

Amanda M. O'Brien, PhD, CCC-SLP
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EDUCATION AND POSTDOCTORAL TRAINING

Harvard University, Cambridge, MA Laboratory for Developmental Studies, Department of Psychology Postdoctoral Research Fellow; Advisor: Erika Bergelson, PhD	September 2025 - Present
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Harvard University, Cambridge, MA Graduate School of Arts and Sciences, Division of Medical Sciences PhD in Speech and Hearing Bioscience and Technology (SHBT) <i>Dissertation:</i> The Role of the Motor System in Speech and Language in Autism <i>Dissertation Advisor:</i> John D. E. Gabrieli, PhD; Massachusetts Institute of Technology	May 2025
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Boston University, Boston, MA Sargent College of Health and Rehabilitation Sciences Master of Science in Speech-Language Pathology	September 2015
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Hamilton College, Clinton, NY Bachelor of Arts in Neuroscience, <i>magna cum laude</i> <i>Thesis:</i> Communication in Autism: Neural Mechanisms of Emotional Face Processing <i>Thesis Advisor:</i> Jeremy Skipper, PhD	May 2013
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GRANTS & FELLOWSHIPS

NIH/NIDCD F31 Ruth L. Kirschstein National Research Service Award Title: The Role of the Motor System in Speech and Language in Autism Role: PI; Total costs: \$74,444	2023 – 2025
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Autism Science Foundation Pre-Doctoral Fellowship	2023 – 2024, <i>Declined</i>
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Amelia Peabody Scholarship, Harvard University	2021 - 2022
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NIH/NIDCD T32 Institutional National Research Service Award	2019 - 2021
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HONORS AND AWARDS

MGH Institute of Health Professions Faculty Award for Excellence in Teaching	2023
ASHA Meritorious Poster Award	2023
Wiley Top Cited Article in <i>Autism Research</i> Journal 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

Last updated September 2025

RESEARCH EXPERIENCE

Bergelson Lab, <i>Postdoctoral Fellow</i> Harvard University PI: Erika Bergelson	September 2025 - Present
Gabrieli Lab, <i>Graduate Researcher</i> Massachusetts Institute of Technology PI: John Gabrieli, PhD	September 2019 - 2025
Sinha Lab, <i>Graduate Researcher</i> Massachusetts Institute of Technology PI: Pawan Sinha, PhD	September 2019 - 2022
Autism Language Program, <i>Clinical Researcher</i> Boston Children's Hospital at Waltham PI: Howard C. Shane, PhD	June 2015 - July 2019
Translational Neuroscience Center, <i>Volunteer Research Assistant</i> Boston Children's Hospital PI: Mustafa Sahin, MD, PhD & Charles Nelson, PhD	September 2016 - 2019
Aphasia Lab, <i>Research Assistant</i> Boston University PI: Swathi Kiran, PhD	Summer 2014
Language, Action, and the Brain Lab, <i>Research Assistant</i> Hamilton College PI: Jeremy Skipper, PhD	May 2011 - May 2013

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 <i>Professors: Nadine Gaab, PhD and Charles Nelson, PhD</i>	2020, 2021, 2022
Children with Learning and Developmental Differences, Harvard University <i>Professor: Nadine Gaab, PhD</i>	2022
Children with Learning and Developmental Differences: A Vision for Community Supports and Service Implementation, Harvard University <i>Professor: Nadine Gaab, PhD</i>	2021
Children with Learning and Developmental Differences: Policymaking and Systems-Level Translation and Coordination	2021

Professor: Nadine Gaab, PhD

Introduction to Clinical Process, Boston University

2014

Professor: Elizabeth Hoover, PhD

PEER-REVIEWED PUBLICATIONS

1. 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*. (*Equal Contributions/ Co-first authors) [In Press]
2. **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>
3. 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>
4. 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>
5. 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>
6. **O'Brien, A. M.**, Perrachione, T. K., Wisman Weil, L., Sanchez Araujo, Y., Halverson, K., Harris, A., Ostrovskaya, I., Kjølgaard, 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>
7. 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> (*Equal Contributions/ Co-first authors)
8. **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>
9. **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>

10. **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>
11. 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>
12. **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>
13. 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>
14. **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. 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. (2024). Precision fMRI reveals that the language network exhibits adult-like left-hemispheric lateralization by 4 years of age. *bioRxiv*. <https://doi.org/10.1101/2024.05.15.594172> (*Equal Contributions/ Co-first authors) [In revision]
2. **O'Brien, A.M.**, Sullivan, E., & Gaab, N. (2024, February 22). Streamlining Care Coordination for Students with Specific Learning Disabilities: Identifying Barriers and Effective Solutions. <https://doi.org/10.31219/osf.io/skxt2> [In revision]
3. 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 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> (*Equal Contributions/ Co-first authors)
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.**, 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.
2. 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.

3. 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.
4. **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.
5. 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.
6. **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.
7. 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. 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.
2. 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.

3. **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.
4. 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.
5. 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.
6. 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. (*Equal Contributions/ Co-first authors); **[Selected for Meritorious Poster Award]**
7. **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.
8. 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.
9. **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.
10. 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.
11. **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.
12. 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]**
13. 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.

14. **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. (*Equal Contributions/ Co-first authors)
15. 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.
16. **O'Brien, A. M.**, Qi, Z., Tager-Flusberg, H., & Gabrieli, J. (May 2021). Atypical and heterogeneous neural underpinnings of phonological working memory in children with autism. *International Society for Autism Research Annual Meeting*. Virtual.
17. 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. (*Equal Contributions/ Co-first authors)
18. 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.
19. **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.
20. **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.
21. **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.
22. 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.
23. 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.
24. 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.

25. 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.
26. 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.
27. 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.
28. **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.
29. **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.** (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.
2. **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.
3. **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.
4. **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.

5. **O'Brien, A. M.** (April 1, 2022). The role of the SLP in working with students who learn differently. Willow Hill School, Sudbury, MA.
6. **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.
7. **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. (*Equal Contributions/ Co-first authors)
8. 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.
9. 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.
10. **O'Brien, A. M.** (February 26, 2021). Repurposing a smartwatch to support learners with autism. Human-Centric Design Lab, George Mason University. Virtual.
11. **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.** (March 2023). The role of an SLP in working with students with learning disabilities Panel member for *T250: Children with Learning and Developmental Differences* graduate course at the Harvard Graduate School of Education, Cambridge, MA.
2. **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*.
3. **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*.
4. **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.
5. **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*.
6. **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.

7. **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