

Elizabeth Roye Schotter

Psychology Department
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Professional Positions

2022-present Associate Professor; Psychology Department, University of South Florida
2016-2022 Assistant Professor; Psychology Department, University of South Florida
2013-2016 Post-doctoral Scholar; Rayner Eye Tracking Lab, University of California, San Diego

Education

2007-2013 Ph.D., Psychology, University of California, San Diego
2007-2008 M.A., Psychology, University of California, San Diego
2003-2007 B.A.s, Psychology, Classics; *Summa Cum Laude*; Washington University in St. Louis

Research Fields

Cognitive Science, Reading, Language Processing, Attention, Visual Perception, Eye tracking, Electroencephalography (EEG), Co-registration of eye tracking and EEG

Grants & Fellowships

Pending PI on NSF Grant (co-PI: Karen Emmorey)
Collaborative Research: Understanding reading efficiency: Assessing the distribution of language processing across the visual field
\$1,053,363 (local budget: \$527,200)

2025 Faculty Mentor on Alfred P. Sloan Foundation Grant G-2022-19521 (PI: John Weishampel)
Creating Equitable Pathways to STEM Graduate Education Program
Subaward: *Florida's Academic Consortium to Cultivate Engineering & Science Opportunities*
(Student: Luis Montás Aristy)
\$6,000 plus housing, food, and travel

2024-2025 Faculty Mentor on Undergraduate Research Fellowship in Visualization, Virtualization, and Simulation (Student: Jeremiah Adeyemi)
Using deconvolution to understand cognitive processes in reading and language comprehension
\$1,000

2024-2027 PI on NSF Grant 2341665/2341666 (co-PI: Brennan Payne)
Collaborative Research: Linking saccadic behavior to cognitive-linguistic processing in goal-directed reading via coupled analysis of eye movements and EEG
\$950,160 (local budget: \$530,402)

2024-2025 PI on REU Supplement to NSF Grant 2341665 (Students: Brandon Snyder, Nadija Sulcaj)
\$65,215

- 2021-2026 PI on NSF Grant 2120507/2120546 (co-PI: Karen Emmorey)
Collaborative Research: The role of perceptual and word identification spans in reading efficiency: Evidence from deaf and hearing adults
 \$962,952 (local budget: \$500,282)
- 2023-2024 PI on Career Life Balance Supplement to NSF Grant 2120507
 (Supported Research Specialist: Casey Stringer)
 \$52,034
- 2022-2024 PI on Postdoctoral Supplement to NSF Grant 2120507 (Postdoc: Frances Cooley)
Investigating the impact of the 'big three' visual, lexical, and contextual characteristics on deaf readers
 \$246,983
- 2022-2023 Faculty Mentor on Psi Chi Mamie Phipps Clark Diversity Research Grant
 (Student: Casey Stringer)
The leftward perceptual span of deaf readers
 \$1,500
- 2022-2023 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Hannah Thomas)
Investigating the impact of lexical characteristics on word recognition and understanding: An event related potential study
 \$1,500
- 2021-2022 PI on Psychonomics Leading Edge Workshop (co-PIs: Trafton Drew, Brennan Payne)
Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG
 \$50,000
- 2021-2022 PI on NSF Conference Grant BCS-2032183 (co-PIs: Trafton Drew, Brennan Payne)
Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG
 \$25,000
- 2021-2022 PI on USF Conference Support Grant
Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG
 \$5,000
- 2021-2022 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Neslihan Caliskan)
The impact of lexical relationships and contextual information on visual word recognition: an event-related potential study
 \$1,500
- 2021-2022 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Victoria Estevez)
Is parafoveal vision sufficient for semantic integration?: Evidence from event-related potentials
 \$1,500
- 2021-2022 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Magdelin Lopez)
Identifying the relationship between visual field and integration processes using event-related potentials
 \$1,500
- 2020-2023 PI on USF Humanities Institute Summer Grant
Investigating if music benefits language processing through prediction
 \$5,000

- 2020-2022 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Dimitri Brunelle)
Identifying overlapping neuro-cognitive mechanisms of music and language through predictive processing using event-related brain potentials
\$3,500
- 2020-2021 PI on USF Strategic Investment Pool Award (co-PIs: Marvin Andujar, Jennifer Bugos, Shaun Canavan, Peter Clayson, Chad Dubé, Geoffrey Potts)
Acquisition of eye tracking and EEG co-registration equipment
\$82,550
- 2020-2021 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Alex Sciuto)
How do the reliability of perceptual input and spelling ability modulate readers' reliance on predictions to facilitate word identification?
\$1,500
- 2019 Scholarship via R25 MH080794 (PI: Steven Luck)
Yearly workshop in the event related potential technique
(covered registration, travel, lodging, & meals)
- 2019-2020 Faculty Mentor on Psi Chi Undergraduate Research Grant (Student: Anna Marie Fennell)
The benefits of musical training on working memory
\$1,500
- 2018-2019 PI on USF Nexus Initiative Award (collaborator: Amy Lieberman)
Investigating enhanced peripheral processing in deaf individuals: Purely perceptual or linguistically driven?
\$9,000
- 2017-2019 PI on NSF Grant 1724550/1724623 (co-PI: Andrew Schotter)
Collaborative research: Attention in games and decisions
\$392,484 (local budget: \$198,817)
- 2018 USF Creating Research Experiences and Activities Through Teaching Enhancement Award
Experimental design and analysis
\$1,500
- 2017 USF Creating Research Experiences and Activities Through Teaching Enhancement Award
Experimental design and analysis
\$2,000
- 2015-2016 co-Investigator on NIH Grant R01 HD065829 (PI: Roger Levy)
Linguistic processes in sentence comprehension and reading
\$174,040
- 2014-2016 Post-doctoral Scholar under Atkinson Family Endowment (PI: Keith Rayner)
\$104,535
- 2013-2014 Post-doctoral Fellowship under NSF Science of Learning Center VL2 cooperative agreement SBE 1041725 (local PI: Keith Rayner)
The development of the perceptual span in beginning deaf readers
- 2011-2013 Pre-doctoral Fellowship from the UCSD Center for Research in Language NIH Training Grant DC000041 (PI: Marta Kutas)
Language, communication, and the brain

- 2011-2012 Student Initiator on UCSD Chancellor's Interdisciplinary Collaboratories Grant
(PIs: Keith Rayner, Roger Levy & Nuno Vasconcelos)
Language and visual saliency jointly guide eye movements in the perception of complex scenes
\$120,000
- 2011 Graduate Student Supervisor on Psi Chi Undergraduate Research Grant
(Student: Randy Tran; Faculty Mentor: Keith Rayner)
How the ability to return to previously read words affects normal reading
\$3,500
- 2009 Graduate Student Supervisor on Chancellor's Research Scholarship
(Student: Raymond Berry; Faculty Mentor: Keith Rayner)
Parafoveal processing of acronyms in reading
\$3,000
- 2009 Visiting Scholar on Experimental Psychology Society Study Visit Grant
(Host: Simon Liversedge)
Binocular coordination of eye movements during reading
£1,200

Honors & Awards

- 2024-2025 James McKeen Cattell Sabbatical Award
- 2022 Faculty Outstanding Research Achievement Award; *University of South Florida*
- 2017 Early Career Award; *American Psychological Association Division 3 (Society for Experimental Psychology and Cognitive Science)*
- 2014 Select-Speaker Award; *Psychonomic Society*
- 2011 Norman Anderson Travel Award; *University of California San Diego Psychology Department*
- 2009 Travel Fund Award; *University of California San Diego Dean of Social Sciences*
- 2007-present Phi Beta Kappa; *Washington University in St. Louis*
- 2007 John A. Stern Outstanding Research Prize in Psychology; *Washington U. in St. Louis*
- 2007 Eugene Tavenner Prize in Classics; *Washington University in St. Louis*

Publications (boldface indicates student co-author)

1. Milligan, S., **Elaboudi, A., Nestor, B.,** & Schotter, E.R. (2025). Individual differences in sub-components of the N400: Sentence constraint effects vary by reading comprehension ability while orthographic expectancy violation effects vary by spelling ability. *Cognitive Affective and Behavioral Neuroscience*. Online first.
2. Schotter, E.R., & Dillon, B. (2025). A beginner's guide to eye tracking for psycholinguistic studies of reading. *Behavior Research Methods*, 57(2):68.
3. Schotter, E.R., Payne, B.R., & Melcher, D. (2025). Characterizing the neural underpinnings of attention in the real world via co-registration of eye movements and EEG/MEG: An introduction to the special issue. *Attention, Perception, and Psychophysics*, 87, 1-4.

4. Cooley, F.G., **Saunders, E., Sinclair, G., Stringer, C.**, Emmorey, K., & Schotter, E.R., (2025). Identifying text-based factors that contribute to the superior reading efficiency of skilled deaf readers: An eye-tracking study of length, frequency, and predictability. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, Online first
5. Milligan, S., **Jaime Brunet, M.**, Caliskan, N., & Schotter, E.R. (2025). Parafoveal N400 effects reveal that word skipping is associated with deeper lexical processing in the presence of context-driven expectations. *Attention, Perception, and Psychophysics*, 87, 76-93.
6. Schotter, E.R., **Stringer, C., Saunders, E.**, Cooley, F.G., **Sinclair, G.**, & Emmorey, K. (2024). The role of perceptual and word identification spans in reading efficiency: Evidence from hearing and deaf readers. *Journal of Experimental Psychology: General*, 153(10), 2359–2377.
7. **Milligan, S.** & Schotter, E.R. (2024). Do readers here what they sea?: Effects of lexicality, predictability, and individual differences on the phonological preview benefit. *Journal of Memory and Language*, 135, 104480
8. **Stringer, C.**, Cooley, F.G., **Saunders, E.**, Emmorey, K., & Schotter, E.R. (2024). An enhanced leftward word identification for deaf readers. *Quarterly Journal of Experimental Psychology*, 77(10), 2098-2110.
9. **Milligan, S., Nestor, B., Antúnez, M.**, & Schotter, E.R. (2023). Out of sight, out of mind: Foveal processing is necessary for semantic integration of words into a sentence context. *Journal of Experimental Psychology: Human Perception and Performance*, 49(5), 687–708.
10. Schotter, E.R., **Milligan, S., & Estevez, V.** (2023). Event-related potentials show that parafoveal vision is insufficient for semantic integration. *Psychophysiology*, 60(7), e14246.
11. **Caliskan, N., Milligan, S.** & Schotter, E.R. (2023). Readers scrutinize orthographic input only in the absence of expectations: Evidence from lexicality effects on event-related potentials. *Brain & Language*. 238, 105232.
12. **Milligan, S., Antúnez, M.**, Barber, H.A., & Schotter, E.R. (2023). Are eye movements and EEG on the same page?: A co-registration study on parafoveal preview of lexical frequency. *Journal of Experimental Psychology: General*, 52(1), 188–210.
13. **Antúnez, M., Milligan, S.**, Hernández-Cabrera, J.A., Barber, H.A., & Schotter, E.R. (2022). Semantic parafoveal processing in natural reading: Insight from fixation-related potentials & eye movements. *Psychophysiology*, 59, e13986.
14. Avoyan, A., **Ribiero, M.**, Schotter, A., Schotter, E.R., & **Vaziri, M., Zou, M.** (2022). Planned vs. actual attention. *Management Science*. available at SSRN 3836157
15. **Lowry, M.**, Dubé, C., & Schotter, E.R. (2021). Evaluating theories of bilingual language control using computational models. *Journal of Memory and Language*, 117, 104195.
16. **Fennell, A.M.**, Bugos, J., Payne, B.R., & Schotter, E.R., (2021). Music is similar to language in terms of working memory interference. *Psychonomic Bulletin & Review*, 28, 512-525.
17. Schotter, E.R., **Johnson, E.**, & Lieberman, A. (2020). The sign superiority effect: Lexical status facilitates peripheral handshape identification for deaf signers. *Journal of Experimental Psychology: Human Perception and Performance*. 46, 1397–1410

18. Reichle, E.D., & Schotter, E.R. (2020). A computational analysis of the constraints on parallel word identification. In S. Denison., M. Mack, Y. Xu, & B.C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 164-170). Cognitive Science Society.
19. Schotter, E.R., & **Fennell, A.M.**, (2019). Readers can identify the meanings of words without looking at them: Evidence from regressive eye movements. *Psychonomic Bulletin & Review*, 26, 1697–1704.
20. Schotter, E.R., Li, C., & Gollan, T.H. (2019). What reading aloud reveals about speaking: Regressive saccades implicate a failure to monitor, not inattention, in the prevalence of intrusion errors on function words. *Quarterly Journal of Experimental Psychology*, 72, 2032–2045.
21. Schotter, E.R. & Payne, B.R. (2019). Eye movements and comprehension are important to reading. *Trends in Cognitive Sciences*, 23, 811-812.
22. Schotter, E.R., von der Malsburg, T., & Leininger, M. (2019). Forced fixations, trans-saccadic integration, and word recognition: Evidence for a hybrid mechanism of saccade triggering in reading. *Journal of Experimental Psychology: Learning Memory & Cognition*, 45, 677-688.
23. Schotter, E.R., (2018). Reading ahead by hedging our bets on seeing the future: Eye tracking and electrophysiology evidence for parafoveal lexical processing and saccadic control by partial word recognition. *Psychology of Learning and Motivation*, 68, 263-298.
24. Schotter, E.R., Leininger, M., & von der Malsburg, T. (2018). When your mind skips what your eyes fixate: How forced fixations lead to comprehension illusions in reading. *Psychonomic Bulletin & Review*, 25, 1884-1890.
25. Bélanger, N.N. **Lee, M.** & Schotter, E.R. (2018). Young skilled deaf readers have an enhanced perceptual span in reading. *Quarterly Journal of Experimental Psychology*, 71, 291-301.
26. Schotter, E.R., Pollatsek, A., & Rayner, K. (2017). Reading. In *Reference Module in Neuroscience and Behavioral Psychology*, Elsevier
27. Schotter, E.R., & **Jia, A.** (2016). Semantic and plausibility preview benefit effects in English: Evidence from eye movements. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 42, 1839-1866.
28. Schotter, E.R., & Leininger, M. (2016). Reversed preview benefit effects: Forced fixations emphasize the importance of parafoveal vision for efficient reading. *Journal of Experimental Psychology: Human Perception and Performance*, 42, 2039-2067.
29. Clifton, C., Ferreira, F., Henderson, J., Inhoff, A.W., Liversedge, S., Reichle, E.D., & Schotter, E.R. (2016). Eye movements in reading and information processing: Keith Rayner's 40 year legacy. *Journal of Memory and Language*, 86, 1-19.
30. Leininger, M., Schotter, E.R., & Rayner, K. (2016). Models of the reading process. In H.L. Miller (Ed.), *The SAGE Encyclopedia of Theory in Psychology*. (pp. 785-789). Los Angeles: SAGE Publications, inc.
31. Rayner, K., Schotter, E.R.*, Masson, M., Potter, M.C., & Treiman, R. (2016). So much to read, so little time: How do we read, and can speed reading help? *Psychological Science in the Public Interest*, 17, 4-34. ***Corresponding Author**
32. Schotter, E.R., **Lee, M.**, **Reiderman, M.**, & Rayner, K. (2015). The effect of contextual constraint on parafoveal processing in reading. *Journal of Memory and Language*, 83, 118-139.

33. Schotter, E.R., & Rayner, K. (2015). The work of the eyes during reading. In A. Pollatsek & R. Treiman (Eds.), *Oxford Handbook of Reading* (pp. 44-62). Oxford: Oxford University Press.
34. Angele, B., Schotter, E.R., Slattery, T.J., **Tenenbaum, T.L.**, Bicknell, K., & Rayner, K. (2015). Do successor effects in reading reflect lexical parafoveal processing? Evidence from corpus-based and experimental eye movement data. *Journal of Memory & Language*, 79-80, 76-96.
35. Schotter, E.R., Bicknell, K., **Howard, I.**, Levy, R., & Rayner, K. (2014). Task effects reveal cognitive flexibility responding to frequency and predictability: Evidence from eye movements in reading and proofreading. *Cognition*, 131, 1-27.
36. Schotter, E.R., **Jia, A.**, Ferreira, V.S., Rayner, K. (2014). Preview benefit in speaking occurs regardless of preview timing or awareness. *Psychonomic Bulletin & Review*, 21, 755-762.
37. Schotter, E.R. Reichle, E.D., & Rayner, K. (2014). Rethinking parafoveal processing in reading: Serial attention models can account for semantic preview benefit and n+2 preview effects. *Visual Cognition*, 22, 309-333.
38. Schotter, E.R., **Tran, R.**, & Rayner, K. (2014). Don't believe what you read (only once): Comprehension is supported by regressions during reading. *Psychological Science*, 25, 1218-1226.
39. Gollan, T.H., Schotter, E.R., **Gomez, J.**, **Murillo, M.**, & Rayner, K. (2014). Multiple levels of bilingual control: Evidence from language intrusions in reading aloud. *Psychological Science*, 25, 585-595.
40. Rayner, K., & Schotter, E.R. (2014). Semantic preview benefit in reading English: The effect of initial letter capitalization. *Journal of Experimental Psychology: Human Perception & Performance*, 40, 1617-1628.
41. Rayner, K., Schotter, E.R., & Drieghe, D. (2014). Lack of semantic parafoveal preview benefit in reading revisited. *Psychonomic Bulletin & Review*, 21, 1067-1072.
42. Schotter, E.R. (2013). Synonyms provide semantic preview benefit in English. *Journal of Memory and Language*, 69, 619-633.
43. Schotter, E.R., Ferreira, V.S. & Rayner, K. (2013). Parallel object activation and attentional gating of information: Evidence from eye movements in the multiple object naming paradigm. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 39, 365-374.
44. Schotter, E.R., & Rayner, K. (2013). Eye movements in reading. In E. Perego (Ed.), *Eye Tracking in Audiovisual Translation* (pp. 83-104). Rome: Aracne.
45. Ferreira, V.S. & Schotter, E.R. (2013). Do verb bias effects on sentence production reflect sensitivity to comprehension or production factors? *Quarterly Journal of Experimental Psychology*, 66, 1548-1571.
46. Rayner, K., Angele, B, Schotter, E.R., & Bicknell, K. (2013). On the processing of canonical word order during eye fixations in reading: Do readers process transposed word previews? *Visual Cognition*, 21, 353-381.
47. Rayner, K. & Schotter, E.R. (2013). Eye movements during reading. In H. Pashler (Ed.), *Encyclopedia of the Mind*. (pp. 338-340). Los Angeles: SAGE Publications, inc.
48. Wang, H.-C., Schotter, E.R., Angele, B., Yang, J., Simovici, D., Pomplun, M., & Rayner, K. (2013). Using singular value decomposition to investigate the configuration of Chinese characters: Evidence from eye movements during reading. *Journal of Research in Reading*, 36, S35-S50.

49. Schotter, E.R, Angele, B., & Rayner, K. (2012). Parafoveal processing in reading. *Attention, Perception & Psychophysics*, 74, 5-35.
50. Schotter, E.R., Blythe, H.I., Kirkby, J.A., Rayner, K., Holliman, N.S. & Liversedge, S.P. (2012). Binocular coordination: Reading stereoscopic sentences in depth. *PLoS ONE*, 7.
51. Schotter, E.R., **Gerety, C.** & Rayner, K. (2012). Heuristics and criterion setting during selective encoding in visual decision-making: Evidence from eye movements. *Visual Cognition*, 20, 1110-1129.
52. Schotter, E.R., & Rayner, K. (2012). Eye movements and word recognition during reading. In J. Adelman (Ed.), *Visual Word Recognition Volume 2: Meaning and Context, Individuals and Development* (pp. 73-101). New York: Psychology Press.
53. Rayner, K., Pollatsek, A. & Schotter, E.R. (2012). Reading: Word identification and eye movements. In A. Healy (Ed.) *Handbook of Psychology, Volume 4: Experimental Psychology* (pp. 548-577). Hoboken: Wiley.
54. Schotter, E.R. (2011). Eye Movements as an index of linguistic processing in language production. *Studies of Psychology and Behavior*, 9, 16-23.
55. Slattery, T., Schotter, E.R, **Berry, R.** & Rayner, K. (2011). Parafoveal and foveal processing of abbreviations during reading: Making a case for case. *Journal of Experimental Psychology: Learning Memory and Cognition*, 37, 1022-1031.
56. Schotter, E.R., **Berry, R.**, McKenzie, C., & Rayner, K. (2010). Gaze bias: Selective encoding and liking effects. *Visual Cognition*, 18, 1113-1132.

Manuscripts Under Review or In Preparation (boldface indicates student co-author)

- Sinclair, G.**, Cooley, F.G., **Stringer, C.**, **Saunders, E.**, Emmorey, K., & Schotter, E.R., (revision in prep). The impact of a wider reading span on landing positions and fixation durations: A comparison of deaf and hearing readers. *Journal of Experimental Psychology: Human Perception and Performance*
- Nestor, B.**, **Elaboudi, A.** Milligan, S., & Schotter, E.R. (under review). Parafoveally perceived orthographic cues facilitate foveal semantic processing: Evidence from event-related potentials. *Brain and Language*
- Cooley, F.G., Emmorey, K., **Saunders, E.**, **Stringer, C.**, **Sinclair, G.**, & Schotter, E.R. (in prep). Presenting the EyeSign Corpus: A corpus of eye-movements from early deaf signers who are skilled readers of English
- Davis, A.**, & Schotter, E.R. (in prep). The impact of parafoveal processing on the eye-voice lag during oral reading: An eye tracking study
- Emmorey, K., **Akers, E.**, Saunders, E., Cooley, F.G., **Stringer, C.**, **Sinclair, G.**, & Schotter, E.R. (in prep). Assessing the effects of sign language experience versus deafness on the leftward reading span
- Milligan, S. & Schotter, E.R. (in prep). To skip or not the skip: FRPs reveal that word skipping is associated with more extensive parafoveal processing of content words but not high frequency articles.
- Saunders, E.**, Schotter, E.R., & Emmorey, K. (in prep). Morphological processing in the parafovea during sentence reading for deaf and hearing readers.

Schotter, E.R., Milligan, S., **Stringer, C.**, Cooley, F.G., **Saunders, E.**, **Sinclair, G.**, & Emmorey, K. (in prep). Individual differences in the perceptual and word identification spans of deaf and hearing readers.

Invited Talks and Symposia

- Schotter, E.R. & Milligan, S. (submitted). Not all parafoveally elicited ERP effects imply parallel lexico-semantic processing. *Symposium: Neuronal mechanisms supporting parafoveal processing in reading* at the *Annual Meeting of the Society for the Neurobiology of Language, Washington D.C.*
- Schotter (2025). The coordination of eye movement control and language processing to support efficient reading. *Eye Movements Gordon Research Conference, Mount Holyoke College, MA*
- Schotter, E.R. (2025). Behavior-contingent analysis of fixation-related brain potentials in co-registration research: Past findings and new tools. *Center for Research in Language, UC San Diego*
- Schotter, E.R. (2025). Skilled deaf readers exhibit efficient reading behavior: Does that mean they are speed reading? *German Society for Speed Reading, Munich, Germany* (virtual)
- Schotter, E.R. (2024). The unique behavioral profile of high reading efficiency: Evidence from deaf skilled readers. *Center for Research in Language, UC San Diego*
- Schotter, E.R. (2024). Investigating the neural processes underlying naturalistic reading via behavior-contingent analysis of fixation-related brain potentials. *Laboratory for Language and Cognitive Neuroscience and the NeuroCognition Lab, San Diego State University*
- Schotter, E.R. (2023). Co-registration of eye tracking and EEG for language researchers. *Language Science Winter Session Workshop, University of Connecticut* (virtual)
- Schotter, E.R. (2022). Seeing what it means: What we know about how readers use active vision to derive meaning from text. *Center for Research in Language, UC San Diego* (virtual)
- Schotter, E.R. & Payne, B. (2022). Co-registration of eye movements and EEG (Leading Edge Workshop). Symposium at the *Annual Meeting of the Psychonomic Society, Boston, MA* (symposium chair)
- Schotter, E.R. (2022). How co-registration can inform models and architectures of the reading process. *Leading Edge Workshop: Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG, Tampa, FL*
- Schotter, E.R. (2021). Word recognition across the visual field during reading: evidence from eye tracking, ERPs, and FRPs. *University of Utah Psychology Dept. CNS Brownbag* (virtual)
- Lieberman, A.M., & Schotter, E.R. (2021). Understanding the sources of enhanced reading spans in deaf signers. *Symposium: Reading and visual recognition skills in deaf and hard-of-hearing signers* at the *Annual Conference of the Society for the Scientific Study of Reading* (virtual)
- Schotter, E.R. (2020). Word recognition across the visual field: the roles of attention, sentence context, and lexical quality. *Institute for Cognitive Science, University of Colorado, Boulder* (virtual)
- Schotter, E.R., Johnson, E., & Lieberman, A.M. (2020). The Role of Lexical Access in Peripheral Perception: Evidence from Sign Superiority Effects in Deaf Signers. *Symposium: Understanding the role of sign language in reading* at the *Annual Conference of the Society for the Scientific Study of Reading, Newport, CA* (conference cancelled)

- Schotter, E.R. (2020). Music and Language may Share Neuro-cognitive Resources: Working Memory and Predictive Processing. *USF Music Research Seminar* (virtual)
- Schotter, E.R. & Payne, B. (2019). Word processing across space and time during reading: Insights from eye tracking, electrophysiology, and computational modeling. *Symposium at the European Conference on Eye Movements, Alicante, Spain.* (symposium chair)
- Reichle, E.D. & Schotter, E.R. (2019). Using simulations to understand parafoveal preview and the nature of lexical processing during reading. *European Conference on Eye Movements, Alicante, Spain.*
- Schotter, E.R. (2019). Regressive eye movements: A window on comprehension, bilingual language control, and semantic access during reading. *Language and Brain Interest Group, University of Florida, Gainesville, FL*
- Schotter, E.R. (2018). Reading Ahead by Hedging our bets on Seeing the Future. *Macquarie Centre for Reading, Macquarie University, Sydney, Australia*
- Schotter, E.R. (2017). Parafoveal and Foveal Information in Reading: Saccade Programming vs. Comprehension. *Visual Cognition Group, Bournemouth University, Bournemouth, UK.*
- Schotter, E.R. (2017). Linguistic and Mechanistic Pressures on the Reading System: Eye Movement Data and Theory. *Florida Center for Reading Research, Tallahassee, Florida.*
- Schotter, E.R., Li, C., & Gollan, T.H. (2016). Eye Movements Reveal Monitoring of Uncorrected Intrusion Errors in Reading Aloud: Evidence from Chinese-English Bilinguals. *China International Conference on Eye Movements, Changchun, China.*
- Schotter, E.R. (2015). Semantic preview benefit in reading. *Symposium in Memory of Keith Rayner at the European Conference on Eye Movements, Vienna, Austria.*
- Schotter, E.R. (2015). Eye tracking methods for the behavioral scientist. *Center for Experimental Social Science: Experimental Economics Seminar, New York University, New York, NY.*
- Schotter, E.R. (2015). Word processing across the visual field. *Rank Prize Funds Symposium on Visual Aspects of Reading, Grasmere, UK.*
- Schotter, E.R. (2014). Reconceptualizing preview benefit effects in reading. *China International Conference on Eye Movements, Beijing, China.*
- Schotter, E.R. (2014). Speed reading? You've gotta be Spritzin' me. *Center for Research in Language and Psychology Cognitive Brownbag, UC San Diego, San Diego, CA*
- Schotter, E.R. (2013). Semantic preview benefit in reading: Type of semantic relationship matters. *Center for Research in Language, UC San Diego, San Diego, CA*
- Schotter, E.R. (2012). How your brain is better than spell check: Cognitive processing in reading and proofreading. *Graduate Talk Series, Psychology Department, UC San Diego, San Diego, CA*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2010). Parallel processing and information flow in multiple object naming. *China International Conference on Eye Movements, Tianjin, China.*
- Schotter, E.R. (2009). Parallel extrafoveal processing and multiple object naming. *Behavioural Brain Sciences Group, University of Birmingham, UK.*

Spoken Presentations (boldface indicates student collaborator)

- Milligan, S., & Schotter, E.R. (2025). Linguistic and oculomotor causes and consequences of word skipping: Insights from parafoveal N400 fixation-related potentials. *Conference on Human Sentence Processing, College Park, MD*
- Saunders, E.**, Schotter, E., & Emmorey, K. (2024). Parafoveal preprocessing of morphological structure for deaf and hearing readers. *Annual Meeting of the Psychonomic Society, New York, NY.*
- Schotter, E.R., **Stringer, C.**, **Saunders, E.**, Cooley, F.G., **Sinclair, G.**, & Emmorey, K. (2024). Where and when saccade decisions do not dissociate with perceptual and word identification spans: Evidence from the eye movements of deaf and hearing readers. *Annual Meeting of the Psychonomic Society, New York, NY*
- Cooley, F.G., **Saunders, E.**, **Sinclair, G.**, **Stringer, C.**, Emmorey, K., & Schotter, E.R., (2024). A corpus study of length, frequency, and surprisal effects in deaf and hearing readers. *European Conference on Eye Movements, Maynooth, Ireland*
- Emmorey, K., **Stringer, C.**, **Saunders, E.**, **Sinclair, G.**, Cooley, F., & Schotter, E.R. (2024). The unique eye movement profile of deaf readers reveals the plasticity of the reading system. *European Conference on Eye Movements, Maynooth, Ireland*
- Saunders, E.**, Schotter, E.R., & Emmorey, K. (2024). Parafoveal processing of morphological structure for deaf and hearing readers. *European Conference on Eye Movements, Maynooth, Ireland*
- Schotter, E.R., **Stringer, C.**, **Saunders, E.**, Cooley, F.G., **Sinclair, G.**, & Emmorey, K. (2024). Perceptual and word identification spans do not differentially impact when and where saccade decisions. *European Conference on Eye Movements, Maynooth, Ireland*
- Cooley, F.G. **Saunders, E.**, **Stringer, C.**, **Sinclair, G.**, Emmorey, K., & Schotter, E.R. (2023). Rethinking deafness, reading, and bilingualism: Evidence from eye-tracking. *Annual Meeting of the Psychonomic Society, San Francisco, CA.*
- Cooley, F.G., & Schotter, E.R. (2023). Reading efficiency and the unique experiences of deaf signers: Evidence from eye-tracking. *Florida Psycholinguistic Meeting, Gainesville, FL.*
- Cooley, F.G. & Schotter, E.R. (2023). What do the eye-movements of skilled Deaf readers reveal about bilingual readers? *Conference on Human Sentence Processing, Pittsburgh, PA*
- Cooley, F.G. & Schotter, E.R. (2022). Skilled, efficient reading in deaf child signers: A small-scale eye-tracking study. *European Conference on Eye Movements, Leicester, UK*
- Schotter, E.R., **Milligan, S.**, **Antúnez, M.**, & Barber, H.A. (2022). Distinct patterns in eye movements and fixation-related potentials put constraints on models of eye movements in reading. *European Conference on Eye Movements, Leicester, UK*
- Milligan, S.**, **Sciuto, A.**, **Antúnez, M.**, & Schotter, E.R. (2020). Differences in lexical retrieval and reintegration processes between foveal and parafoveal processing during reading: Evidence from event related potentials. *Architectures and Mechanisms for Language Processing (virtual)*
- Milligan, S.**, **Sciuto, A.**, **Antúnez, M.**, & Schotter, E.R. (2020). Event-related potentials reveal differences between foveal and parafoveal integration of visual and contextual information during sentence processing. *Annual Meeting of the Cognitive Sciences Society (virtual)*
- Reichle, E.D., & Schotter, E.R. (2020). A Computational analysis of the constraints on parallel word identification. *Annual Meeting of the Cognitive Sciences Society (virtual)*

- Fennell, A.M.** & Schotter, E.R. (2020). Is musical training associated with increased syntactic working memory? *Expression, Language, and Music, Hartford, CT.* (conference cancelled)
- Schotter, E.R., **Johnson, E.**, & Lieberman, A. (2019). The role of lexical access in peripheral perception: Evidence from sign superiority effects in deaf signers. *Annual Meeting of the Psychonomic Society, Montreal, Canada.*
- Schotter, E.R., & **Fennell, A.M.** (2019). Readers can identify the meanings of words before looking at them: Evidence from eye movements and re-reading. *European Conference on Eye Movements, Alicante, Spain*
- Schotter, E.R., (2018). Oral reading as a tool to study parafoveal influences on saccade planning and word recognition. *Annual Meeting of the Psychonomic Society, New Orleans, LA.*
- Schotter, E.R., (2017). The Relationship Between Language Skills and Parafoveal Sensitivity to Word Frequency. *Annual Meeting of the Psychonomic Society, Vancouver, Canada.*
- Schotter, E.R., Leininger, M., & von der Malsburg, T. (2017). The impact of forced fixations on word recognition: Dissociation of oculomotor behavior and linguistic processing. *European Conference on Eye Movements, Wuppertal, Germany.*
- Schotter, E.R., Leininger, M., & von der Malsburg, T. (2017). Parafoveal and foveal information serve different purposes in reading: Parafoveal is used for saccade programming, foveal for comprehension. *CUNY Conference on Human Sentence Processing, Cambridge, MA.*
- Schotter, E.R., & Leininger, M. (2016). Dissociating influences of parafoveal and foveal information on reading: Forced fixations and comprehension. *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Schotter, E.R., & Leininger, M. (2015). The curious case of the reverse preview benefit effect in reading. *Annual Meeting of the Psychonomic Society, Chicago, IL.*
- Schotter, E.R., (2014). Toward a new theory of reading: Independent and joint effects of context, parafoveal preview, and foveal information. *Annual Meeting of the Psychonomic Society, Long Beach, CA.*
- Schotter, E.R. (2013). Synonyms provide semantic preview benefit in English: Data and a theoretical framework. *European Conference on Eye Movements, Lund, Sweden.*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2010). Only to-be-named objects are semantically processed during multiple object naming. *Annual Meeting of the Psychonomic Society, St. Louis, MO*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2009). Parallel processing in an object naming task: tests of timing, location specificity and task relevance. *European Conference on Eye Movements, Southampton, UK.*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2009). Timing of extrafoveal processing in multiple object naming: A test of serial and parallel processing. *Meeting of the Experimental Psychology Society, York, UK.*
- Schotter, E.R. (2008). Extrafoveal processing of multiple objects in an array: Evidence for parallel processing. *Little American Psychology Society Meeting, Psychology Department, UC San Diego*
- Schotter, E.R. (2007). Going from *dip* to *dipped* and *ding* to *dinged*, the influence of phonological neighbors. *Psychology Department PSYposium, Washington University in St. Louis*

Poster Presentations (boldface indicates student collaborator)

Milligan, S., & Schotter, E.R. (2025). Parafoveal N400 fixation-related potential effects vary as function of eye movement behavior (i.e., word skipping) during natural sentence reading. *Annual Meeting of the Cognitive Neuroscience Society, Boston, MA*

Schwarz, S. & Schotter, E.R. (2025). The impact of error expectancy on eye movement behaviors for error free sentences. *Florida Psycholinguistic Meeting, Tallahassee, FL.*

Spear, A. & Schotter, E.R. (2025). The Neighborhood Watch: The Influence of Orthographic Neighborhood Size on the Foveal Load Hypothesis in Sentence Reading. *Florida Psycholinguistic Meeting, Tallahassee, FL.*

Trendova, S., Jaime Brunet, M., Milligan, S., & Schotter, E.R. (2025). The influence of subtle orthographic errors on reading behavior and lexical processing. *Florida Psycholinguistic Meeting, Tallahassee, FL.*

Cooley, F. G., **Saunders, E., Sinclair, G.,** Emmorey, K., & Schotter, E. R. (2024). Length, frequency, and surprisal effects and reading efficiency: Evidence from a corpus analysis of deaf and hearing readers' eye-movements. *Annual Meeting of the Psychonomic Society, New York, NY*

Davis, A. & Schotter, E. (2024). Word Hurdles: The Impact of Unfamiliar Vocabulary on Eye-Voice Coordination & Speech Fluency During Oral Reading. *Annual Meeting of the Psychonomic Society, New York, NY.*

Milligan, S., **Jaime Brunet, M., Caliskan, N.,** & Schotter, E. R. (2024). Fixation-Related Brain Potentials Reveal that Word Skipping during Reading Reflects Deeper Parafoveal Word Identification. *Annual Meeting of the Psychonomic Society, New York, NY*

Schwarz, S., & Schotter, E.R. (2024). The Impact of Error Expectancy on Eye Movement Behaviors for Error Free Sentences. *Annual Meeting of the Psychonomic Society, New York, NY.*

Sinclair, G., Cooley, F.G., **Saunders, E.,** Emmorey, K., & Schotter, E.R. (2024). The effect of a larger reading span on landing position in deaf readers: An eye-tracking study. *Annual Meeting of the Psychonomic Society, New York, NY.*

Spear, A. & Schotter, E.R. (2024). The Neighborhood Watch: The Influence of Orthographic Neighborhood Size on the Foveal Load Hypothesis in Sentence Reading. *Annual Meeting of the Psychonomic Society, New York, NY.*

Saunders, E., Stringer, C., Sinclair, G., Cooley, F., Schotter, E., & Emmorey, K. (2023). Predictors of word and sign superiority effects for deaf readers. *Annual Meeting of the Psychonomic Society, San Francisco, CA.*

Stringer, C. Cooley, F.C, **Saunders, E., Sinclair, G.,** Emmorey, K., & Schotter, E.R. (2023). Deaf Readers Use Leftward Information to Read More Efficiently: Evidence from Eye Tracking. *Annual Meeting of the Psychonomic Society, San Francisco, CA.*

Elaboudi, A., Milligan, S., & Schotter, E.R. (2023). The relation between sentence constraint and expectancy to diverse spelling ability and reading comprehension: Evidence from the N400 ERP Component. *Florida Psycholinguistic Meeting, Gainesville, FL.*

Sinclair, G., Cooley, F.G., **Stringer, C., Saunders, E.,** Emmorey, K., & Schotter, E.R. (2023). Do deaf readers' larger reading spans impact the ability to target the optimal landing position for word recognition during reading? *Florida Psycholinguistic Meeting, Gainesville, FL.*

- Cooley, F & Schotter, E.R. (2023). Deafness, bilingualism, and The Big 3: How do length, frequency, and predictability support efficient reading in deaf native signers? *Architectures and Mechanisms for Language Processing, San Sebastian, Spain.*
- Schmidt Avendaño, J.,** Bugos, J., Payne, B.R., & Schotter, E.R. (2023). Music and Linguistic Semantic Anomalies: An ERP Study of Integration & Expectancy on Predictive Processing of Harmonic Music During A Self-Paced Reading Task. *International Conference on Music Perception and Cognition, Tokyo, Japan.*
- Caliskan, N., Milligan, S.,** & Schotter, E.R. (2022). The time course of ERPs reveal that neighbor status and lexicality of perceptual items impact different stages of sentence comprehension. *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Cooley, F & Schotter, E.R. (2022). Length, frequency, and predictability: Examining the impact of the Big 3 on skilled deaf readers. *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Milligan, S., Estevez, V.,** & Schotter, E.R. (2022). Parafoveal processing provides a head start on word recognition, but integration requires foveation. *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Nestor, B., Milligan, S., Elaboudi, A.** & Schotter, E.R. (2022). Investigating the relationship between language skill and semantic vs. orthographic processing: Evidence from the N400 ERP component. *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Stringer, C.,** & Schotter, E.R. (2022). The leftward word identification span of deaf readers. *USF Psych Expo, Tampa, FL.*
- Thomas, H.,** & Schotter, E.R. (2022). Differentiating word frequency and word diversity effects in sentence reading: An event related potential study. *USF Psych Expo, Tampa, FL.*
- Caliskan, N., Milligan, S., Brunet, M.J.,** & Schotter, E.R. (2022). Interactive effects of semantic diversity and word frequency in natural reading. *European Conference on Eye Movements, Leicester, UK*
- Schmidt Avendaño, J.,** Bugos, J., Payne, B.R., & Schotter, E.R. (2022). Music and Linguistic Semantic Anomalies: An ERP Study on Predictive Processing of Harmonic Music. *Society for Music Perception and Cognition Conference, Portland, OR.*
- Caliskan, N., Milligan, S.,** & Schotter, E.R. (2022). The effect of orthographic relationships, lexical status, and contextual constraint on visual word recognition: Evidence from event-related potentials. *Annual Meeting of the Cognitive Sciences Society, Toronto, CA.* (hybrid)
- Caliskan, N., Milligan, S.,** & Schotter, E.R. (2022). A Hybrid Approach for identifying timelocking fixations in co-registration studies. *Leading Edge Workshop on Co-registration, Tampa, FL.*
- Milligan, S.,** & Schotter, E.R. (2022). Does it Matter Which Fixation the Potential Is Related to? *Leading Edge Workshop on Co-registration, Tampa, FL.*
- Thomas, H.,** & Schotter, E.R. (2022). Differentiating word frequency and word diversity effects in sentence reading: An event related potential study. *USF Undergraduate Research Conference, Tampa FL.*
- Caliskan, N., Milligan, S.,** & Schotter, E.R. (2022). The Impact of Orthographic Similarity and Sentence Constraint on Visual Word Recognition: an Event-Related Potential Study. *Annual Conference on Human Sentence Processing, Santa Cruz, C.A.* (virtual)

- Elaboudi, A., Thomas, H.M., Rodriguez, S.S., Milligan, S., & Schotter, E.R.** (2021). Investigating the Impact of Lexical Quality in Word Processing using Sentence Context with Various Spelling Abilities: Evidence from the N400 ERP Component. *USF Psychology Expo* (virtual)
- Milligan, S., Antúnez, M., Barber, H.A., & Schotter, E.R.** (2021). Eye movements and FRPs reveal distinct effects of lexical frequency on parafoveal processing. *Annual Meeting of the Psychonomic Society, New Orleans, LA.* (virtual)
- Caliskan, N., Milligan, S., & Schotter, E.R.** (2021). The impact of lexical relationships and contextual information on visual word recognition: An event-related potential study. *USF Psych Expo, Tampa, FL* (virtual)
- Estevez, V., Milligan, S., & Schotter, E.R.** (2021). Is parafoveal vision sufficient for semantic integration?: Evidence from event-related potentials. *USF Psych Expo, Tampa, FL* (virtual)
- Lowry, M., Dubé, C., & Schotter, E.R.** (2020). Evaluating theories of bilingual language control using computational models. *Annual Meeting of the Psychonomic Society* (virtual)
- Milligan, S. & Schotter, E.R.** (2020). Phonological parafoveal preview benefit depends on phonological decoding efficiency and contextual support. *Annual Meeting of the Psychonomic Society* (virtual)
- Brunelle, D., & Schotter, E.R.** (2020). A melodic plausibility and cloze norming model. *Florida Psycholinguistics Meeting* (virtual)
- Caliskan, N., Milligan, S., & Schotter, E.R.** (2020). A proposed investigation for the nature of the N400: Lexical access or pre-lexical access? *Florida Psycholinguistics Meeting* (virtual)
- Hodges, M., Hansen, J., Milligan, S., & Schotter, E.R.** (2020). Stress and rhythm patterns as elements of contextual predictions in silent reading. *Florida Psycholinguistics Meeting* (virtual)
- Caliskan, N., Milligan, S., & Schotter, E.R.** (2020). A proposed investigation for the nature of the N400: Lexical access or pre-lexical access? *USF Psychology Expo* (virtual)
- Hodges, M., Hansen, J., Milligan, S., & Schotter, E.R.** (2020). Stress and rhythm patterns as elements of contextual predictions in silent reading. *USF Psychology Expo* (virtual)
- Sciuto, A., Milligan, S., & Schotter, E.R.** (2020). Visual Quality and Lexical Quality Reduce Readers' Reliance on Sentence Context for Word Recognition. *Annual Meeting of the Cognitive Sciences Society* (virtual)
- Fennell, A.M., Bugos, J.A., Payne, B.R., & Schotter, E.R.** (2020). Is musical training associated with increased syntactic working memory? *Neuroscience and Music VII: Connecting with Music Across the Lifespan, Arhaus, Denmark.* (conference cancelled)
- Fennell, A.M., Bugos, J. & Schotter, E.R.** (2020). Musicians experience less working memory interference than non-musicians by utilizing syntactic structure. *USF Undergraduate Research Conference, Tampa, FL* (virtual)
- Milligan, S. & Schotter, E.R.** (2020). Sentence context and spelling ability influence parafoveal processing of phonology in reading. *CUNY Conference on Human Sentence Processing* (virtual)
- Sciuto, A., Milligan, S. & Schotter, E.R.** (2020). Visual clarity and spelling ability affect the use of sentence context for word recognition. *CUNY Conference on Human Sentence Processing* (virtual)

- Caliskan, N., Milligan, S., & Schotter, E.R.** (2020). The Effects of Phonological Neighborhood Size as a Function of Word Frequency During Silent Reading: Evidence from Eye Tracking. *USF Undergraduate Research Conference, Tampa, FL* (virtual)
- Degaetano, C., & Schotter, E.R.** (2020). Word Superiority Effect: Visual Perceptions and Attentional Span and How They Impact Letter Identification. *USF Undergraduate Research Conference, Tampa, FL* (virtual)
- Sciuto, A. & Schotter, E.R.** (2020). To what extent does the quality of visual information modulate reliance on top-down versus bottom-up processing in reading? *USF Undergraduate Research Conference, Tampa, FL* (virtual)
- Milligan, S., Schotter, A. & Schotter, E.R.** (2019). Situational factors and individual traits influence the allocation of attention during risky decision making: Evidence from eye tracking. *Annual Meeting of the Psychonomic Society, Montreal, Canada.*
- Brunelle, D., & Schotter, E.R.** (2019). Comparing Silent vs. Oral Reading: Duration and Accuracy Using Parafoveal Vision. *Florida Psycholinguistics Meeting, Miami, FL*
- Degaetano, C., & Schotter, E.R.** (2019). Word superiority effect: visual perceptions and language abilities and how they affect letter identification. *Florida Psycholinguistics Meeting, Miami, FL*
- Sciuto, A. & Schotter, E.R.** (2019). To what extent does the quality of visual information modulate reliance on top-down versus bottom-up processing in reading? *Florida Psycholinguistics Meeting, Miami, FL*
- Brunelle, D., & Schotter, E.R.** (2019). Comparing Silent vs. Oral Reading: Duration and Accuracy Using Parafoveal Vision. *USF Psychology Expo, Tampa, FL*
- Fennell, A.M., Bugos, J. & Schotter, E.R.** (2019). Musicians experience less working memory interference than non-musicians by utilizing syntactic structure. *USF Psych Expo, Tampa, FL*
- Sciuto, A. & Schotter, E.R.** (2019). To what extent does the quality of visual information modulate reliance on top-down versus bottom-up processing in reading? *USF Psych Expo, Tampa, FL*
- Milligan, S. & Schotter, E.R.** (2019). Individual difference in gaze patterns during risky financial decision-making. *European Conference on Eye Movements, Alicante, Spain.*
- Newland, J. & Schotter, E.R.** (2019). Semantic priming: Individual differences in automaticity. *USF Undergraduate Research Conference, Tampa, FL*
- Johnson, E., Schotter, E.R., & Lieberman, A.** (2019). Enhanced peripheral lexical processing in deaf individuals: perceptual or linguistically driven? *CUNY Conference on Human Sentence Processing, Boulder, CO.*
- Milligan, S. & Schotter, E.R.** (2019). Frequency, predictability & lexical quality effects: individual differences in reading & proofreading. *CUNY Conference on Human Sentence Processing, Boulder, CO.*
- Johnson, E., Schotter, E.R., & Lieberman, A.** (2018). Investigating the sources of Deaf Signers' Enhanced Peripheral Attention: ASL Experience and Deafness. *Annual Meeting of the Psychonomic Society, New Orleans, LA.*
- Johnson, E., Schotter, E.R., & Lieberman, A.** (2018). Peripheral Attention and American Sign Language. *Workshop on Reading, Language, and Deafness, San-Sebastian, Spain*
- Fennell, A.M., Grossman, Z., & Schotter, E.R.** (2018). Using Implausible Previews to Study Parafoveal Processing. *USF Psychology Expo, Tampa, FL*

- Sciuto, A.*, Johnson, E., & Schotter, E.R.** (2018). Individual Differences in the Use of Parafoveal Information to Increase Reading Speed. *USF Psychology Expo, Tampa, FL*
* USF Psych Expo Best Poster Award
- Fennell, A.M., Grossman, Z., & Schotter, E.R.** (2018). Using Implausible Previews to Study Parafoveal Processing. *Florida Psycholinguistics Meeting, Tampa, FL*
- Ferrusi, D., Kirshner, J., Wishart, A. & Schotter, E.R.** (2018). How Individual Differences in Language Ability Influence Reading Efficiency. *Florida Psycholinguistics Meeting, Tampa, FL*
- Newland, J., & Schotter, E.R.** (2018). Assessing Parafoveal Preview Effects Through Eye Movements and Oral Reading. *Florida Psycholinguistics Meeting, Tampa, FL*
- Sciuto, A.*, Johnson, E., & Schotter, E.R.** (2018). Individual Differences in the Use of Parafoveal Information to Increase Reading Speed. *Florida Psycholinguistics Meeting, Tampa, FL*
- Ferrusi, D. & Schotter, E.R.** (2018). How Individual Differences in Language Ability Influence Reading Efficiency. *USF Undergraduate Research Conference, Tampa, FL*
- Nethercoat, C. & Schotter, E.R.** (2018). Observed Effects of Clustering Coefficient and Neighborhood Size during Word Recognition. *USF Undergraduate Research Conference, Tampa, FL*
- Rogers, R.* & Schotter, E.R.** (2018). The Impact of Unexpected Stimuli in Cloze Tasks on Cloze Probability and Latent Semantic Analysis (LSA). *USF Undergraduate Research Conference, Tampa, FL*
* Excellence in Research Award
- Schotter, E.R., & **Thompson, A.** (2018). Parafoveal influences on oculomotor control and word recognition: Insights from oral reading. *CUNY Conference on Human Sentence Processing, Davis, CA*
- Barker, E.R.,** Leininger, M., & Schotter, E.R. (2017). How sight-singing strategies differ between voice types: Evidence from eye movements and production errors. *Society for Music Perception and Cognition Meeting, San Diego, CA.*
- Barker, E.R.,** Schotter, E.R., & Leininger, M. (2017). Effect of pitch complexity on eye movements during musical sight-reading. *Annual Meeting of the Psychonomic Society, Vancouver, Canada*
- Manrique, K.,** Betancourt, K.S., & Schotter, E.R. (2017). Cue competition during phonotactic processing in bilingual adults as measured by eye tracking. *Conference of the American Speech-Language-Hearing Association, Los Angeles, CA.*
- Johnson, E. & Schotter, E.R.** (2017). Visual perception & American Sign Language: Investigating differences between deaf and hearing signers' peripheral attention. *Florida Psycholinguistics Meeting, Gainesville, FL*
- Thompson, A. & Schotter, E.R.** (2017). Assessing Parafoveal Preview Effects Through Eye Movements and Oral Reading. *Florida Psycholinguistics Meeting, Gainesville, FL*
- Johnson, E. & Schotter, E.R.** (2017). Visual perception & American Sign Language: Investigating differences between deaf and hearing signers' peripheral attention. *USF Psych Expo, Tampa, FL*
- Barker, E.,** Leininger, M., & Schotter, E.R. (2016). Investigating processing, strategy, and accuracy in sight singing. *UCSD Psychology Honors Poster Session, San Diego, CA*
- Gu, Y.,** Schotter, E.R., Gollan, T., & Rayner, K. (2015). Cross-language intrusion errors in Chinese-English bilinguals. *UCSD Psychology Honors Poster Session, San Diego, CA*

- Bélanger, N.N., Schotter, E., & Rayner, K. (2014) Young Deaf readers' word processing efficiency. *Annual Meeting of the Psychonomic Society, Long Beach, CA.*
- Yi, S.**, Schotter, E.R., & Rayner, K. (2014). Involvement of conscious control during reading. *UC Berkeley Psychology Undergraduate Research Conference, Berkeley, CA*
- Yi, S.**, Schotter, E.R., & Rayner, K. (2014). Involvement of conscious control during reading. *UCSD Psychology Honors Poster Session, San Diego, CA*
- Bélanger, N.N., Schotter, E., & Rayner, K. (2014) Young Deaf readers' word processing efficiency. *VL2-NSF Site Visit, Gallaudet University, Washington D.C.*
- Schotter, E.R. (2013). Constraints on semantic preview benefit. *Annual Meeting of the Psychonomic Society, Toronto, Canada*
- Howard, I.**, Schotter, E.R., Bicknell, K., Levy, R., & Rayner, K. (2013). Humans Demonstrate Cognitive Flexibility Responding to Predictability: Evidence from Eye Movements. *UCLA Psychology Undergraduate Research Conference, Los Angeles, CA*
- Schotter, E.R., Bicknell, K., Levy, R. & Rayner, K. (2012). Eye movements in reading and proofreading: Modulating frequency and predictability effects. *Annual Meeting of the Psychonomic Society, Minneapolis, MN.*
- Schotter, E.R. & Rayner, K. (2012). Semantic preview benefit may be observed in English: The importance of initial letter capitalization (and display change delay). *Annual Meeting of the Psychonomic Society, Minneapolis, MN.*
- Angele, B., Rayner, K., Schotter, E.R., & Bicknell, K. (2012). Do readers obtain preview benefit from transposed words in English? *Annual Meeting of the Psychonomic Society, Minneapolis, MN.*
- Cohen-Shikora, E.R., Schotter, E.R., Balota, D.A. & Yap, M.J. (2012). Speeded past tense verb generation: An ironic effect of consistency. *Annual Meeting of the Psychonomic Society, Minneapolis, MN.*
- Tran, R.**, Schotter, E.R., & Rayner, K. (2012). The effects of regressions in reading. *UC San Diego Undergraduate Research Conference, San Diego, CA*
- Schotter, E.R., Bicknell, K., Levy, R. & Rayner, K. (2012). The effects of task on frequency and predictability effects. *CUNY Conference on Human Sentence Processing, New York, NY.*
- Angele, B., Rayner, K., Schotter, E.R., & Bicknell, K. (2012). Do readers obtain preview benefit from transposed words in English? *CUNY Conference on Human Sentence Processing, New York, NY.*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2011). Object identification for naming multiple objects: Semantic access is serial. *Annual Meeting of the Psychonomic Society, Seattle, WA.*
- Juhasz, B.J., Schotter, E.R., & Rayner, K. (2011). The effect of semantically opaque affixed words on eye movements during reading. *Annual Meeting of the Psychonomic Society, Seattle, WA.*
- Angele, B., Slattery, T.J., **Chaloukian, T.L.**, Schotter, E.R., & Rayner, K. (2011). Dissociating effects of parafoveal lexical processing from effects of the sentence context. *Annual Meeting of the Psychonomic Society, Seattle, WA.*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2011). Object identification for naming multiple objects: Semantic access is serial. *Architectures and Mechanisms for Language Processing. Paris, France*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2011). Eye movements during multiple object naming reflect the gating of information by attention. *European Conference on Eye Movements, Marseille, France*

- Wang, H.-C., Angele, B., Schotter, E.R., Yang, J., Simovici, D., Pomplun, M., & Rayner, K. (2011). Singular value decomposition is a valid predictor of stroke importance in reading Chinese. *European Conference on Eye Movements, Marseille, France*
- Itaya, S.**, Schotter, E.R., **Zlatarev, J.**, & Rayner, K. (2011). The Stroop effect is not due to interference during identification: Evidence from eye movements. *UC Los Angeles Psychology Undergraduate Research Conference, Los Angeles, CA*
- Chaloukian, T.L.**, Angele, B., Slattery, T.J., Schotter, E.R., & Rayner, K. (2011). Reading with a parafoveal mask. *UC Berkeley Psychology Undergraduate Research Conference, Berkeley, CA*
- Angele, B., Slattery, T.J., **Chaloukian, T.L.**, Schotter, E.R., & Rayner, K. (2011). Dissociating effects of parafoveal preprocessing from effects of the sentence context. *CUNY Conference on Human Sentence Processing, Palo Alto, CA.*
- Schotter, E.R., Blythe, H.I., Kirkby, J.A., Liversedge, S.P. & Rayner, K. (2010). Binocular coordination: Reading stereoscopic sentences in depth. *Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Schotter, E.R., **Berry, R.** McKenzie, C.R.W. & Rayner, K. (2009). Does looking behavior predict choice? *Annual Meeting of the Psychonomic Society, Boston, MA.*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2009). The timing and extent of parallel processing in an object naming task. *Architectures and Mechanisms for Language Processing, Barcelona, Spain*
- Schotter, E.R., **Berry, R.** McKenzie, C.R.W. & Rayner, K. (2009). The Interaction of encoding mechanisms and decision criteria on eye movements in a visual decision making task. *European Conference on Eye Movements, Southampton, UK*
- Schotter, E.R., Ferreira, V.S. & Rayner, K. (2008). Extrafoveal processing of multiple objects in an array: Evidence for parallel processing. *Annual Meeting of the Psychonomic Society, Chicago, IL.*
- Schotter, E.R. (2007). Going from *dip* to *dipped* and *ding* to *dinged*, the influence of phonological neighbors. *Psychology Department Honors Thesis Poster Session and the Undergraduate Research Symposium, Washington University in St. Louis, St. Louis, MO.*

Mentoring and Research Supervision

Postdoctoral Scholars:

- 2024-present Sara Milligan
2021-2023 Frances Cooley (now at Rochester Institute for Technology)

Doctoral Dissertations (chair):

- 2024 Sara Milligan: Causes and Consequences of Word Skipping During Reading: Evidence from the Co-Registration of Eye Movements and EEG
2019 Mark Lowry (co-Chair with Chad Dubé): Evaluating Theories of Bilingual Language Control Using Computational Models

Masters Theses (chair):

- 2023 Jason Schmidt Avendaño: Music and Linguistic Semantic Anomalies: An ERP Study on Integration & Expectancy on Predictive Processing of Harmonic Music during a Self-Paced Reading Task
2022 Sara Milligan: Influences of Sentence Context and Individual Differences in Lexical Quality on Early Phonological Processing during Silent Reading

Doctoral Dissertations (committee member):

| | |
|-------------|---|
| in progress | Ansley Davis (Communication Sciences and Disorders) |
| in progress | Paris Gappmayr (Speech, Language, and Hearing Sciences: <i>Boston University</i>) |
| 2024 | Emily Saunders (Language and Communicative Disorders: <i>San Diego State University</i>) |
| 2021 | Frances Cooley (Linguistics: <i>University of Texas at Austin</i>) |
| 2021 | Saurabh Hinduja (Computer Science and Engineering) |
| 2020 | Ke Tong (Psychology) |
| 2020 | Xiaoqian Yu (Psychology) |
| 2019 | Mehrdad Vaziri (Geosciences) |

Masters Theses (committee member):

| | |
|-------------|---|
| in progress | Susan Rodriguez (Psychology) |
| 2022 | Jacob Zepp (Psychology) |
| 2022 | Clara Lopes (Psychology: <i>University of Utah</i>) |
| 2021 | Samantha Shepard (Psychology) |
| 2020 | Jacob Levine (Psychology) |
| 2018 | Katherine Manrique (Communication Sciences and Disorders) |
| 2017 | Joanna Lawler (Psychology) |

Undergraduate Honors Theses (chair):

| | |
|-------------|--|
| In progress | Nadija Sulcaj: Parafoveal vision and the frontal positivity in sentence reading. |
| 2022 | Casey Stringer*: The leftward word identification span of deaf readers. *Psi Chi Mamie Phipps Clark Diversity Research Grant, \$1,500 |
| 2022 | Hannah Thomas*: Differentiating word frequency and word diversity effects in sentence reading: An event related potential study. *Psi Chi Undergraduate Research Grant, \$1,500 |
| 2021 | Neslihan Caliskan*: The impact of lexical relationships and contextual information on visual word recognition: An event-related potential study. *Psi Chi Undergraduate Research Grant, \$1,500 |
| 2021 | Victoria Estevez*: Is parafoveal vision sufficient for semantic integration?: Evidence from event-related potentials. *Psi Chi Undergraduate Research Grant, \$1,500 |
| 2020 | Dimitri Brunelle*: Identifying overlapping neuro-cognitive mechanisms of music and language through predictive processing using event-related brain potentials. * Psi Chi Undergraduate Research Grant, \$3,500 |
| 2019 | Anna Marie Fennell* **: Musicians experience less working memory interference than non-musicians by utilizing syntactic structure. * Psi Chi Undergraduate Research Grant, \$1,500 ** USF Psych Expo Best Poster Award |
| 2019 | Alex Sciuto*: To what extent does the quality of visual information modulate reliance on top-down versus bottom-up processing in reading? * Psi Chi Undergraduate Research Grant, \$1,500 |
| 2019 | Jamie Newland: Semantic priming: Individual differences in automaticity. |

- 2017 Emily Johnson*: Visual perception & American Sign Language: Investigating differences between deaf and hearing signers' peripheral attention.
* Council of Undergraduate Research Psychology Travel Award
- 2016 Emily Barker*: Investigating processing, strategy, and accuracy in sight singing.
* Norman Anderson Honors Thesis Award for Innovative Contributions to Research
- 2015 Yumeng (Rainy) Gu*: Cross-language intrusion errors in Chinese-English bilinguals.
* Norman Anderson Honors Thesis Award for Innovative Contributions to Research
- 2014 Stephanie Yi: Involvement of conscious control during reading.

Teaching Experience

Undergraduate

- Psychology of Language (USF: FA 2023, SP 2023, FA 2022, SP 2021, FA 2020, SP 2020, FA 2019, FA 2018, FA 2017, SP 2017; UCSD: FA 2013, WI 2013)
- Experimental Design & Analysis (USF: SP 2019, SP 2018, SP 2017, FA 2016)
- General Psychology: Cognitive Foundations (UCSD: SU 2010)

Graduate

- Writing & Reviewing (USF: FA 2022, FA 2019, FA 2018, FA 2017; Chinese Academy of Sciences, SU 2016 & SU 2014)
- Presentation & Data Visualization (USF: SP 2023, SP 2022, SP 2021, SP 2020, SP 2019, SP 2018)
- Eye Tracking Research Methods (USF: FA 2023, FA 2020; Scuola Internazionale Superiore di Studi Avanzati, SP 2020)

Editorial Activities

- 2025-present Contributing Editor: *Journal of Memory and Language*
- 2020-present Contributing Editor: *Visual Cognition*
- 2017-present Contributing Editor: *Journal of Experimental Psychology: Learning Memory & Cognition*
- 2023-2024 Guest Editor: *Attention, Perception, and Psychophysics*
(*Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG*)
- 2019-2020 Guest Editor: *Psychology of Learning and Motivation*
(*Volume 73: Gazing toward the future: Advances in eye movement theory and applications*)
- 2017-2019 Contributing Editor: *Journal of Learning Disabilities*

Selected Media Coverage

- Wollan, M. (2020, March 22). How to read faster. *The New York Times*, Retrieved from <https://www.nytimes.com/2020/03/17/magazine/speed-reading.html>
- Woo, M. (2019, November 30). Can people really learn to 'speed read'? *LiveScience*, Retrieved from <https://www.livescience.com/speed-reading-possible.html>
- Spitznagel, E. (2019, September 21). How a Mormon housewife sold America the big speed-reading scam. *The New York Post*, Retrieved from <https://nypost.com/2019/09/21/how-a-mormon-housewife-sold-america-the-big-speed-reading-scam/>
- Foley, K.E. (2016, January 21). There really is no such thing as speed reading. *Quartz*, Retrieved from <https://qz.com/597995/there-really-is-no-such-thing-as-speed-reading/>

- Gardiner, B. (2015, September 08). Big Question: Is speed reading actually possible? *WIRED*, Retrieved from <https://www.wired.com/2015/09/big-question-speed-reading-actually-possible/>
- Greenmeier (2014, May 28). Speed-reading reborn for smartphones, smartwatches. *Scientific American*, Retrieved from <https://www.scientificamerican.com/article/speed-reading-reborn-for-smartphones-smartwatches/>
- Wagner, D. (2014). Could a smartphone app train you to speed read? Not so fast. *KPBS Evening Edition*, San Diego, CA: KPBS. Retrieved from <https://www.kpbs.org/news/2014/may/08/could-smartphone-app-train-you-speed-read-not-so-f/>

Ad Hoc Reviewer

Grants

Economic and Social Research Council
Israel Science Foundation
Leverbulme Trust
National Institutes of Health
National Science Foundation

Journals

American Educational Research Association Open
American Journal of Psychology
Attention, Perception & Psychophysics
Behavior Research Methods
Bilingualism: Language and Cognition
Cognition
Cognitive, Affective, and Behavioral Neuroscience
Cognitive Science
International Journal of Artificial Intelligence in Education
International Journal of Psychophysiology
Journal of Applied Research in Memory and Cognition
Journal of Cognitive Neuroscience
Journal of Cognitive Psychology
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: Learning, Memory and Cognition
Journal of Memory and Language
Journal of Neuroscience, Psychology, and Economics
Journal of Research in Reading
Journal of Vision
Language, Cognition, and Neuroscience
Language Learning
Memory & Cognition
Neuropsychologia
Perspectives on Psychological Science
PLoS ONE
Proceedings of the National Academy of Sciences
Psychological Science

Psychological Science in the Public Interest
Psychonomic Bulletin & Review
Psychophysiology
Quarterly Journal of Experimental Psychology
Reading Research Quarterly
Scientific Studies of Reading
Trends in Cognitive Sciences
Vision Research
Visual Cognition

Conferences

Architectures and Mechanisms for Language Processing
CUNY Conference on Human Sentence Processing
European Conference on Eye Movements
Proceedings of the Cognitive Science Society

Professional Affiliations and Memberships

2019-Present Member; *Cognitive Science Society*
 2017-Present Member; *Association for Psychological Science*
 2017-Present Affiliate; *Society for Experimental Psychology & Cognitive Science (APA Division 3)*
 2017-Present Member; *Women in Cognitive Sciences*
 2017-Present Member; *Council for Undergraduate Research*
 2015-Present Fellow; *Psychonomic Society*
 2014-2015 Member; *Psychonomic Society*
 2014-Present Member; *Federation of Associations in Behavioral & Brain Sciences*

Service

Spring 2025 Member
Working Group for Research Experiences for Undergraduates, University of South Florida

2019-2025 Committee Member
Phi Beta Kappa Committee on Members in Course, USF Chapter (Eta of Florida)

Aug 2024 Program Committee Member
European Conference on Eye Movements, Maynooth, Ireland

2020-2024 Committee Chair
Awards & Scholarships Committee, USF Psychology Department

Nov 2022 Symposium Organizer (co-Organizer, Brennan Payne)
Co-Registration of Eye Movements and EEG. Meeting of the Psychonomic Society

May 2022 Open House Research Day for High School Students
Eye Movements and Cognition Lab, University of South Florida

May 2022 Conference Organizer (co-Organizers, Brennan Payne & Trafton Drew)
Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG

2016-2020 Committee Member
Awards & Scholarships Committee, USF Psychology Department

- Apr 2020 Guest Speaker
Cognitive Science Seminar, UCSD Cognitive Science Department
- Aug 2019 Symposium Organizer (co-Organizer, Brennan Payne)
Word processing across space and time during reading: Insights from eye tracking, electrophysiology, and computational modeling, European Conference on Eye Movements
- Feb 2019 Workshop Organizer
Awards and Scholarships in the Psychology Department, USF Psychology Department
- Oct 2018 Conference Organizer (co-Organizers Judith Bryant, Amanda Huensch, & Nicole Tracy-Ventura)
4th Annual Florida Psycholinguistics Meeting; Tampa, FL
- Sept 2018 Panel Discussion Moderator
Non-academic Careers for Psychology PhDs, USF Psychology Department
- Feb, Sept 2018 Guest Speaker
Discovering Research in Psychology, USF Psychology Department
- Apr 2018 Panel Discussion Member
The Cultural Revolution in Psychology: Replication, Gender, and Academic Criticism
USF Psychology Department
- Mar 2018 Workshop Organizer
Data Analysis with JMP, USF Tampa Campus
- Feb 2017 Workshop Organizer
Statistical Methods and Software for Research & Teaching, USF Psychology Department
- May 2013 Guest Speaker
Psi Chi Society, UCSD Psychology Department
- Mar 2012 Guest Speaker
Preuss School, La Jolla, CA
- 2011-2012 Graduate Student Representative to the Department, UCSD Psychology Department
- 2010-2011 Colloquium Series Student Representative, UCSD Psychology Department