

Ron Pomper

Curriculum Vitae

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Contact Information

Current Address 555 North 30th Street
Boys Town National Research Hospital
Omaha, NE 68131

Telephone (708) 476-9990
Email ronald.pomper@boystown.org
Website <https://rpomper.github.io>

Positions & Education

2020-	Postdoctoral Research Fellow Boys Town National Research Hospital Advisor: Karla McGregor
2014-2020	Ph.D. in Developmental Psychology University of Wisconsin-Madison Advisor: Jenny Saffran
2013-2014	M.S. in Developmental Psychology University of Wisconsin-Madison Advisor: Jenny Saffran
2007-2011	B.A. in Human Biology , conferred with Departmental Honors and conferred with Distinction Stanford University Advisor: Anne Fernald

Research Interests

Word learning; typical and atypical language development; Developmental Language Disorder; Autism Spectrum Disorder; semantic and phonological knowledge; speech processing

Scholarship

Publications

Pomper, R. (in prep). When one is not enough: Children's ability to combine cues in novel word learning.

Hearnshaw, S., Baker, E., **Pomper, R.**, McGregor, K. K., Edwards, J., & Munro, N. (under revision). The relationship between speech perception, speech production, and vocabulary abilities in children: Insights from by-group and continuous analyses.

Pomper, R., McGregor, K. K., Arbisi-Kelm, T., Eden, N., & Ohlmann, N. (2022). Direct and indirect novel word learning abilities of children with Developmental Language Disorder. *Journal of Speech, Language, and Hearing Research*, 1-22. DOI: [10.1044/2022_JSLHR-22-00300](https://doi.org/10.1044/2022_JSLHR-22-00300)

Mathée-Scott, J., Larson, C., Venker, C., **Pomper, R.**, Edwards, J., Saffran, J., & Ellis Weismer, S. (2022). Use of mutual exclusivity and its relationship to language ability in toddlers with Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 52(10), 4528-4539. DOI: [10.1007/s10803-021-05321-0](https://doi.org/10.1007/s10803-021-05321-0)

Zettersten, M., **Pomper, R.**, & Saffran, J. (2022). Valid points and looks: Reliability and validity go hand-in-hand when improving infant methods. [Invited commentary on "Six solutions for more reliable infant research" by K. Byers-Heinlein, C. Bergmann, & V. Savalei]. *Infant and Child Development*, 31(5), e2326. DOI: [10.1002/icd.2326](https://doi.org/10.1002/icd.2326).

Pomper, R., Kaushanskaya, M., & Saffran, J. (2022). Change is hard: Individual differences in children's lexical processing and executive functions after a shift in dimensions. *Language Learning and Development*, 18(2), 229-247. DOI: [10.1080/15475441.2021.1947289](https://doi.org/10.1080/15475441.2021.1947289)

McGregor, K. K., Smolak, E., Jones, M., Oleson, J., Eden, N., Arbisi-Kelm, T., & **Pomper, R.** (2022). What children with Developmental Language Disorder teach us about cross-situational word learning. *Cognitive Science*, 46(2), e13094. DOI: [10.1111/cogs.13094](https://doi.org/10.1111/cogs.13094)

McGregor, K. K., **Pomper, R.**, Eden, N., Arbisi-Kelm, T., Ohlmann, N., Gajre, S., & Smolak, E. (2021). Children's language abilities predict success in remote communication contexts. *Language Development Research*, 1(1), 245-282. DOI: [10.34842/8jgf-r802](https://doi.org/10.34842/8jgf-r802)

Pomper, R., Ellis Weismer, S., Saffran, J., & Edwards, J. (2021).

- Coarticulation facilitates lexical processing for toddlers with autism. *Cognition*, 214, 104799. DOI: [10.1016/j.cognition.2021.104799](https://doi.org/10.1016/j.cognition.2021.104799)
- Venker, C. E., **Pomper, R.**, Mahr, T., Edwards, J., Saffran, J., & Ellis Weismer, S. (2020). Comparing automatic eye tracking and manual gaze coding methods in young children with Autism Spectrum Disorder. *Autism Research*, 13(2), 271-283. DOI: [10.1002/aur.2225](https://doi.org/10.1002/aur.2225)
- Pomper, R.**, Ellis Weismer, S., Saffran, J., & Edwards, J. (2019). Specificity of phonological representations for children with Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 49(8), 3351-3363. DOI: [10.1007/s10803-019-04054-5](https://doi.org/10.1007/s10803-019-04054-5)
- Breen, E., **Pomper, R.**, & Saffran, J.R. (2019). Phonological learning influences label-object mapping in toddlers. *Journal of Speech, Language, and Hearing Research*, 62(6), 1923-1932. DOI: [10.1044/2019_JSLHR-L-18-0131](https://doi.org/10.1044/2019_JSLHR-L-18-0131)
- Pomper, R.**, & Saffran, J. R. (2019). Familiar object salience affects novel word learning. *Child Development*, 90(2), e246-e262. DOI: [10.1111/cdev.13053](https://doi.org/10.1111/cdev.13053)
- Pomper, R.**, & Saffran, J. R. (2016). Roses are red, socks are blue: Switching dimensions disrupts young children's language processing. *PLoS ONE*, 11(6), e0158459. DOI: [10.1371/journal.pone.0158459](https://doi.org/10.1371/journal.pone.0158459)

Other Contributions

- Olson, R. H., **Pomper, R.**, Potter, C. E., Hay, J. F., Saffran, J. R., Ellis Weismer, S., & Lew-Williams, C. (2020). Peyecoder: An open-source program for coding eye movements (Version v1.0.2-beta). Zenodo. [http://doi.org/10.5281/zenodo.3939234](https://doi.org/10.5281/zenodo.3939234)

Presentations

- Pomper, R.**, Arbisi-Kelm, T., Eden, N., & McGregor, K. (2022, June). Separating presentation of words and their referents facilitates learning for children with and without Developmental Language Disorder. Poster presented at the Symposium for Research on Child Language Disorders, Madison, WI.
- Bacon, D., **Pomper, R.**, & Saffran, J. (2022, April). Peas are green: testing toddlers' associations of colors with familiar objects. Poster presented at Cognitive Development Society Bi-Ennial Conference, Madison, WI.
- Mathée-Scott, J., Larson, C., Venker, C., **Pomper R.**, Edwards, J., Saffran, J., & Ellis Weismer, S. (2021, November). Use of Mutual Exclusivity and Relationship to Language Ability in Toddlers with Autism Spectrum Disorder. Oral Presentation at the Annual Convention of the American Speech-

Language-Hearing Association, Washington, DC.

McGregor, K., **Pomper, R.**, Eden, N., Arbisi-Kelm, T., Ohlmann, N., Gajre, S., & Smolak, E. (2021, June). Children's Success in Remote Communication Contexts Varies with Language Ability. Poster presented at the Symposium for Research on Child Language Disorders, Madison, WI.

Mathée, J., Larson, C., Venker, C., **Pomper R.**, Edwards, J., Saffran, J., & Ellis Weismer, S. (2021, June). Mutual Exclusivity and Language Ability in Toddlers with Autism Spectrum Disorder. Poster presented at the Symposium for Research on Child Language Disorders, Madison, WI.

Pomper, R. (2021, April). When One is Not Enough: Children's Ability to Combine Cues in Novel Word Learning. Flash Talk presented at the Society for Research in Child Development Biennial Meeting.

Pomper, R., McGregor, K., Eden, N., Arbisi-Kelm, T., Ohlmann, N. (2021, April). Direct and Indirect Novel Word Learning Abilities for Children with Developmental Language Disorder. Flash Talk presented at the SRCD 2021 Biennial Meeting.

Pomper, R., Kaushanskaya, M., & Saffran, J. (2019, November). Changing dimensions affects older children's language processing. Poster presented at the Boston University Conference on Language Development, Boston, MA.

Pomper, R., Saffran, J., Ellis Weismer, S., & Edwards, J. (2019, November). Effect of coarticulation on language processing for children with autism. Poster presented at the Boston University Conference on Language Development, Boston, MA.

Pomper, R., Kaushanskaya, M., & Saffran, J. (2019, October). Disruptions in children's lexical processing following changes in dimensions and the relation to age and executive function. Poster presented at the Cognitive Development Society Biennial Conference, Louisville, KY.

Pomper, R., & Saffran, J.R. (2018, July). More than distractors: Familiar objects influence toddlers' semantic representations in novel word learning. Poster presented at the XXI ICIS Biennial Congress, Philadelphia, PA.

Pomper, R., Ellis Weismer, S., Saffran, J.R., Mahr, T., & Edwards, J. (2018, June). Phonological representations in children with Autism Spectrum Disorder. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.

Breen, E., **Pomper, R.**, & Saffran, J.R. (2017, November). Connecting phonotactic

- learning and word learning in infancy. Poster presented at the Boston University Conference on Language Development, Boston, MA.
- Pomper, R., & Saffran, J.R.** (2017, April). Switching dimensions disrupts young children's language comprehension. Poster presented at the Society for Research in Child Development, Austin, TX.
- Pomper, R., & Saffran, J. R.** (2015, October). Salient competitors in novel word learning. Poster presented at the Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.
- Pomper, R., Potter, C., Benitez, V.L., & Saffran, J.R.** (2015, June). Segmenting words of varying length: Statistics don't always win. Oral presentation given at the International Conference on Interdisciplinary Advances in Statistical Learning, San Sebastian, Spain.
- Fernald, A. & **Pomper, R.** (2011, March). For toddlers too, the search for the object begins at the verb. Oral presentation at the CUNY Conference on Human Sentence Processing, Stanford, CA.
- Fernald, A. & **Pomper, R.** (2010, September). For toddlers too, the search for the object begins at the verb. Oral presentation at the Conceptual Structure, Discourse and Language and Embodied and Situated Language Processing Conference, San Diego, CA.

Awards and Honors

2022-	Postdoctoral Fellow , individual NRSA from the NIDCD (F32DC020344): Phonological networks and novel word learning by children with developmental language disorder
2022	ASHA Lessons for Success Program , mentored by Dr. Jana Iverson
2021-2022	ASHA Pathways Program , mentored by Dr. Sara Kover
2017-2019	Predoctoral Fellow , individual NRSA from the NICHD (F31HD091969): Combining cues in word learning
2017-2019	Morse Scholar , Waisman Center, University of Wisconsin-Madison
2015-2017	Trainee , NIDCD (T32DC005359): Interdisciplinary research training in speech-language disorders

2014-2015	Trainee , NICHD (T32HD049899): Training in Language: Acquisition and adult performance
2013-2014	University Distinguished Graduate Fellowship , UW-Madison
2012	German Academic Exchange Service (DAAD) scholar , University of Saarland, Germany
2011	Phi Beta Kappa , Stanford University, CA
2011	Firestone Medal , for excellence in Undergraduate Research Stanford University, CA
2010	Undergraduate and Advising Research (UAR) Major Grant Stanford University, CA

Teaching & Mentoring Experience

2022	Instructor , Eye-tracking workshop <i>I created and led a tutorial at Ohio State University on processing data from automatic eye-trackers and different methods for statistical analysis</i>
2019	Instructor , Child Development (Psych 460) <i>I taught a lecture-based course for 200 students which provided an introduction to perceptual, motor, cognitive, linguistic, social, emotional, moral, and atypical development with an emphasis on broad themes and theories uniting a diverse field of research</i>
2018	Instructor , Current Topics in Psychology (Psych 601) Deficit or Difference? Interpreting Diverse Developmental Pathways, UW-Madison <i>I taught a discussion-based capstone course for seniors examining whether variability in developmental outcomes should be framed as deficits or differences</i>
2018	Research Mentor , for the Psychology Research Experience Program, UW-Madison <i>I mentored a student from the University of Virginia, helping her design, administer, analyze, and present a research project</i>
2017-2018	Participant , Leadership Institute

Office for Equity and Diversity
Weekly meetings with a learning community focused on developing leadership skills and fostering work environments that promote diversity, equity, and inclusion

- 2017 **Research Mentor**, for the PEOPLE Program Summer Internship, UW-Madison
I co-mentored two high school students who worked in the Infant Learning Lab during the summer as Research Assistants
- 2016 **Teaching Assistant**, Cognitive Development (Psychology 502), UW-Madison
I planned & led 3 weekly discussion sections
- 2016 **Teaching Assistant**, Child Development (Psychology 560), UW-Madison
- 2011-2012 **Core Course Associate**, the Program in Human Biology Stanford University
This was a full-time paid teaching position for a 3 trimester course sequence on: Culture, Evolution, and Society; Behavior, Health, and Development; Environmental and Health Policy Analyses. I planned & led 5 weekly discussion sections. In addition, I wrote and graded papers and exams (Supervisor: Noa Pinter-Wollman, Ph.D.)
- 2009 **Teaching Assistant**, Language Understanding by Children and Adults (Psych 7Q), Psychology Department, Stanford University
- Guest Lectures:
- 2018 *Atypical Language Development*, Current Topics in Psychology Course (Psych 601) Studying language development inside and outside the lab, UW-Madison
- 2016 *Language Development*, Cognitive Development Course (Psychology 502), UW-Madison
- 2016 *Word Learning*, Child Development Course (Psychology 560), UW-Madison

Professional Service

- 2022- **Raising Awareness of Developmental Language Disorder (RADLD) Ambassador**
I collaborated with other ambassadors to develop a coding system to determine whether state guidelines use evidence-based practice when establishing criteria for children to qualify for Individual Education Plans (IEPs) for speech-language impairments
- 2018- **Reviewer**
*Child Development
Journal of Speech, Language, and Hearing Research
Journal of Autism and Developmental Disorders
Journal of Cognition and Development
Cognitive Development
Cognitive Science*
- 2013-2019 **Program Committee**
Symposium on Research in Child Language Disorders (SRCLD)
Communication Sciences and Disorders, UW-Madison
- 2014-2015 **Young Science Scholar**
University-Community partnership to improve Elementary School Science Education
I worked with teachers at Sandburg Elementary School to help revise their science curricula and co-taught science lessons once per week.

Departmental Service

- 2019-2020 **Graduate Student Representative** for Faculty and Graduate Committee Meetings