implicit learning strategies in artificial grammar learning tasks"*, 2020
- Thesis committee member: Stephanie Gaglini, *"The feasibility of using a telepractice model to deliver speech and language services in a graduate school clinic"*, 2020
- Thesis committee member: Neha Sharma, *"Event processing in people with aphasia,"* 2019
- Thesis committee member: Emily Feeley, *"Roles of attentional allocation and feedback processing in learning outcomes,"* 2019
- Thesis committee member: Shalom Kim, *"An electrophysiological examination of feedback-based learning with immediate and delayed auditory feedback,"* 2018
- Thesis committee member: Andrew Mancini, *"Evaluation of post-stroke facial movements using 3D depth-sensing facial motion tracking,"* 2018
- Thesis committee member: Anna Wilner, *"Processing of observed action events in people with aphasia,"* 2018
- Thesis committee member: Annette Mitko, *"The role of feedback processing in probabilistic and rule-based category learning in children with SLI,"* 2017
- Thesis committee member: James Borders, *"A developmental examination of feedback processing during declarative learning,"* 2016
- Thesis committee member: Lucia Hong, *"Comparing immediate versus delayed feedback processing in healthy adults,"* 2016

Independent Study Mentor, Jennifer Fellman, "Social Trauma and Vocal Trauma among LGBTQIA+ Singers: Creating a Platform for Personal Narrative and Identity+", spring 2023  
 Independent Study Mentor, Brenda Lovette and Amber Lamarca, "Dissemination and Implementation Science for Rehabilitation Scientists", summer 2022  
 Independent Study Mentor, Sibyl Ambazhachalil "Evaluating interventions to improve language in aphasia – implementation science and experimental approaches", 2020  
 Independent Study Mentor, Carla Tierney Hendricks "Pupillometry as a measure of cognitive effort in people with aphasia", 2020  
 Independent Study mentor: Anna Challet, "Observational and rule-based artificial grammar learning in individuals with aphasia", 2020  
 Independent Study mentor: Emmaleigh Loyer, "Evaluating and treating individuals with frontotemporal dementia: clinical and research considerations", 2019  
 Independent Study mentor: Bridget North, "Evaluating language impairment in an acute care setting", 2018

### **Undergraduate and High School Student Mentorship**

Abhilasha Bellapu, Ardrey Kell High School, fall 2022 – summer 2023  
 Nathan Goturi, Boston University, summer 2022 – present  
 Katelyn Kling, Suffolk University, summer 2022 – summer 2023  
 Iqra Noor, Harvard University, spring 2022 – summer 2023  
 Eliza Hall, BWH Student Success Jobs Program, summer 2019  
 Almalinda Diaz, BWH Student Success Jobs Program, summer 2019  
 Marissa "Dani" Grant, CNG Summer Internship Program, summer 2017  
 Chisom Nwoaha, CNG Summer Internship Program, summer 2016

### **Awards achieved by mentored students:**

Kristen Nunn	2022	Academy of Aphasia NIDCD Young Investigator Travel Fellowship
Carla	2022	Clinical Aphasiology NIDCD Young Investigator Travel Fellowship
Tierney-Hendricks		
Carla	2022	Workshop in Implementation Science and Health Services (WISH)
Tierney-Hendricks		Advancing Grant Writing Skills Workshop Selected Participant
Carla	2021	ASHFoundation New Century Doctoral Scholarship Recipient
Tierney-Hendricks		
Victoria Bolowsky	2021	LSVT Global Student Grant Competition Winner
Victoria Bolowsky	2021	ANCDS Conference Fellowship Awardee
Kristen Nunn	2021	Academy of Neurologic Communication Disorders and Sciences (ANCDS) Fellowship Awardee
Preeti Rishi	2021	Academy of Aphasia NIDCD Young Investigator Travel Fellowship
Preeti Rishi	2021	MGH-IHP Special Recognition in Research Award
Kristen Nunn	2021	Gregory L. Lof Dissertation Support Fund
Kirsten Nunn	2021	General Federation of Women's Clubs Communication Disorders Scholarship
Megan Schliep	2020	Academy of Aphasia NIDCD Young Investigator Travel Fellowship
Kristen Nunn	2020	Academy of Aphasia NIDCD Young Investigator Travel Fellowship
Victoria Bolowsky	2019	Boston City Federation Scholarship for Women Returning to School
Jeanne Gallee	2019	William Orr Dingwall Foundation Dissertation Fellowship in Cognitive, Clinical and Neural Foundations of Language
Brendan Czupryna	2018	MGH-IHP Kenneth Stevens Award for Research

**SERVICE & MEMBERSHIPS outside of the MGH-IHP and within the MGH-IHP****outside of Institute**

2024	Reviewer, Barbara Martin Aphasia Research Grant Competition
2023	BWH Speech and Language Evaluation Mentor/Consultant
2023	Mentor, ASHA Pathways Program
2023	ASHA Language Disorders in Adults Topic Committee
2022	ASHFoundation Grant Review and Reviewer Training Program (GRRT)
2021 – present	JSLHR Editorial Board
2021 – 2023	Rehabilitation Treatment Specification Grant Planning Workgroup, American Congress of Rehabilitation Medicine
2020 – 2022	Frontiers in Neurology Editorial Board
2020 - 2022	Membership Committee, Academy of Aphasia
2020	ASHFoundation Graduate Scholarship Grant Reviewer
2018 - 2019	Guest editor, Topics in Language Disorders, special issue on Learning in Acquired Communication Disorders
2015 – 2016	Guest editor, SIG 2 Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders
2015, 2016, 2022	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)

Peer reviewer for the following journals: *American Journal of Speech Language Pathology (AJSLP)*, *Aphasiology*, *Brain Sciences*, *Cogent Medicine*, *Cortex*, *Disability and Rehabilitation*, *Frontiers in Neurology*, *International Archives of Communication Disorders*, *Journal of Experimental Psychology*, *Journal of Neurolinguistics*, *Journal of Speech Language and Hearing Research (JSLHR)*, *Neuroimage*, *Neuropsychological Rehabilitation*, *Topics in Stroke Rehabilitation*, *Topics in Language Disorders*

**within MGH Institute of Health Professions**

2024	IHP Faculty Senate, Appointment and Promotions Committee
2023, 2024	Simucase Debriefer
2023	IHP Research Strategic Plan – Tactical Team
2023	Peer Facilitator, Power Privilege and Positionality, Health at the Intersection of Race and Immigration
2023	MGH-IHP CSD Department Curriculum Committee on Acquired Disorders
2023 - present	Teddy's Team Scientific Advisory Board
2023 - present	MGH IHP Center for Translational research, Implementation science, and Dissemination for Equity (cTIDE) in CSD, Advisory Board
2023	MGH-IHP Institutional Research and Effectiveness Working Group
2020	Committee Leader, CSD Exit PPP Online Conference featuring Drs. Shameka Stanford and Tracy Conner
2020	Justice, Equity, Diversity and Inclusion (JEDI) Student Experience Task Force Leader, MGH-IHP
2020 – present	Member, Advisory Board, MGH Institute of Health Professions CSD Implementation Science Conference

**RESEARCH AND TRAINING SUPPORT****Active Research Support**

R21 DC019203-01 (PI: Sofia Vallila Rohter)

12/01/2020 – 11/30/2023

NIH/NIDCD grant

*Determining the implicit and rule-based learning ability of individuals with aphasia to better align learning ability and intervention.*

This project proposes a series of studies in which we manipulate task to probe the integrity of implicit and explicit learning systems in aphasia.

Total Amount: \$479,967

### **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.

Total Amount: \$10,000

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