

Amanda M. O'Brien, PhD, CCC-SLP

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EDUCATION AND POSTDOCTORAL TRAINING

Massachusetts Institute of Technology, Cambridge, MA January 2026 - Present
Simons Center for the Social Brain, Department of Brain and Cognitive Sciences
Postdoctoral Fellow; Advisors: Laura Schulz; MIT & Erika Bergelson; Harvard

Harvard University, Cambridge, MA September 2025 – December 2025
Laboratory for Developmental Studies, Department of Psychology
Postdoctoral Research Fellow; Advisor: Erika Bergelson, PhD

Harvard University, Cambridge, MA May 2025
Graduate School of Arts and Sciences, Division of Medical Sciences
PhD in Speech and Hearing Bioscience and Technology (SHBT)
Dissertation: The Role of the Motor System in Speech and Language in Autism
Dissertation Advisor: John D. E. Gabrieli, PhD; Massachusetts Institute of Technology

Boston University, Boston, MA September 2015
Sargent College of Health and Rehabilitation Sciences
Master of Science in Speech-Language Pathology

Hamilton College, Clinton, NY May 2013
Bachelor of Arts in Neuroscience, *magna cum laude*
Thesis: Communication in Autism: Neural Mechanisms of Emotional Face Processing
Thesis Advisor: Jeremy Skipper, PhD

GRANTS & FELLOWSHIPS

Simons Center for the Social Brain, Postdoctoral Fellowship 2026 – 2027
Title: *Symbolic Understanding in Early Development: Examining Links Between Speech, Comprehension, Gesture, and Play*
Role: PI; Advisors: Laura Schulz & Erika Bergelson; Total award: \$86,000

NIH/NIDCD F31 Ruth L. Kirschstein National Research Service Award 2023 – 2025
Title: *The Role of the Motor System in Speech and Language in Autism*
Role: PI; Advisors: John Gabrieli & Helen Tager-Flusberg; Total award: \$74,444

Autism Science Foundation Pre-Doctoral Fellowship 2023 – 2024
Declined due to F31

Amelia Peabody Scholarship, Harvard University 2021 - 2022

NIH/NIDCD T32 Institutional National Research Service Award 2019 - 2021

HONORS AND AWARDS

MGH Institute of Health Professions Faculty Award for Excellence in Teaching 2023
ASHA Meritorious Poster Award 2023

Last updated March 2026

Wiley Top Cited Article in <i>Autism Research Journal</i> Award	2022
Resident Assistant Scholar Award, Boston University	2014
Graduate Scholarship, Boston University	2013 - 2014
Honors in Neuroscience, Hamilton College	2013
Hamilton College Service Prize	2013
Hamilton College Outstanding Community Contributions Award	2011 - 2013
Hamilton College Dean's List	2010 - 2013
Psi Chi (International Psychology Honor Society) Inductee	2012

RESEARCH EXPERIENCE

Early Childhood Cognition Lab January 2026 - Present
 Massachusetts Institute of Technology
 PI: Laura Schulz

Bergelson Lab, *Postdoctoral Fellow* September 2025 - Present
 Harvard University
 PI: Erika Bergelson

Gabrieli Lab, *Graduate Researcher* September 2019 - 2025
 Massachusetts Institute of Technology
 PI: John Gabrieli, PhD

Sinha Lab, *Graduate Researcher* September 2019 - 2022
 Massachusetts Institute of Technology
 PI: Pawan Sinha, PhD

Autism Language Program, *Clinical Researcher* June 2015 - July 2019
 Boston Children's Hospital at Waltham
 PI: Howard C. Shane, PhD

Translational Neuroscience Center, *Volunteer Research Assistant* September 2016 - 2019
 Boston Children's Hospital
 PI: Mustafa Sahin, MD, PhD & Charles Nelson, PhD

Aphasia Lab, *Research Assistant* Summer 2014
 Boston University
 PI: Swathi Kiran, PhD

Language, Action, and the Brain Lab, *Research Assistant* May 2011 - May 2013
 Hamilton College
 PI: Jeremy Skipper, PhD

TEACHING EXPERIENCE

Instructor of Record

Research Design & Evidence Based Practice, MGH Institute of Health Professions 2023

Physiology, Acoustics, and Perception of Speech, MGH Institute of Health Professions 2022

Teaching Fellow

Typical and Atypical Neurodevelopment, Harvard University 2020, 2021, 2022
 Professors: Nadine Gaab, PhD and Charles Nelson, PhD

Children with Learning and Developmental Differences, Harvard University 2022
 Professor: Nadine Gaab, PhD

Children with Learning and Developmental Differences: 2021
 A Vision for Community Supports and Service Implementation, Harvard University
 Professor: Nadine Gaab, PhD

Children with Learning and Developmental Differences: 2021
 Policymaking and Systems-Level Translation and Coordination
 Professor: Nadine Gaab, PhD

Introduction to Clinical Process, Boston University 2014
 Professor: Elizabeth Hoover, PhD

PEER-REVIEWED PUBLICATIONS

*Authors contributed equally/ co-first authors | +Trainees under my mentorship

1. Ozernov-Palchik, O.*, **O'Brien, A. M.***, Lee, E. J., Richardson, H., Romeo, R., Lipkin, B., Small, H., Capella, J., Nieto-Castañón, A., Saxe, R., Gabrieli, J. D. E., & Fedorenko, E. (*In Press*). Precision fMRI reveals that the language network exhibits adult-like left-hemispheric lateralization by 4 years of age. *Nature Communications*.
2. **O'Brien, A. M.**, Sullivan, E., & Gaab, N. (*In Press*). Streamlining Care Coordination for Students with Specific Learning Disabilities: Identifying barriers and effective solutions. <https://doi.org/10.31219/osf.io/skxt2>. *International Journal of Speech Language Pathology*.
3. Nishith, S.* +, **O'Brien, A. M.***, Li, C., Bungert, L., Oddis, K., Riddle, J., & Gabrieli, J. (2025). Improving autistic experiences in the workplace: Key factors and actionable steps. *Journal of Autism and Developmental Disorders*. Advance online publication. <https://doi.org/10.1007/s10803-025-07036-y>
4. **O'Brien, A. M.**, May, T. A., Koskey, K. L. K., Bungert, L., Cardinaux, A., Cannon, J., Treves, I. N., D'Mello, A. M., Joseph, R. M., Li, C., Diamond, S., Gabrieli, J. D. E., Sinha, P. (2024). Development of a self-report measure of prediction in daily life: The prediction-related experiences questionnaire. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-024-06379-2>
5. Bungert, C., Li, C., Cardinaux, A., **O'Brien, A. M.**, Cannon, J., Shkolnik, V. +, Gabrieli, J. D. E., Strang, J., & Sinha, P. (2024). Proportional over-representation of gender diverse identities in two US-based autistic adult samples from the SPARK database. *Autism in Adulthood*. <https://doi.org/10.1089/aut.2023.0121>

6. Treves, I. N., Cannon, J., Shin, E., Li, C. E., Bungert, L., **O'Brien, A.**, Cardinaux, A., Sinha, P., & Gabrieli, J. D. E. (2023). Autistic adults show intact learning on a visuospatial serial reaction time task. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-023-05894-y>
7. Cannon, J., Eldracher, E., Cardinaux, A., Irfan, F., Bungert, L., Li, C., **O'Brien, A.**, Treves, I., Diamond, S., & Sinha, P. (2023). Rhythmic and interval-based temporal orienting in autism. *Autism Research*, 1– 11. <https://doi.org/10.1002/aur.2892>
8. **O'Brien, A. M.**, Perrachione, T. K., Wisman Weil, L., Sanchez Araujo, Y., Halverson, K., Harris, A., Ostrovskaya, I., Kjelgaard, M., Wexler, K., Tager-Flusberg, H., Gabrieli, J. D. E., & Qi, Z. (2023). Altered engagement of the speech motor network is associated with reduced phonological working memory in autism. *NeuroImage: Clinical*, 37, 103299. <https://doi.org/10.1016/j.nicl.2022.103299>
9. Cannon, J.*, **O'Brien, A. M.***, Bungert, L., & Sinha, P. (2021). Prediction in Autism Spectrum Disorder: A systematic review of empirical evidence. *Autism Research*. <https://doi.org/10.1002/aur.2482>
10. **O'Brien, A. M.**, Bayet, L., Riley, K., Nelson, C., Sahin, M., & Modi, M. (2020). Characterization of speech and non-speech auditory event related activity in children with Tuberous Sclerosis Complex. *Frontiers in Integrative Neuroscience*. <https://doi.org/10.3389/fnint.2020.00014>
11. **O'Brien, A. M.**, Schlosser, R. W., Shane, H. C., Wendt, O. Yu, C., Allen, A. A., Cullen, J., Benz, A., & O'Neill, L. (2020). Providing visual directives via a smart watch to a student with Autism Spectrum Disorder: An intervention note. *Augmentative and Alternative Communication*, 36(4), 249-256. <https://doi.org/10.1080/07434618.2020.1862299>
12. **O'Brien, A. M.**, Schlosser, R., Yu, C., Allen, A. A., & Shane, H. C. (2020). Repurposing a smartwatch to support individuals with autism spectrum disorder: Sensory and operational considerations. *Journal of Special Education Technology*. <https://doi.org/10.1177/0162643420904001>
13. Yu, C., Shane, H. C., Schlosser, R. W., **O'Brien, A.**, Allen, A. A., Abramson, J., & Flynn, S. (2018). An exploratory study of speech-language pathologists using the Echo Show™ to deliver visual content. *Advances in Neurodevelopmental Disorders*, 2(3), 286-292. <https://doi.org/10.1007/s41252-018-0075-3>
14. **O'Brien, A.**, O'Brien, M., Schlosser, R. W., Yu, C., Allen, A. A., Flynn, S., Costello, J., & Shane, H. (2017). Repurposing consumer products as a gateway to just-in-time communication. *Seminars in Speech and Language*, 38(04), 297-312. <https://doi.org/10.1055/s-0037-1604277>
15. Schlosser, R. W., **O'Brien, A.**, Yu, C., Abramson, J., Allen, A., Flynn, S., & Shane, H. C. (2017). Repurposing everyday technologies to provide just-in-time visual supports to children with intellectual disability and autism: A pilot feasibility study with the Apple

Watch®. *International Journal of Developmental Disabilities*, 63(4), 221-227.
<https://doi.org/10.1080/20473869.2017.1305138>

16. **O'Brien, A.**, Schlosser, R. W., Yu, C., Abramson, J., Allen, A., Flynn, S., & Shane, H. C. (2016). Brief report: Just-in-time visual supports to children with autism via the Apple Watch®: A pilot feasibility study. *Journal of Autism and Developmental Disorders*, 46, 3818-23.
<https://doi.org/10.1007/s10803-016-2891-5>

PRE-PRINTS/ MANUSCRIPTS UNDER REVIEW

1. Bagheri, S., Cardinaux, A., Bungert, L., Li, C. E., **O'Brien, A. M.**, Sinha, P., & Cannon, J. (2025). Reduced anticipatory motor preparation and altered EEG signatures of prediction in autistic adults. https://doi.org/10.31234/osf.io/297tq_v1 [Under Revision]
2. **O'Brien, A. M.** Cardinaux, A. L., Quan, L., Li, C., Chenausky, K. V., & Gabrieli, J. D. E. Prosodic Timing and Pitch in Autistic Adults During a Structured Narrative Task. [Under Review]

PEER-REVIEWED CONFERENCE PROCEEDINGS

1. Johnson, K., **O'Brien, A.**, Kershenbaum, A., Narain, J. Radhakrishnan, S.⁺, & Picard, R. (2022). Affective ratings of nonverbal vocalizations produced by minimally-speaking individuals: What do naive listeners perceive? *Proceedings of the International Conference on Affective Computing and Intelligent Interaction (ACII)*, pp. 1-8.
<https://doi.org/10.1109/ACII55700.2022.9953820>
2. Ahsen, T., Yu, C., **O'Brien, A.**, Schlosser, R. W., Shane, H. C. S., Oesch-Emmel, D., Crehan, E. T., & Dogar, F. (2022). Designing a customizable picture-based augmented reality application for therapists and educational professionals working in autistic contexts. In *Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '22)*. Association for Computing Machinery, New York, NY.
<https://doi.org/10.1145/3517428.3544884>
3. Narain, J.*, Johnson, K.*, Ferguson, C., **O'Brien, A.**, Talkar, T., Zhang, Y., Wofford, P., Quatieri, T., Maes, P., & Picard, R. (2021). Personalized modeling of real-world vocalizations from nonverbal individuals. In *Proceedings of the International Conference on Multimodal Interactions (ICMI)*, pp. 665-669. <https://dl.acm.org/doi/10.1145/3382507.3418854>
4. Narain, J.*, Johnson, K.*, **O'Brien, A.**, Wofford, P., A., Maes, P., & Picard, R. (2020). Nonverbal vocalizations as speech: Characterizing natural environment audio from nonverbal individuals with autism. In *Proceedings of the International Workshop on Laughter and Non-verbal Vocalisations*. <https://doi.org/10.4119/lw2020-923> (*Equal Contributions/ Co-first authors)

PEER-REVIEWED PRESENTATIONS

International

1. D'Mello, A. M., **O'Brien, A. M.**, Perrachione, T. K., Gabrieli, J. D. E. (April 2024). Autistic adults show increased variability in cortical selectivity across social and non-social domains.

Symposium: Leveraging social cognitive neuroscience tools to characterize heterogeneity in autism spectrum disorder. *Cognitive Neuroscience Society Annual Meeting*, Toronto, Canada.

2. Yu, C., Shane, H., Schlosser, R., **O'Brien, A.**, Allen, A., Flynn, S. (September 2019). An exploratory study of speech-language pathologists using the Echo Show to deliver visual supports. *Annual Convention of Assistive Technology and Disabilities*. Rome, Italy.
3. **O'Brien, A.**, Schlosser, R. W., Abramson, J., Allen, A., Flynn, S., & Shane, H. C. (August 2016). Just-in-time support: Delivery and use through wearable technology. *International Society for Alternative and Augmentative Communication Annual Meeting*. Toronto, Canada.

National

1. **O'Brien, A. M.**, Cardinaux, A., Li, C. E., Quan, L., Nishith, S., & Gabrieli, J. D. E. (March 2026). Precision fMRI reveals reduced activation of speech motor regions during prosody perception in autism. *Meeting on Language in Autism*. Atlanta, GA.
2. Ciriello, A., Hu, A., **O'Brien, A. M.**, Gabrieli, J. D. E., & Qi, Z. Testing statistical learning as a compensatory route for language development in autism. *Meeting on Language in Autism*. Atlanta, GA.
3. **O'Brien, A. M.**, Liu, T., Cardinaux, A., Gabrieli, J. D. E., & Zuk, J. (December 2024). "Why don't the words matter more?": Autistic experiences related to perceiving and producing prosody. *American Speech and Hearing Association Convention*. Seattle, WA.
4. Costello, J., Dellea, P., Fields-McMahon, L., O'Brien, M., **O'Brien, A.**, Yu, C., Rose, E., & Mancini, D. (January 2019). AAC: Interprofessional practice, clinical innovations, and evidence-based practice. Full day pre-conference seminar. *Assistive Technology Industry Association Conference*. Orlando, FL.
5. Yu, C., Shane, H. C., **O'Brien, A.**, Allen, A., Schlosser, R. W., & Flynn, S. (November 2018). Dynamic assessment of individuals with autism: Visual Immersion System- Developmental Framework (VIS-DF) scale. *American Speech and Hearing Association Convention*. Boston, MA.
6. **O'Brien, A.**, Shane, H. C., Schlosser, R. W., Cullen, J., Benz, A., Allen, A. A., & Yu, C. (November 2018). From the clinic to the classroom: Repurposing the Apple Watch to support learners with autism. *American Speech and Hearing Association Convention*. Boston, MA.
7. Yu, C., **O'Brien, A.** Schlosser, R. W., Abramson, J., Allen, A., Flynn, S., & Shane, H. C. (November 2017). Enhancing language in autism: Implementation of the visually immersive developmental framework in clinical practice. *American Speech and Hearing Association Convention*. Los Angeles, CA.
8. **O'Brien, A.**, O'Brien, M., Schlosser, R. W., Yu, C., Allen, A. A., Flynn, S., Costello, J., & Shane, H. C. (November 2017). Just-in-time supports to enhance communication: Implications for individuals with autism, acquired brain injury, and beyond. *American Speech and Hearing Association Convention*. Los Angeles, CA.

9. Yu, C., **O'Brien, A.** Schlosser, R. W., Abramson, J., Allen, A., Flynn, S., & Shane, H. C. (November 2016). Enhancing language in autism: A visually immersive developmental framework. *American Speech and Hearing Association Convention*. Philadelphia, PA.

PEER-REVIEWED PANELS

1. **O'Brien, A. M.** Quantification of language and communication in minimally verbal individuals (May 2022). *International Society for Autism Research Annual Meeting*. Austin, TX. [*Panel Discussant*]
2. Johnson, K., Narain, J., **O'Brien, A.**, Kershenbaum, A., Quatieri, T., Picard, R. (May 2022). Phonemic content of nonverbal vocalizations from individuals with 0-10 spoken words. Panel presentation. *International Society for Autism Research Annual Meeting*. Austin, TX.
3. Narain, J., Johnson, K., **O'Brien, A.**, Kershenbaum, A., Quatieri, T., Picard, R., Maes, P. (May 2022). Acoustic features and model to classify affect and communicative intent of nonverbal vocalizations from minimally speaking individuals with autism. Panel presentation. *International Society for Autism Research Annual Meeting*. Austin, TX.

PEER-REVIEWED POSTER PRESENTATIONS

1. Cardinaux, A., **O'Brien, A. M.**, Quan, L., Li, C. E. & Gabrieli, J. D. E. (April 2026). Examining speech emphasis in autistic and non-autistic adults during a structured prosody elicitation task. *International Society for Autism Research*. Prague, Czech Republic.
2. Cardinaux, A.*, **O'Brien, A. M.***, Quan, L., Li, C. E. & Gabrieli, J. D. E. (March 2026). Examining sex differences in self-report and clinician ratings of prosody in autistic and non-autistic adults. *Meeting on Language in Autism*. Atlanta, GA.
3. Ciriello, A., **O'Brien, A. M.**, Hu, A., Gabrieli, J.D.E., & Qi, Z. (November 2025). Superior linguistic statistical learning in language-intact individuals with autism. *Boston University Conference on Language Development*. Boston, MA.
4. Ciriello, A., **O'Brien, A. M.**, Hu, A., Gabrieli, J. D. E., & Qi, Z. (September 2025). Intact Engagement of Speech Production Regions during Implicit Linguistic Learning in Autistic Adults. *Society for the Neurobiology of Language*. Washington DC.
5. **O'Brien, A. M.**, Cardinaux, A. L., Li, C. E., Quan, L., & Gabrieli, J. D. E. (May 2025). Autistic prosody: Relationship between self-reported experiences, acoustic measures, and autism traits. *International Society for Autism Research Annual Meeting*. Seattle, WA.
6. Ciriello, A., **O'Brien, A. M.**, Gabrieli, J.D.E., Qi, Z. (2025). The role of the speech-production system in implicit linguistic learning: An fMRI study. *Cognitive Neuroscience Society (CNS) Annual Meeting*. Boston, MA.
7. Radhadkrishnan, S. ⁺, **O'Brien, A. M.**, Quatieri, T., & Johnson, K. (May 2024). An exploratory investigation of acoustic features underlying arousal and valence perception of vocalizations

- from non-speaking individuals. *86th Meeting of the Acoustical Society of America*. Ottawa, Canada.
8. Nishith, S. *, **O'Brien, A. M.***, Li, C., Bungert, L., Kwon, J., Oddis, K., Riddle, J., & Gabrieli, J.D.E. (November 2023). Positive and negative factors related to employment experiences of autistic adults with and without ADHD. *American Speech and Hearing Association Convention*. Boston, MA. **[Selected for Meritorious Poster Award]**
 9. **O'Brien, A. M.**, Gabrieli, J.D.E., & D'Mello, A. M. (May 2023). Increased variability of brain activation in autistic adults. *International Society for Autism Research Annual Meeting*. Stockholm, Sweden.
 10. Bungert, L., Li, C., Cardinaux, A., **O'Brien, A. M.**, Cannon, J., Shkolnik, V. ⁺, Gabrieli, J. D. E. Sinha, P., & Strang, J. F. (May 2023). Proportional over-representation of gender-diverse identities in two US-based autistic adult samples recruited through the SPARK database. *International Society for Autism Research Annual Meeting*. Stockholm, Sweden.
 11. **O'Brien, A. M.**, Ozernov-Palchik O., D'Mello, A. M., Sinha, P., & Gabrieli, J. D. E. (March 2023). Categorical perception in autistic adults: The *who* and the *how* matter. *Meeting on Language in Autism*. Durham, NC.
 12. Johnson, K. T., **O'Brien, A. M.**, Radhadkrishnan, S. ⁺, Kershenbaum, A., & Picard, R. (March 2023). Males and females perceive non-speech vocalizations by minimally-speaking individuals differently. *Meeting on Language in Autism*. Durham, NC.
 13. **O'Brien, A. M.**, Perrachione, T. K., Tager-Flusberg, H., Gabrieli, J. D. E., & Qi, Z. (Oct. 2022). Reduced phonological working memory in autism is associated with altered speech-motor engagement. *Society for the Neurobiology of Language*. Philadelphia, PA.
 14. Ozernov-Palchik, O.*, **O'Brien, A. M.***, Romeo, R., Small, H., Lipkin, B., Capella, J., Gabrieli, J.D.E., & Fedorenko, E. (October 2022). A developmental investigation of the language network in the brain. *Society for Neurobiology of Language*. Philadelphia, PA. (*Equal Contributions/ Co-first authors); **[Selected for Poster Slam]**
 15. Johnson, K., Narain, J., **O'Brien, A. M.**, Picard, R., & Quatieri, T. (May 2022). Vocalization and word usage from minimally verbal individuals. *International Society for Autism Research Annual Meeting*. Austin, TX.
 16. **O'Brien, A. M.***, D'Mello, A.*, Frosch, I., Perrachione, T., Gabrieli, J. D. E. (April 2022). Evidence for increased neural heterogeneity of perceptual processing in autism spectrum disorder. *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
 17. Feller, M., **O'Brien, A. M.**, Jones, A., & Gaab, N. (January 2022). Supporting systems-level translation and coordination for students with learning and developmental disabilities: Ideas and innovations. *Learning Disabilities Association of America 59th Annual International Conference*. New Orleans, LA.

18. **O'Brien, A. M.**, Qi, Z., Tager-Flusberg, H., & Gabrieli, J. (May 2021). Atypical and heterogenous neural underpinnings of phonological working memory in children with autism. *International Society for Autism Research Annual Meeting*. Virtual.
19. Cannon, J.,* **O'Brien, A. M.**,* Bungert, L., & Sinha, P. (January 2021). Prediction in autism spectrum disorder: What does the empirical Evidence Say? *Society for Neuroscience Global Connectome Conference*. Virtual.
20. Modi, M. E., **O'Brien, A.**, Tracey, B., Dhamne, S. G., Nelson, C. A., Rotenberg, A., & Sahin, M. (December 2019). Translational electrophysiological biomarkers in Tuberous Sclerosis Complex, a genetically defined neurodevelopmental disorder. *American College of Neuropsychopharmacology*. Orlando, FL.
21. **O'Brien, A.**, Bayet, L., Riley, K., Nelson, C., Sahin, M., & Modi, M. (November 2018). Auditory event related activity in children with Tuberous Sclerosis Complex. *Society for Neuroscience Conference*. San Diego, CA.
22. **O'Brien, A.**, Bayet, L., Riley, K., Nelson, C., Sahin, M., & Modi, M. (November 2018). Characterization of speech and non-speech auditory event related activity in children with Tuberous Sclerosis Complex. *Neurodevelopmental Disorders Symposium*. Boston, MA.
23. **O'Brien, A.**, Shane, H. C., Schlosser, R. W., Yu, C., Allen, A. A., Cullen, J., Benz, A., & O'Neil, L. (May 2020). Providing visual supports via a smartwatch to improve directive following for children with autism spectrum disorder. *International Society for Autism Research Annual Meeting*. Virtual.
24. Yu, C., Shane, H. C., **O'Brien, A. M.**, Schlosser, R. W., Allen, A., Flynn, S. (January 2020). Using augmented reality to teach play skills and concepts in individuals with autism. *Assistive Technology Industry Association Conference*. Orlando, FL.
25. Ahsen, T., Yu, C., Shane, H. C., **O'Brien, A. M.**, Schlosser, R. W., Dogar, F. (January 2020). Can augmented reality increase symbolic knowledge for individuals with moderate to severe ASD? *Assistive Technology Industry Association Conference*. Orlando, FL.
26. Yu, C., Shane, H. C., **O'Brien, A. M.**, Schlosser, R. W., Abramson, J., Allen, A., Flynn, S. (November 2019). Predictors of successful implementation of recommendations for children with moderate to severe autism spectrum disorder. *American Speech and Hearing Association Convention*. Orlando, FL.
27. Schlosser, R. W., **O'Brien, A. M.**, Shane, H. C. (November 2019). Intervention research involving augmented reality for individuals with developmental disabilities: A scoping review. *American Speech and Hearing Association Convention*. Orlando, FL.
28. Juhlin, D., Morris, C., Schmaltz, P., Shane, H. C., Schlosser, R. W., **O'Brien, A.**, Yu, C., Mancini, D., Allen, A., & Abramson, J. (July 2019). The PTC and Boston Children's Hospital collaborative AR experience for children with autism spectrum disorder. *Human-Computer Interaction International Conference*. Orlando, FL.

29. Yu, C., Shane, H., Schlosser, R., Allen, A., **O'Brien, A.**, & Flynn, S. (November 2018). The efficacy of using the Amazon Echo Show to deliver visual supports just-in-time (JIT). *American Speech and Hearing Association Convention*. Boston, MA.
30. **O'Brien, A.**, Schlosser, R., Shane, H., & Yu, C. (November 2017). Feasibility of just-in-time wearable technology: Instructional wearing of the Apple Watch® for learners with autism. *American Speech and Hearing Association Convention*. Los Angeles, CA.
31. **O'Brien, A.**, Safran, J., Briggs, S., & Skipper, J. (April 2012). Emotions speak louder *then* words: Non-verbal cues predicting forthcoming words. *Cognitive Neuroscience Society Annual Meeting*, Chicago, IL.

INVITED BOOK CHAPTERS

1. Schlosser, R. W., Shane, H. C., Allen, A. A., Yu, C., **O'Brien, A. M.**, Cullen, J., Benz, A., O'Neil, L., Chiesa, L., & Miori-Dinneen, L. (2021). Implementing the Visual Immersion Systems™ in a classroom for children with autism spectrum disorder: Challenges and solutions. In B.T. Ogletree (Eds.), *Augmentative and alternative communication: Challenges and solutions* (pp. 283-312). Plural Publishing.

INVITED TALKS

1. **O'Brien, A. M.** (March 4, 2026). Brain and behavioral considerations of prosody in autism. *Up & Coming Speaker Series*, Emerson College, Boston, MA.
2. **O'Brien, A. M.** (February 3, 2026). Speech and Language in Autism: Brain, Behavior, & Intervention. *Neurodevelopmental Dynamics Laboratory* meeting, Northeastern University, Boston, MA.
3. **O'Brien, A. M.** (October 17, 2025). Brain and behavioral bases of speech and language in autism. *Communication Sciences and Disorders Colloquium Series*, University of New Hampshire, Durham, NH.
4. **O'Brien, A. M.** (April 9, 2025). The role of the motor system in speech and language in autism. *Center for Educational Neuroscience Applications*. Bridgewater State University, Bridgewater, MA.
5. **O'Brien, A. M.** (August 20, 2024). Introduction to speech, language, and communication. *Speech and Hearing Bioscience and Technology New Graduate Student Bootcamp*. Harvard University, Cambridge, MA.
6. **O'Brien, A. M.** & Nishith, S. (April 24, 2024). Next in neurodiversity: Emerging research on neurodiversity and employment. *Webinar hosted by Dell Technologies and Neurodiversity in the Workplace*. Virtual.
7. **O'Brien, A. M.** (April 14, 2022). The brain bases of nonword repetition in autism: A motor story. *Center for Autism Research Excellence*, Boston University, Boston, MA.
8. **O'Brien, A. M.** (April 1, 2022). The role of the SLP in working with students who learn differently. Willow Hill School, Sudbury, MA.

9. **O'Brien, A. M.** (September 1, 2021). Neural heterogeneity of phonological working memory in children with autism. *Nelson Laboratory*, Boston Children's Hospital, Boston, MA.
10. **O'Brien, A. M.**,* Bungert, L.,* Cannon, J., Cardinaux, A., Diamond, S., D'Mello, A., Joseph, R., Koskey, K., Li, C., Treves, I., Sondergeld, T., & Pawan Sinha (July, 2021). Developing a self-report measure of prediction. *Time and Autism Webinar*, University of Manchester. Virtual.
11. Cannon, J. & **O'Brien, A. M.** (April 19, 2021). Prediction in autism spectrum disorder: What does the empirical evidence say? *Ahissar Lab*, Hebrew University of Jerusalem. Virtual.
12. Cannon, J. & **O'Brien, A. M.** (March 3, 2021). Prediction in autism spectrum disorder: What does the empirical evidence say? *Centre for Autism* meeting, University of Reading. Virtual.
13. **O'Brien, A. M.** (February 26, 2021). Repurposing a smartwatch to support learners with autism. *Human-Centric Design Lab*, George Mason University. Virtual.
14. **O'Brien, A. M.** (May 2016 & October 2016). Exploring AAC strategies in autism spectrum disorders: From theory to practice, Part I and II. Martha's Vineyard School District, MA.

GUEST LECTURES

1. **O'Brien, A. M.** (September 2025). *Career Paths in Neurodevelopmental Disorders*. Panelist for *Laboratories of Cognitive Neuroscience* at Boston Children's Hospital, Boston, MA.
2. **O'Brien, A. M.** (March 2023). The role of an SLP in working with students with learning disabilities. Panelist for *Children with Learning and Developmental Differences* graduate course at the Harvard Graduate School of Education, Cambridge, MA.
3. **O'Brien, A. M.** (March 2023). Developmental language disorders: Dyslexia, DLD, & autism. Guest lectured for *Psychology: Brain & Language*, a 75-minute graduate class at University of Texas at Dallas, Dallas, TX. *Virtual*.
4. **O'Brien, A. M.** (November 2021). Clinical and research pathways related to speech, language, & autism. Guest lectured for *Linguistics*, a 1-hour undergraduate class at Bridgewater State University, Bridgewater, MA. *Virtual*.
5. **O'Brien, A. M.** & O'Brien, M. (April 2018, 2019, 2020, 2021). Just-in-time supports and AAC. Guest lectured for *Autism Seminar*, a 3-hour graduate class at Massachusetts General Hospital Institute of Health Professions, Boston, MA.
6. **O'Brien, A. M.** & Gallée, J. (April 2020). Developmental and acquired language disorders: From theory to treatment. Guest lectured for *Normal Language Acquisition*, a 2-hour undergraduate class at Boston University, Boston, MA. *Virtual*.
7. **O'Brien, A.** (October 2016, 2017, 2018). From evidence to practice: Exploring AAC strategies in autism spectrum disorders. Guest lectured for *Introduction to Augmentative and Alternative Communication*, a 3-hour graduate class at Boston University, Boston, MA.

8. **O'Brien, A.** (October 2017, 2018). Introduction to augmentative and alternative communication. Guest lectured for *Introduction to Speech Language Pathology*, a 1-hour undergraduate class at Boston University, Boston, MA

SUPERVISORY EXPERIENCE

Undergraduate Research Opportunity Supervisor Fall 2020-2025
 Massachusetts Institute of Technology, Cambridge, MA
Supervise 1-6 undergraduate students per semester in various research projects. Meet weekly to provide feedback.

Clinical Supervisor Fall 2016 – June 2019
 Boston Children's Hospital, Waltham, MA
Supervised 3-4 graduate students from Boston University, Emerson College, and/or Massachusetts General Hospital Institute of Health Professions each year. Provided mentorship 2-3 days/week.

SERVICE

Curriculum Committee Student Representative May 2020 - 2025
 Program in Speech and Hearing Biosciences and Technology, Harvard University

SHBT Distinguished Lecture Series Student Committee Member 2021-2022
 Harvard University

Summer Research Coordinator 2021
 Gabrieli Lab, Massachusetts Institute of Technology

Ad hoc Reviewer

Journal of Speech, Language, and Hearing Research; Autism Research; Journal of Autism and Developmental Disorders; Assistive Technology; Developmental Science; International Journal of Language & Communication Disorders

CERTIFICATION & LICENSURE

American Speech-Language-Hearing Association Certificate of Clinical Competence
 License in Speech Language Pathology (SLP), Massachusetts

CLINICAL EXPERIENCE

Speech-Language Pathologist II April 2016–July 2019
 Clinical Fellow in Speech-Language Pathology June 2015–April 2016
 Autism Language Program, Center for Communication Enhancement
 Boston Children's Hospital at Waltham

OTHER RELATED EXPERIENCE

Software and App Development Associate Mar. 2018 – Apr. 2019
 Accelerate Language and Learning Foundation, Boston, MA