

RHIANNON J. LUYSER

Communication Sciences and Disorders
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ACADEMIC POSITIONS

2019-present	Associate Professor Department of Communication Sciences and Disorders Emerson College, Boston, MA
2012-2019	Assistant Professor Department of Communication Sciences and Disorders Emerson College, Boston, MA
2011	Lecturer Department of Psychology Boston University, Boston MA
2009-2012	Postdoctoral Research Fellow Department of Pediatrics, Harvard Medical School Laboratories of Cognitive Neuroscience Boston Children's Hospital, Boston MA
2007-2009	Research Associate Department of Psychiatry, Harvard Medical School Massachusetts General Hospital, Boston MA

EDUCATION

Ph.D., 2007	University of Michigan, Ann Arbor MI Developmental Psychology Developmental Psychology and Mental Health Certificate Program
M.Ed., 2002	Boston College, Chestnut Hill MA Intensive Special Needs
B.A., 2000	Wesleyan University, Middletown CT Graduated with Departmental High Honors in Psychology

EXTERNAL RESEARCH FUNDING (FEDERAL AND FOUNDATION)

submitted	2 R01 DC016592-07A1 NIDCD "Child Language Processing and Parental Language Input in Autistic and Nonautistic Dyads". Role: PI.
2020-2025	1 R01 DC017131-01A1 NIDCD "Learning new words from overhearing in children with ASD". PIs: Rhiannon Luyster & Sudha Arunachalam. Total costs: \$1,671,304. Role: PI.

2018	“Transcription and Analysis of Unconventional Language in Autism Spectrum Disorder.” Franklin Research Grant, American Philosophical Society. Direct costs: \$5,000. Role: PI.
2015-2017	Advancing Academic-Research Careers Award. American Speech-Language-Hearing Association. Direct costs: \$5,000. Role: PI.
2013-2016	“Acquisition of an Infrared Eye Tracker to Study the Emergence, Use, Loss and Reacquisition of Communication Skills.” National Science Foundation. Direct costs: \$41,575. Role: PI.
2013-2014	“Laboratory experience using SMI eye trackers to study child development.” Marion & Jasper Whiting Foundation. Direct costs: \$2,990. Role: PI.
2011-2013	“Behavioral and neural responses to emotional faces in individuals with ASD.” Brain and Behavior Research Fund, NARSAD Young Investigator Award. Direct costs: \$59,741. Role: PI.
2009-2013	National Institutes of Health Clinical Research Loan Repayment Program. Role: PI.
2005-2007	5 F31 MH073210-02 NIMH “Word learning in children with autism spectrum disorder.” Direct costs: \$19,673. Role: PI.

INTERNAL RESEARCH FUNDING

2019-2020	“What’s a chinchilla? Question asking in children with ASD.” Emerson College, Faculty Advancement Fund Grant. Direct costs: \$7,250. Role: PI.
2016-2017	“Little children with big ears? Overhearing and language learning in children with ASD.” Emerson College, Faculty Advancement Fund Grant. Direct costs: \$4,455. Role: PI.
2013-2014	“Equipping a child research laboratory.” Emerson College, Faculty Advancement Fund Grant. Direct costs: \$4,392. Role: PI.

CONSULTANT/SPONSOR ROLES

2024-2026	1F31DC021111-01A1 NIDCD “Vocabulary Encoding and Retention in Autism via Social Cognition (VERAS).” PI: Katherine Trice. Role: Co-Sponsor.
2023-2025	1F31DC020864-01A1 NIDCD, “The Role of the Motor System in Speech and Language in Autism.” PI: Amanda O’Brien. Role: Consultant.
2021-2023	Simons Foundation Autism Research Initiative, “Quantitative and Remote Methods to Study Early Cognitive Development and Heterogeneity in ASD.” PIs: Elena Tenenbaum & Shafali Jeste. Role: Consultant.
2018-2025	1 R01 DC016592-01A1 NIDCD, “Language Processing and Word Learning in Preschoolers with Autism Spectrum Disorder.” PI: Sudha Arunachalam. Role: Consultant. Subcontract total costs: \$120,392.
2013-2018	NJ Governor's Council for Research and Treatment of Autism, “Development of a new autism screening tool for traditionally underserved families.” PI: Yvette Janvier. Role: Consultant.

PEER-REVIEWED PUBLICATIONS

*indicates student/mentee

1. Tenenbaum, E. J., Stone, C., Vu, M. H., Hare, M., Gilyard, K. R., Arunachalam, S., Bergelson, E., Frank, M. C., Hamlin, J. K., Kline Struhl, M., Landa, R. J., Lew-Williams, C., Libertus, M. E., **Luyster, R. J.**, Markant, J., Sheinkopf, S. J., Wagner, J. B., Park, K., Grapel, J. N., Soderling, A. I., Waterman, A. K., & Jeste, S. (under revision). Remote infant studies of early learning (RISE): Scalable online replications of key findings in infant cognitive development.
2. **Luyster, R.**, Boyd, T., Steele, A.*, Arunachalam, S. (submitted). Quality of remotely-collected gaze data in children with and without autism.
3. Artis, J., **Luyster, R.**, Carroll, L., He, A., & Arunachalam, S. (in preparation). Whose is “yours”? Role of speaker, listener and gaze for pronoun comprehension in autistic children.
4. Arunachalam, S., Steele, A.*, Buonocore, T., Pelletier, T.* & **Luyster, R.** (2024). Do focused interests support word learning? A study in autistic and nonautistic children. *Autism Research*, epub.
5. **Luyster, R.**, Leiwant, I.*, & Arunachalam, S. (2023). Frequency, form and function of dyadic questions in ASD. *Communication Disorders Quarterly*, 44(3), 163-172.
6. He, A., **Luyster, R.**, & Arunachalam, S. (2022). Parental tuning of language input to autistic and nonspectrum children. *Frontiers in Psychology* (Developmental Psychology section), epub.
7. **Luyster, R.**, Zane, E., & Wisman Weil, L. (2022). Conventions for Unconventional Language: Revisiting a framework for spoken language features in autism. *Autism and Developmental Language Impairments*, epub.
8. Lin, K.*, Wisman Weil, L., Thurm, A., Lord, C., & **Luyster, R.** (2022). Word imageability predicts expressive vocabulary in children with autism spectrum disorder. *Autism and Developmental Language Impairments*, epub.
9. Arunachalam, S., Avtushka, V., **Luyster, R.**, & Guthrie, W. (2022). Consistency and inconsistency in caregiver reporting of vocabulary. *Language Learning and Development*, 18(1), 81-96.
10. Arunachalam, S., Artis, J., & **Luyster, R.** (2021). Moving beyond binaries: Appreciating the complexities of autism and language learning. *Language*, 97(3), e161-168.
11. Zane, E., Arunachalam, S. & **Luyster, R.** (2021). Personal Pronoun Errors in Form versus Meaning Produced by Children with and without Autism Spectrum Disorder. *Journal of Cultural Cognitive Science*, 5, 389-404.
12. LeGrand, K.*, Wisman Weil, L., Lord, C., & **Luyster, R.** (2021). Identifying childhood expressive language features that best predict adult language and communication outcome in individuals with autism spectrum disorder (ASD). *Journal of Speech, Language and Hearing Research*, 64, 1977-1991.

13. Fitch, A.*, Lieberman, A., **Luyster, R.**, & Arunachalam, S. (2020). Toddlers' word learning through overhearing: Others' attention matters. *Journal of Experimental Child Psychology*, 193, epub.
14. Souter, N.*, Arunachalam, S., **Luyster, R.** (2020). The robustness of eye-mouth index as an eye-tracking metric of social attention in toddlers. *International Journal of Behavioral Development*, 44(5), 469-478.
15. **Luyster, R.**, Arunachalam, S. (2020). Brief Report: Learning language through overhearing in children with ASD. *Journal of Autism and Developmental Disorders*, 50(7), 2616-2624.
16. **Luyster, R.**, Bick, J., Westerlund, A., & Nelson, C.A. (2019). Testing the effects of expression, intensity and age on emotional face processing in ASD. *Neuropsychologia*, 126, 128-137.
17. Arunachalam, S., & **Luyster, R.** (2018). Lexical development in young children with ASD: How ASD affects intake from the input. *Journal of Speech, Language and Hearing Research*, 61(11), 2659-2672.
18. He, A., **Luyster, R.**, Hong, S., & Arunachalam, S. (2018). Personal pronoun usage in maternal input to infants at high- vs. low-risk for autism spectrum disorder. *First Language*, 38(5), 520-527.
19. Wagner, J.B., **Luyster, R.**, Moustapha, H., Tager-Flusberg, H., & Nelson, C.A. (2018). Differential attention to faces in infant siblings of children with autism spectrum disorder and associations with later social and language ability. *International Journal of Behavioral Development*, 41(1), 83-92.
20. Young, A.*, **Luyster, R.**, Fox, N., Zeanah, C. & Nelson, C.A. (2017). The effects of institutionalization on emotional face processing: Evidence for sparing via an experience-dependent mechanism. *British Journal of Developmental Psychology*, 35(3), 439-453.
21. Bick, J., **Luyster, R.**, Fox, N., Zeanah, C., & Nelson, C. (2017). Effects of early institutionalization on emotion processing in 12-year-old youth. *Development and Psychopathology*, 29(5), 1749-1761.
22. Wagner, J.B., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C.A. (2016). Greater pupil size in response to emotional faces as an early marker of social-communicative difficulties in infants at high risk for autism. *Infancy*, 21, 560-581.
23. Arunachalam, S. & **Luyster, R.** (2016). The integrity of lexical acquisition mechanisms in autism spectrum disorders: A research review. *Autism Research*, 9, 810-828.
24. Grzadzinski, R.*, **Luyster, R.**, Spencer, A., & Lord, C. (2014). Attachment in young children with autism spectrum disorders: An examination of separation and reunion behaviors with both mothers and fathers. *Autism: International Journal of Research and Practice*, 18(2), 85-96.
25. **Luyster, R.**, Powell, C., Tager-Flusberg, H., & Nelson, C. (2014). Neural measures of social attention across the first years of life: Characterizing typical development and markers of autism risk. *Developmental Cognitive Neuroscience*, 8, 131-143.
26. Wagner, J.B., **Luyster, R.**, Yim, J-Y., Tager-Flusberg, H., & Nelson, C.A. (2013). The role of early visual attention in social development. *International Journal of Behavioral Development*, 37(2), 118-124.

27. Wall, D., Dally, R., **Luyster, R.**, Jung, J-Y., & DeLuca, T. (2012). Use of artificial intelligence to shorten the behavioral diagnosis of autism. *PLoS ONE*, 7(8), e43855.
28. Lord, C., **Luyster, R.**, Guthrie, W., & Pickles, A. (2012). Patterns of developmental trajectories in toddlers with autism spectrum disorders. *Journal of Consulting and Clinical Psychology*, 80(3), 477-489.
29. Lord, C., Petkova, E., Hus, V., Gan, W., Martin, D., Ousley, O., Guy, L., Bernier, R., Gerdts, J., Algermissen, M., Whitaker, A., Sutcliffe, J., Warren, Z., Klin, A., Saulnier, C., Hanson, E., Hundley, R., Piggot, J., Geschwind, D., Fombonne, E., Steinman, M., Miles, J., Kanne, S., Goin-Kochel, R., Peters, S., Cook, E., Guter, S., Tjernagel, J., Green-Snyder, L.A., Bishop, S., Esler, A., Gotham, K., **Luyster, R.**, Miller, F., Olson, J., Richler, J., & Risi, S. (2012). A multi-site study of the clinical diagnosis of different autism spectrum disorders. *Archives of General Psychiatry*, 69(3), 306-313.
30. **Luyster, R.**, Seery, A., Talbott, M., & Tager-Flusberg, H. (2011). Identifying early risk markers and developmental trajectories for language impairment in neurodevelopmental disorders. *Developmental Disabilities Research Reviews*, 17(2), 151-159.
31. **Luyster, R.**, Wagner, J.B., Vogel-Farley, V., Tager-Flusberg, H., & Nelson, C.A. (2011). Neural correlates of familiar and unfamiliar face processing in infants at risk for autism. *Brain Topography*, 24(3), 220-228.
32. **Luyster, R.**, Kuban, K., O'Shea, T.M., Paneth, N., Allred, E., & Leviton, A. (2011). The Modified Checklist for Autism in Toddlers (M-CHAT) in extremely low gestational age newborns: Individual items associated with motor, cognitive, vision and hearing limitations. *Paediatric and Perinatal Epidemiology*, 25(4), 366-376.
33. **Luyster, R.** & Lord, C. (2009). Word learning in children with autism spectrum disorders. *Developmental Psychology*, 45(6), 1774-86.
34. **Luyster, R.**, Gotham, K., Guthrie, W., Coffing, M., Petrak, R., Pierce, K., Bishop, S., Esler, A., Hus, V., Oti, R., Richler, J., Risi, S., & Lord, C. (2009). The Autism Diagnostic Observation Schedule -- Toddler Module: A new module of a standardized diagnostic measure for ASD. *Journal of Autism & Developmental Disorders*, 39(9), 1305-1320.
35. **Luyster, R.**, Kadlec, M. B., Carter, A., & Tager-Flusberg, H. (2008). Language assessment and development in toddlers with autism spectrum disorders. *Journal of Autism & Developmental Disorders*, 38(8), 1426-1438.
36. **Luyster, R.**, Lopez, K., & Lord, C. (2007). Characterizing communicative development in children referred for autism spectrum disorder using the MacArthur-Bates Communicative Development Inventory (CDI). *Journal of Child Language*, 34(3), 623-654.
37. **Luyster, R.**, Qiu, S., Lopez, K., & Lord, C. (2007). Predicting outcomes of children referred for autism using the MacArthur-Bates Communicative Development Inventory (CDI). *Journal of Speech, Language & Hearing Research*, 50, 667-681.
38. Richler, J., **Luyster, R.**, Risi, S., Hsu, W.-L., Dawson, G., Bernier, R., et al. (2006). Is there a regressive "phenotype" of autism spectrum disorder associated with the Measles-Mumps-Rubella vaccine? A CPEA study. *Journal of Autism & Developmental Disorders*, 36(3), 299-316.

39. Lord, C., & **Luyster, R.** (2006). Early diagnosis of children with autism spectrum disorders. *Clinical Neuroscience Research*, 6, 189-194.
40. **Luyster, R.**, Richler, J., Risi, S., Hsu, W.-L., Dawson, G., Bernier, R., et al. (2005). Early regression in social communication in autistic spectrum disorders: A CPEA study. *Developmental Neuropsychology*, 27(3), 311-336.

CONFERENCE PROCEEDINGS

1. Zane, E., Arunachalam, S., & **Luyster, R.** (2021). Caregiver-reported pronominal errors made by children with and without Autism Spectrum Disorder. In: Danielle Dionne & Lee-Ann Vidal Covas (Eds.), *Proceedings of the 45th annual Boston University Conference on Language Development*, 845-859. Somerville MA: Cascadilla Press.

BOOK CHAPTERS

1. **Luyster, R.** & Arunachalam, S. (2019). Learning Language Through Overhearing in Children with ASD. In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer Publishing.
2. **Luyster, R.** (2018). Autism Diagnostic Observation Schedule – 2nd edition. In E. Braaten (Ed.), *The SAGE Encyclopedia of Intellectual and Developmental Disorders*. Thousand Oaks, CA: Sage.
3. **Luyster, R.** (2018). Autism Diagnostic Observation Schedule – Toddler Module (ADOS-T). In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer Publishing.
4. **Luyster, R.** (2018). Communicative acquisition in children with ASD. In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer Publishing.
5. **Luyster, R.** (2018). Language acquisition. In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer Publishing.
6. **Luyster, R.** (2018). Pre-linguistic Autism Diagnostic Observation Schedule (PL-ADOS). In F. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders*. New York: Springer Publishing.
7. Lord, C., **Luyster, R.**, Gotham, K., Guthrie. (2012). *Autism Diagnostic Observation Schedule, Second Edition (ADOS-2) Manual (Part II): Toddler Module*. Torrance, CA: Western Psychological Services.
8. Tager-Flusberg, H., Edelson, L. & **Luyster, R.** (2011). Language and communication in autism spectrum disorders. In D. Amaral, G. Dawson & D. Geschwind (Eds.), *Autism Spectrum Disorders* (Vol. I: Clinical Features and Models – Core Features and Clinical Course). New York: Oxford University Press.
9. **Luyster, R.**, & Lord, C. (2009). The language of children with autism. In E. Bavin (Ed.), *The Cambridge Handbook of Child Language*. Cambridge, England: Cambridge University Press.
10. Bishop, S., **Luyster, R.**, Richler, J., & Lord, C. (2008). Diagnostic assessment. In K. Chawarska, A. Klin & F. Volkmar (Eds.), *Autism Spectrum Disorders in Infants and Toddlers: Diagnosis, assessment and treatment*. New York: Guilford Publications.

11. Lord, C., & **Luyster, R.** (2005). Early diagnosis and screening of autism spectrum disorders, *Medscape Psychiatry & Mental Health*: Medscape (Online Resource).

CONFERENCE PRESENTATIONS

*indicates student/mentee

1. Stone, C., Vu, M. H., Hare, M., Waterman, A. K., Gilyard, K. R., Arunachalam, S., Bergelson, E., Frank, M. C., Hamlin, J. K., Kline Struhl, M., Landa, R. J., Lew-Williams, C., Libertus, M. E., **Luyster, R. J.**, Markant, J., Sheinkopf, S. J., Wagner, J. B., Park, K., Grapel, J. N., Soderling, A. I., Jeste, S., & Tenenbaum, E. J. (2024). *Test-retest reliability in remote application administration with infants*. Poster to be presented at the 24th Annual International Congress of Infant Studies, Glasgow, UK.
2. Arunachalam, S., Boyd, T., Eveleigh, A., Buonocore, T., & **Luyster, R.** (2024). *Learning New Words: Overheard Vs. Addressed Speech*. Poster at the Meeting for the International Society of Autism Research, Melbourne, Australia.
3. **Luyster, R.**, Sheinkopf, S.J., Tenenbaum, E.J., Stone, C., Hare, M., Gilyard, K., Vu, M.H., Kline Struhl, M., Lew-Williams, C., Wagner, J., Markant, J., Arunachalam, S., Bergelson, E., Sabatos-DeVito, M., & Jeste, S. (2024). *Pilot Study of the Remote Infant Studies of Early Learning (RISE) Battery*. Poster at the Meeting for the International Society of Autism Research, Melbourne, Australia.
4. Artis, J., **Luyster, R.**, Carroll, L., He, A. & Arunachalam, S. (2023). *First- and second-person pronoun comprehension in autistic and nonautistic children*. Poster at the Symposium on Research in Child Language Disorders. Madison, WI.
5. Shukla, V.*, **Luyster, R.**, Flisser, S. & Arunachalam, S. (2023). *Processing load and verb learning in an online study with autistic and non-autistic preschoolers*. Poster at the Symposium on Research in Child Language Disorders. Madison, WI.
6. Arunachalam, S., Boyd, T., Buonocore, T., Hernandez, T., & **Luyster, R.** (2022). *Learning new words from video in autistic preschoolers: Overheard vs. addressed speech*. Poster at the Symposium on Research in Child Language Disorders. Madison, WI.
7. Macaruso, E.*, Wisman Weil, L., **Luyster, R.** (2022). *Mental State Verbs Expressed by Children on the Autism Spectrum: A syntactic perspective*. Poster at the Meeting of the International Society for Autism Research. Austin, TX.
8. Arnold, R.*, Wisman Weil, L., Zane, E., & **Luyster, R.** (2022). *Capturing Unconventional Language Use over Time in Individuals on the Autism Spectrum: A Preliminary Study*. Poster at the Meeting of the International Society for Autism Research. Austin, TX.
9. Boyd, T., Steele, A.*, Buonocore, T., **Luyster, R.**, & Arunachalam, S. (2022). *Viability of Virtual Gaze Data in Preschoolers with and without Autism Spectrum Disorder*. Poster at the Meeting of the International Society for Autism Research. Austin, TX.
10. Mitchell, C.*, **Luyster, R.**, & Naigles, L. (2021). *Frequency, Form, and Function: Question-Asking in Young Children with Autism Spectrum Disorder*. Poster at the Meeting of the International Society for Autism Research (virtual).

11. He, A.X., **Luyster, R.**, & Arunachalam, S. (2021). *Parent tuning to children's language processing speech*. Presentation at the 2021 Society for Research on Child Development Biennial Meeting, held virtually due to COVID-19.
12. Zane, E., Arunachalam, S. & **Luyster, R.** (2020). *Caregiver-reported pronominal errors made by children with and without autism spectrum disorder*. Presentation at the Boston University Conference on Language Development, held virtually due to COVID-19.
13. LeGrand, K. J.*, Wisman Weil, L., & **Luyster, R.** (2020). *Identifying age 5 language features that best predict adult language outcome in individuals with ASD*. Poster at the American Speech Language Hearing Association Convention, San Diego, CA. Cancelled due to COVID-19.
14. Fitch, A., Arunachalam, S., & **Luyster, R.** (2020). *Access to multiple speaker contexts predicts pronoun acquisition and use in ASD*. Poster at Meeting on Language in Autism (MoLA), Durham, NC. Cancelled due to COVID-19.
15. Lin, K.R.*, Wisman Weil, L., Thurm, A., Lord, C., & **Luyster, R.** (2020). *The role of imageability in early word learning of children with autism spectrum disorder*. Poster at Meeting on Language in Autism (MoLA), Durham, North Carolina. Cancelled due to COVID-19.
16. LeGrand, K. J.*, Wisman Weil, L., & **Luyster, R.** (2020). *What really matters? Characterizing "the presence of useful speech" in 5-year-olds with ASD*. Poster at the Meeting on Language in Autism (MoLA), Durham, North Carolina. Cancelled due to COVID-19.
17. Mitchell, C.*, **Luyster, R.**, & Naigles, L. (2020). *Frequency, form, and function: Question-asking in young children with autism spectrum disorder*. Poster at the Meeting on Language in Autism (MoLA), Durham, North Carolina. Cancelled due to COVID-19.
18. Lin, K.R.*, Wisman Weil, L., Thurm, A., Lord, C., and **Luyster, R.** (2020). *The role of imageability in early word learning of children with autism spectrum disorder*. Poster at the Meeting of the International Society for Autism Research, Seattle, Washington. Cancelled due to COVID-19.
19. Fung, K.*, Edwards, S.*, Arunachalam, S., and **Luyster, R.** (2020). *What's a Chinchilla? Question asking in Children with Autism Spectrum Disorder*. Poster at the Meeting of the International Society for Autism Research, Seattle, Washington. Cancelled due to COVID-19.
20. LeGrand, K. J.*, Wisman Weil, L., & **Luyster, R.** (2020). *What really matters? Characterizing "the presence of useful speech" in 5-year-olds with ASD*. Poster at the Meeting of the International Society for Autism Research, Seattle, Washington. Cancelled due to COVID-19.
21. Clancy, H.*, He, A. X., **Luyster, R.**, & Arunachalam, S. (2019). *"It's in your box!" Personal pronoun comprehension in children with ASD*. Oral presentation at the 44th Annual Boston University Conference on Language Development (BUCLD), Boston, MA.
22. Avtushka, V.*, **Luyster, R.**, Guthrie, W., & Arunachalam, S. (2019). *An indirect measure of caregivers' reliability in reporting children's noun and verb knowledge*. Poster presented at the 2nd NSF -Research

Experience for Undergraduates Site Intersection of Linguistics, Language & Culture First Annual Conference, Brooklyn, NY.

23. Fitch, A., Arunachalam, S. & **Luyster, R.** (2019). *Access to multiple speaker contexts predicts acquisition and use of pronouns in ASD*. Poster presented at the 2019 Meeting of the International Society for Autism Research. Montreal, Canada.
24. Fitch, A., Lieberman, A., **Luyster, R.**, & Arunachalam, S. (2019). *Contexts for third-party word learning: Joint attention matters*. Poster presented at the 44th Annual Boston University Conference on Language Development (BUCLD), Boston, MA.
25. Leiwant, I., Mann, J., Arunachalam, S., & **Luyster, R.** (2019). *Naturalistic question asking in children with ASD: A CHILDES corpus study*. Poster presented at the 2019 Meeting of the International Society for Autism Research. Montreal, Canada.
26. Zane, E., Arunachalam, S., **Luyster, R.** (2019). *Evidence for Pronoun-Mapping Confusion in Children with ASD*. Poster presented at the 2019 Meeting of the International Society for Autism Research. Montreal, Canada.
27. Fitch, A., Lieberman, A., **Luyster, R.**, & Arunachalam, S. (2019). *The role of perspective taking in third-party word learning*. Poster presented at the 2019 Meeting of the Society for Research in Child Development, Baltimore, MD.
19. Zane, E., Arunachalam, S., & **Luyster, R.** (2019). *Caregiver-reported pronominal errors made by children with and without Autism Spectrum Disorder*. Oral presentation at the 2019 Linguistic Society of America (LSA) Annual Meeting, New York, NY.
20. Georgeson, J.*, Netburn, A.&, Arunachalam, S., & **Luyster, R.** (2018). *Does Overhearing Language Support First- & Second-Person Pronoun Mastery in Children With ASD?* Poster presented at the 2018 American Speech-Language-Hearing Association Convention, Boston, MA.
21. Netburn, A.*, Georgeson, J.*, Arunachalam, S., & **Luyster, R.** (2018). *Is the sky blue? Question asking in autism spectrum disorder*. Poster presented at the 2018 American Speech-Language-Hearing Association Convention, Boston, MA.
22. Netburn, A.*, Georgeson, J.*, Arunachalam, S., & **Luyster, R.** (2018). *Is the sky blue? Question asking in autism spectrum disorder*. Poster presented at the 2018 Meeting of the International Society for Autism Research, Rotterdam, Netherlands.
23. Maeda, M.*, Lord, C., & **Luyster, R.** (2018). *Is Repetitive Speech a Marker of Development or Impairment?: Correlates of Unconventional Language Use*. Poster presented at the 2018 Meeting of the International Society for Autism Research, Rotterdam, Netherlands.
24. **Luyster, R.**, & Arunachalam, S. (2017). *Learning words through overhearing in children with ASD*. Presentation at the 2017 Symposium on Research in Child Language Disorders, Madison, Wisconsin.
25. Ghofrani, J.*, **Luyster, R.**, & Arunachalam, S. (2017). *Overheard speech and word learning in children with*

autism spectrum disorder. Paper presented at the Society for Research in Child Development, Austin, Texas.

26. He, A., Kim, N., Hong, J., **Luyster, R.**, & Arunachalam, S. (2016). *Pronouns in maternal input to infants at high- vs. low-risk for autism spectrum disorder*. Presented at 37th annual Symposium on Research in Child Language Disorders, Madison, Wisconsin.
27. **Luyster, R.** & Arunachalam, S. (2016). *Can children with ASD learn language through overhearing?* Presented at the International Meeting for Autism Research, Baltimore, Maryland.
28. **Luyster, R.**, Souter, N.* & Lord, C. (2016). *Unconventional language use in autism spectrum disorder: Individual differences and change over time*. Presented at the 28th American Psychological Society Annual Convention, Chicago, Illinois.
29. Wagner, J., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C.A. (2015). *Early associations between eye-tracking and electrophysiological measures of familiar face processing*. Presented at the Society for Research in Child Development, Philadelphia, Pennsylvania.
30. **Luyster, R.**, Auguste, E.*, & Nelson, C. (2015). *Emotion processing in adolescents with ASD: Using multiple measures and varying intensities*. Presented at the International Meeting for Autism Research, Salt Lake City, Utah.
31. **Luyster, R.** & Nelson, C. (2015). *Neural response to high- and low- intensity emotional facial expressions across the first two decades of life*. Presented at the Society for Research in Child Development, Philadelphia, Pennsylvania.
32. Moustapha, H., Wagner, J., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C.A. (2015). *Increased attention to eyes relates to worse communication ability one year later in infants at high risk for autism spectrum disorder*. Presented at the 27th American Psychological Society Annual Convention, New York, New York.
33. Wagner, J., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C. (2014). *Increased pupil size to emotional faces in infants at high risk for autism as an early predictor of atypical development*. Presented at the International Meeting for Autism Research, Atlanta, Georgia.
34. Edwards, L., Masyn, K., **Luyster, R.**, & Nelson, C. (2014). *Early developmental trajectories of infants at risk for autism spectrum disorder*. Presented at the International Meeting for Autism Research, Atlanta, Georgia.
35. **Luyster, R.**, Young, A., & Nelson, C.A. (2013). *A within-subject comparison of sensitivity to emotional faces: Comparing brain and behavioral measures*. Presented at the Society for Research in Child Development, Seattle, Washington.
36. **Luyster, R.**, Wagner, J., Vogel-Farley, V., Tager-Flusberg, H., & Nelson, C.A. (2012). *Do children with ASD show an abnormal neural response to faces at 12 months of age?* Presented at the International Meeting for Autism Research, Toronto, Canada.
37. Keehn, B., **Luyster, R.**, Vogel-Farley, V., Tager-Flusberg, H., & Nelson, C.A. (2012). *Gamma-band activity*

and coherence in response to familiar and unfamiliar faces in infants at-risk for autism spectrum disorder. Presented at the International Meeting for Autism Research, Toronto, Canada.

38. **Luyster, R.**, Wagner, J., Tager-Flusberg, H., & Nelson, C.A. (2011). *Attention to upright and inverted faces in children 6-12 months of age: Are there associations with autism risk?* Presented at the Society for Research in Child Development, Montreal, Canada.
39. **Luyster, R.**, Wagner, J., Vogel-Farley, V., Tager-Flusberg, H., & Nelson, C.A. (2011). *Using event-related potentials to explore age-related changes in infant responses to faces.* Presented at the International Meeting for Autism Research, San Diego, California.
40. **Luyster, R.**, Wagner, J., Vogel-Farley, V., Kasparian, L., Tager-Flusberg, H., & Nelson, C. (2010). *Visual attention and neural response to faces in infants at high risk for ASD.* Presented at Emerging Neuroscience of Autism, San Diego, California.
41. Fox, S.E., Wagner, J.B., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C.A. (2010). *Early face and emotion processing: A fNIRS approach to the study of infants at risk for autism.* Presented at the Functional Near Infrared Spectroscopy Conference, Cambridge, Massachusetts.
42. **Luyster, R.**, Wagner, J., Augenstein, T., Kasparian, L., Tager-Flusberg, H., & Nelson, C. (2010). *High-risk infants' behavioral and neural responses to faces: An eye-tracking and visual ERP study.* Presented at the International Meeting for Autism Research, Philadelphia, Pennsylvania.
43. Wagner, J., **Luyster, R.**, Kasparian, L., Tager-Flusberg, H., & Nelson, C. (2010). *High-risk infants' visual scanning and attention disengagement in response to emotional faces.* Presented at the International Meeting for Autism Research, Philadelphia, Pennsylvania.
44. Richler, J., **Luyster, R.**, & Lord, C. (2010). *The presence of restricted and repetitive behaviors in infants and toddlers with typical development.* Presented at the International Meeting for Autism Research, Philadelphia, Pennsylvania.
45. Wagner, J. B., **Luyster, R.**, Yim, J. Y., Tager-Flusberg, H., & Nelson, C. A. (2010). *Visual disengagement to emotional faces in infants at risk for autism spectrum disorder.* Presented at the Biennial International Conference on Infant Studies, Baltimore, Maryland.
46. Wagner, J. B., **Luyster, R.**, Tager-Flusberg, H., & Nelson, C. A. (2010). *Eye-tracking and neural measures of face processing in infants at risk for ASD.* Presented at the Society for Developmental & Behavioral Pediatrics Meeting, Boston, Massachusetts.
47. Nelson, C.A., Vogel-Farley, V., Augenstein, T., Seery, A., Tierney, A., Gabard-Durnam, L, Wagner, J., **Luyster, R.**, & Tager-Flusberg, H. (2010). *Neurophysiological predictors of autism spectrum disorders.* Presented at the Biennial Meeting of the International Conference on Infants Studies, Baltimore, Maryland.
48. Fox, S. E., Wagner, J. B., **Luyster, R.**, & Nelson, C. A. (2010). *The infant neural response to faces as measured by near-infrared spectroscopy.* Poster presented at the Biennial International Conference on Infant Studies, Baltimore, Maryland.

49. **Luyster, R.**, Hanson, E., Coggins, N., Le, M., Lomibao, J., Travolta, R., et al. (2009). *Correlation of autism traits in families of children with autism spectrum disorders*. Presented at the International Meeting for Autism Research, Chicago, Illinois.
50. Parish-Morris, J., **Luyster, R.**, Tager-Flusberg, H., Hirsh-Pasek, K., & Golinkoff, R.M. (2009). *Vocabulary in 2-year-olds with autism spectrum disorder: A magnified verb problem?* Presented at the International Meeting for Autism Research, Chicago, Illinois.
51. **Luyster, R.**, Guthrie, W., Gotham, K., Risi, S., DiLavore, P. & Lord, C. (2008). *The Autism Diagnostic Observation Schedule – Toddler Module: Preliminary findings using a modified version of the ADOS*. Presented at the International Meeting for Autism Research, London, England.
52. Grzadzinski, R., Spencer, A., **Luyster, R.**, & Lord, C. (2008). *Attachment behaviors in young children with autism spectrum disorders: An examination of factors associated with separation and reunion*. Presented at the International Meeting for Autism Research, London, England.
53. **Luyster, R.**, & Lord, C. (2007). *Vocabulary development in toddlers with autism spectrum disorder*. Presented at the Society for Research in Child Development, Boston, Massachusetts.
54. **Luyster, R.**, Kadlec, M. B., Bass, A., Gower, A., Connolly, C., Carter, A., et al. (2006). *Language assessment and development in toddlers with autism spectrum disorders*. Presented at the International Meeting for Autism Research, Montreal, Canada.
55. **Luyster, R.**, & Lord, C. (2006). *Adapting the Autism Diagnostic Observation Schedule (ADOS) for infants and toddlers*. Presented at the 2nd World Autism Congress & Exhibition, Cape Town, South Africa.
56. **Luyster, R.**, Qiu, S., Lopez, K., & Lord, C. (2005). *Predicting outcomes of children referred for autism using the MacArthur-Bates Communicative Development Inventory (CDI)*. Presented at the International Meeting for Autism Research, Boston, Massachusetts.
57. **Luyster, R.** (2005). *Across the boundaries: Research in normal and abnormal development*. Presented at Beyond Dichotomies, Across the Boundaries: Interdisciplinary Investigations of Dynamic Interactions in Biological and Social Sciences, Minneapolis, Minnesota.
58. **Luyster, R.**, Qiu, S., Lopez, K., & Lord, C. (2005). *Predicting outcomes of children referred for autism using the MacArthur-Bates Communicative Development Inventory (CDI)*. Presented at the Collaborative Programs for Excellence in Autism Conference, Washington D.C..
59. **Luyster, R.**, Lopez, K., & Lord, C. (2005). *A longitudinal study of children referred for autism using the MacArthur-Bates Communicative Development Inventory (CDI)*. Presented at the Society for Research on Child Development, Atlanta, Georgia.
60. **Luyster, R.**, Richler, J., Risi, S., Hsu, W.-L., Dawson, G., Bernier, R., et al. (2004). *Early regression in social communication in autistic spectrum disorders: A CPEA study*. Presented at the International Meeting for Autism Research, Sacramento, California.

61. Richler, J., **Luyster, R.**, Risi, S., Hsu, W. L., Dawson, G., Bernier, R., et al. (2004). *Is there a regressive "phenotype" of autism spectrum disorder associated with the measles-mumps-rubella vaccine? A CPEA study.* Presented at the International Meeting for Autism Research, Sacramento, California.
62. Lomangino, A.G., Edgell, A., Hsu, W.L., **Luyster, R.**, Richler, J., Fish, A., et al. (2002). *Early communicative and social reciprocity behaviors among children with autistic spectrum disorders, with and without word loss.* Presented at the International Meeting for Autism Research, Orlando, Florida.

INVITED PRESENTATIONS

- 2024 *Supporting the language development of your autistic child.* Upcoming presentation at Autism Expo 2024, Seoul, South Korea.
- 2024 *Building on strengths: Language learning in autism.* Upcoming presentation at Korea University, Seoul, South Korea.
- 2024 *Language in autism: Motivating questions for 2024.* University of Seville, Seville, Spain.
- 2022 *Revisiting "Unconventional Language" in Autism: What is it and why does it matter?* American Speech-Language-Hearing Association Convention, New Orleans, Louisiana.
- 2022 *Learning words using overheard language in children with ASD.* Boston University, Boston, MA.
- 2022 *Learning words from overheard language in children on the spectrum.* Duke University, Durham, NC.
- 2021 *Using the ADOS-2 and ADI-R to understand child communication.* Cursos Actualmente, Buenos Aires, Argentina.
- 2020 *What, Why and How Many? Questions asked by young children with ASD.* University of Connecticut, Storrs, Connecticut.
- 2019 *Language learning and using language to learn.* University of Massachusetts - Boston, Boston, Massachusetts.
- 2018 *Parent report of daily language use in ASD: Patterns of pronoun and question acquisition.* American Speech-Language-Hearing Association Convention, Boston, Massachusetts.
- 2018 *Early development in ASD: Language learning and using language to learn.* Massachusetts General Hospital Institute of Health Professions, Boston, Massachusetts.
- 2017 *Acquisition and use of language in ASD.* Center for Autism Research Excellence, Boston University, Boston, Massachusetts.
- 2016 *Teaching online at Emerson: Some examples, a discussion and some additional tools to use.* Emerson College, Boston MA.
- 2016 *Little children with big ears: Overhearing and language learning in children with ASD.* School of Communication Research Colloquium Series, Emerson College, Boston, MA.
- 2015 *Autism spectrum disorders: The state of the field.* Harvard University School of Public Health, Boston, Massachusetts.
- 2013 *When early development goes awry: The case of autism spectrum disorder.* Stanford University Department of Psychology, Palo Alto, California.
- 2013 *Autism spectrum disorder in infants and toddlers: Early identification, assessment and intervention.* Bermuda Hospitals Board, Hamilton, Bermuda.
- 2013 *Autism spectrum disorders: An overview.* Harvard University School of Public Health, Boston, Massachusetts.
- 2011 *Autism spectrum disorders: The state of the research.* Harvard University School of Public Health, Boston, Massachusetts.
- 2010 *An introduction to autism spectrum disorders.* Harvard University Department of Psychology, Cambridge, Massachusetts.

- 2010 *The phenotype and endophenotype of autism spectrum disorders.* Harvard University School of Education, Cambridge, Massachusetts.
- 2010 *ASD in infants and toddlers: Research and clinical issues.* Autism Update 2010: Hear from the experts, Edison, New Jersey.
- 2010 *Neural signatures of autism: Electrophysiological and metabolic assays in high-risk infants.* Eunice Kennedy Shriver Center, UMASS Medical School, Waltham, Massachusetts.
- 2008 *Autism spectrum disorders: An overview.* Harvard University School of Public Health, Boston, Massachusetts.
- 2008 *Language development in children with autism spectrum disorders.* New York University Psychology Department, New York City, New York.
- 2008 *Language in autism spectrum disorders.* MIT Department of Brain and Cognitive Sciences Seminar, Boston, Massachusetts.
- 2008 *Early communication development in children with autism spectrum disorders.* MGH Autism and Developmental Disorders Colloquium Series, Boston, Massachusetts.
- 2007 *The ASD phenotype(s): Bridging clinical observations and genetics research.* 2nd Annual Autism Consortium Retreat, Boston, Massachusetts.
- 2007 *Current literature in ASD: Early development and intervention.* University of Michigan, Dearborn, Michigan.
- 2005 *Early development in ASD.* University of Michigan, Ann Arbor, Michigan.
- 2005 *Current research in ASD.* Autism Society of America, Dearborn, Michigan.

HONORS AND AWARDS

- 2023 Norman and Irma Mann Stearns Distinguished Faculty Award
- 2021 Huret Faculty Excellence Award
- 2017 Research Mentoring-Pair Travel Award, American Speech-Language-Hearing Association
- 2016 Guest speaker at the President's Welcome, Emerson College, Boston, MA.
- 2016 Recipient, Emerson College Alumni Award for Teaching Innovation
- 2015 Attendee, *Lessons for Success*, American Speech-Language-Hearing Association
- 2011-2012 Member, Harvard College Neurobiology Board of Tutors
- 2010 International Meeting for Autism Research Young Investigator Award, First Runner-Up
- 2007 Organization for Autism Research, Graduate Research Grant
- 2007 Dissertation Grant, Department of Psychology, University of Michigan
- 2006 Rackham Graduate Student Research Grant, University of Michigan
- 2002 Regent's Fellowship (for academic excellence), University of Michigan
- 2000 Thorndike Prize (for excellence in Psychology), Wesleyan University

OUTREACH AND MEDIA

- 2021 Educator workshop at Cambridge Nursery School, Cambridge, MA
- 2020 Guest appearance on Emerson College *Podcast on the Common*
- 2018 Guest post on The Informed SLP (theinformedslp.com)
- 2017 Guest post on Special Moms network (specialmomsnetwork.org)
- 2017 Featured in *Untangling the Language Challenges in Autism*, ASHA Leader article
- 2016 Profiled in Emerson College *Expressions Magazine*
- 2016 Profiled in Emerson College *Alumni Newsletter*
- 2013 Guest appearance on Emerson College School of Communication podcast

TEACHING EXPERIENCE

Undergraduate Courses

Developmental Disabilities (2011)
Introduction to Psychology (2006, 2007)
Developmental Psychology (2018, yearly since 2020)
Advanced Research Methods in Psychology (2005, 2006)
Language Acquisition (2014, 2015, 2016, 2017)

Graduate Courses

Foundations of Language Acquisition (2012, 2013, 2014)
Research Methods & Measurements (yearly since 2012)
Autism: Social Communication Development and Disorders (yearly since 2016)

RESEARCH MENTORSHIP

Faculty

Served as faculty mentor at Emerson College for: Lindsay Griffin (2019-, Assistant Professor).
Served as faculty mentor (via ASHA's MARC program) for Kelly Koch (2020-21, currently Assistant Professor at University of Southern Mississippi).
Served as faculty mentor (via ASHA's *Pathways* program) for Abigail Delehanty (2021-22, currently Assistant Professor at Duquesne University).
Served as faculty mentor (via ASHA's MARC program) for Avinash Mishra (2021-22, currently Assistant Professor at Sacred Heart University).

Postdoctoral

Served as faculty mentor (via ASHA's MARC program) for Emily Loring (2022-23, currently Assistant Professor at Michigan State University).
Served as faculty mentor (via ASHA's *Pathways* program) for Teresa Girolamo (2020-21, currently Assistant Professor at UCSD).
Served as faculty mentor (via ASHA's Research-Pair Mentoring Program) for Ali Fitch (2017, currently Assistant Professor at Rochester Institute of Technology).

Doctoral

Served on doctoral committee for Vishakha Shukla (2021-2025, student at New York University).
Served as faculty mentor (via ASHA's MARC program) for Olivia Boorum (2022-23, currently doctoral student at University of Kansas).
Served as faculty mentor (via ASHA's MARC program) for Suma Suswaram (2021-22, currently doctoral student at University of Kansas).
Served as dissertation reader for Pauline Maes (2021, student at Université Libre de Bruxelles, Belgium).
Served as dissertation reader for Ramandeep Kaur (2019, student at Mangalore University, Mangalore, India).

Master's theses

Chaired at Emerson College for: Julie Conlon (2014), Zoe Pichler (2015), Devon Milkie (2016), Eve Conti (2017), Amanda Netburn (2018), Mika Maeda (2018), Jennifer Georgeson (2018), Clare Mitchell (2019), Kaya LeGrand (2020, currently completing PhD at University of Connecticut), Kimberly Lin (2021), Ellen Macaruso (2021), Rachel Arnold (2021), Luke Davis (2023), Boram Kim (2023, currently Assistant Professor at CUNY).

Undergraduate theses and independent study

Served as thesis committee member for Elly Kushner (University of Pittsburgh, 2019).

Supervised at Emerson College for: Brittany Schoellkopf (2016); Isabella Leiwant (2017, now completing PhD at Northeastern University).

Chaired at Harvard Medical School for: Nora Kovar (2012, completed MD at UNMC); Audrey Young (2013, completed MD at Northwestern University).

Other Mentoring

Placement mentor for international undergraduate students from University of Bath (England) for: Nicholas Souter (2015, completed PhD at University of Sussex), Molly Atkinson (2016), Maddie Saunders (2017), Sophie Edwards (2018, completed MA at University of Westminster), Kayley Fung (2019), Amelia Steele (2021, currently completing MSc at University of Sussex), Kiah Tandon (2024), Leyaan Ali (2024).

PROFESSIONAL ACTIVITIES AND SERVICE

Ad Hoc Manuscript Reviewer: *American Journal of Speech-Language Pathology; Autism and Developmental Language Impairments; Autism: International Journal of Research and Practice; Autism Research; Child Development; Developmental Science; Developmental Neuropsychology; European Child & Adolescent Psychiatry; International Journal of Language & Communication; International Journal of Speech Language Pathology; Journal of Abnormal Child Psychology; Journal of Autism & Developmental Disorders; Journal of Cognition and Development; Journal of Child Language; Journal of Communication Disorders; Journal of Experimental Child Psychology; Journal of Pediatrics; Journal of Neurodevelopmental Disorders; Journal of Child Psychology & Psychiatry; Journal of Speech, Language & Hearing Research; Language, Speech and Hearing Services in Schools; Mind & Language; Neuropsychologia; Pediatrics; Psychological Bulletin; Psychological Science; Psychophysiology; Research in Autism Spectrum Disorders; Research in Developmental Disabilities; Research on Child and Adolescent Psychopathology*

Ad Hoc Grant/Proposal Reviews: NIH (CPDD; HPC; ZDC1 SRB-Z), NSF (DLS), Neurological Foundation of New Zealand, Israel Science Foundation, Plural Publishing, Croatian Science Foundation, National Standards Project, International Congress on Infant Studies.

Committee Service for Meeting on Language in Autism (MoLA)

- Organizing Committee Member, 2024
- Organizing Committee Member, 2023
- Founding Member of Organizing Committee, 2020

Committee Service for Annual Meeting of the International Society for Autism Research (INSAR)

- Program Committee Member (Chair, Language and Communication Topic), 2024
- Program Committee Member (Chair, Language and Communication Topic), 2023
- Program Committee Member (Chair, Language and Communication Topic), 2022
- Language and Communication Committee Member, 2014

Committee Service for ASHA Convention

- Program Committee Member (Co-Chair, Considerations for Autistic Populations), 2023
- Health Literacy Topic Committee Member, 2022

ASHA Pathways Program Advisory Committee Member (2021-2024)

Professional Organization Memberships: American Speech-Language-Hearing Association (ASHA), Autism Consortium (Boston, MA), International Society for Autism Research (INSAR), Society for Research in Child Development (SRCD)

College Committees: Faculty Status Committee (2019-2023); Faculty Council (2018-2019); Vice Presidential Advisory Committee (2017-2018); Presidential Advisory Committee (2016); Faculty Development and Research Council (2021; 2013-2016; faculty co-chair: 2015-2016); School of Communication Innovation Team (2015-2016); Educational Equity and Justice Committee (2020-2021); Dean's Advisory Committee for Dean Search (2022-2023); Chair and member of several search committees at College and Department (Communication Sciences and Disorders) level; Chair (2019-2020) and member of Departmental Tenure and Promotion committee (2019-); Ad hoc School of Communication committee on curriculum development; Ad hoc departmental committees on undergraduate curriculum, pre-college program, and special events.

Other Service: Departmental Associate, Developmental Psychology, University of Michigan (2004-2006); Mentor, Michigan Association of Psychology Scholars (MAPS; 2005); Developmental Psychology Preliminary Exam Committee (2006-2007); Developmental Psychology Newsletter Committee (2007); Member, Harvard College Neurobiology Board of Tutors (2011-2012); Science Club for Girls Internship Mentor (2014-2016); University of Bath Student Placement Mentor (2015-)

Other Training: Certified Independent Trainer, Autism Diagnostic Observation Schedule – 2nd Edition (ADOS-2); Certified Independent Trainer, Autism Diagnostic Interview – Revised (ADI-R)