

Elizabeth Roye Schotter

Psychology Department
University of South Florida
4202 East Fowler Ave,
PCD 4118G, Tampa, FL 33620

phone: (917) 226-7096 (cell)
email: eschotter@usf.edu
website: faculty.cas.usf.edu/eschotter
lab website: amac-usf.com

Professional Positions

2016-present 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*; *Phi Beta Kappa*; Washington University in St. Louis

Previous Research Positions

2007-2016 Lab Manager; Rayner Eye Tracking Lab, University of California, San Diego
2009 Visiting Researcher; Centre for Vision and Cognition, University of Southampton, UK

Research Fields

Cognitive Psychology, Reading, Language Processing, Attention, Visual Perception, Eye Movements, Learning, Decision Making, Deafness, Bilingualism

Grants & Fellowships

Pending PI on NIH R21
Perceptual and Linguistic Contributions to Deaf Signers' Enhanced Peripheral Attention in Reading
\$275,000 (co-I: Amy Lieberman)

Pending PI on NIH R21
Neuro-cognitive mechanisms linking music and language: Working Memory and Prediction
\$275,000 (co-PI: Brennan Payne; Co-I: Jennifer Bugos)

Pending PI on NSF Workshop
Neural underpinnings of attention in the real world: Co-registration of eye movements and EEG
\$25,000 (co-Organizers: Trafton Drew, Brennan Payne)

Pending PI on USF Proposal Enhancement Grant
Perceptual and Linguistic Contributions to Deaf Signers' Enhanced Peripheral Attention in Reading
\$25,000

Pending PI on USF Strategic Investment Pool
Acquisition of eye tracking and EEG co-registration equipment
\$82,550 (co-PIs: Marvin Andujar, Jennifer Bugos, Shaun Canavan, Peter Clayson, Chad Dubé, Geoffrey Potts)

2020 PI on USF Humanities Institute Summer Grant
Investigating If Music Benefits Language Processing through Prediction \$5,000

2020-2021 PI on Psi Chi Undergraduate Research Grant (Student Awardee: 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 Psi Chi Undergraduate Research Grant (Student Awardee: 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 *Yearly Workshop in the Event Related Potential Technique* covers registration, travel, lodging, and meals (PI: Steven Luck)
- 2019-2020 PI on Psi Chi Undergraduate Research Grant (Student Awardee: Anna Marie Fennell)
The Benefits of Musical Training on Working Memory \$1,500
- 2018-2019 PI on USF Nexus Initiative Award
Investigating Enhanced Peripheral Processing in Deaf Individuals: Purely Perceptual or Linguistically Driven? \$9,000 (collaborator: Amy Lieberman)
- 2017-2019 PI on NSF Grant 1724550/1724623
Collaborative Research: Attention in Games and Decisions \$392,484 (co-PI: Andrew Schotter)
- 2017-2018 Creating Research Experiences and Activities Through Teaching Enhancement
Experimental Design and Analysis. 2017: \$2,000; 2018: \$1,500
- 2015-2016 co-Investigator on NIH Grant R01 HD065829
Linguistic Processes in Sentence Comprehension and Reading \$174,040 (PI: Roger Levy)
- 2014-2016 Atkinson Family Endowment Post-doctoral Scholar \$104,535
- 2013-2014 Post-doctoral Fellowship under NSF Science of Learning Center VL2 cooperative agreement SBE 1041725
The Development of the Perceptual Span in Beginning Deaf Readers (local PI: Keith Rayner)
- 2011-2013 Pre-doctoral Fellowship from the UCSD Center for Research in Language NIH Training Grant DC000041
Language, Communication, and the Brain (PI: Marta Kutas)
- 2011-2012 Student Initiator on UCSD Chancellor's Interdisciplinary Collaboratories Grant
Language and Visual Saliency Jointly Guide Eye Movements in the Perception of Complex Scenes \$120,000 (PIs: Keith Rayner, Roger Levy & Nuno Vasconcelos)
- 2011 Graduate Student Supervisor on Psi Chi Summer Undergraduate Research Grant
How The Ability to Return to Previously Read Words Affects Normal Reading \$3,500 (Student Awardee: Randy Tran; PI: Keith Rayner)
- 2009 Graduate Student Supervisor on Chancellor's Research Scholarship
Parafoveal processing of acronyms in reading \$3,000 (Student Awardee: Raymond Berry; PI: Keith Rayner)
- 2009 PI (Visiting Scholar) on Experimental Psychology Society Study Visit Grant
Binocular coordination of eye movements during reading £1,200 (host: Simon Liversedge)

Honors & Awards

- 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; UCSD Psychology Department
- 2009 Travel Fund Award; UCSD Dean of Social Sciences
- 2007-present Phi Beta Kappa
- 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

2019

1. **Schotter, E.R.**, & Fennell, A., (2019). Readers can identify the meanings of words without looking at them: Evidence from regressive eye movements. *Psychonomic Bulletin & Review*, 26, 1697–1704.
2. **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.
3. **Schotter, E.R.** & Payne, B.R. (2019). Eye movements and comprehension are important to reading. *Trends in Cognitive Sciences*, 23, 811-812.
4. **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.

2018

5. **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.
6. **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.
7. 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.

2017

8. **Schotter, E.R.**, Pollatsek, A., & Rayner, K. (2017). Reading. In *Reference Module in Neuroscience and Behavioral Psychology*, Elsevier

2016

9. **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. ***2017 Early Career Award from the Society for Experimental Psychology and Cognitive Science (APA Division 3)**
10. **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.
11. 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.
12. 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.
13. 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**

2015

14. **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.
15. **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.
16. 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.

2014

17. **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.
18. **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.
19. **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.
20. **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.
21. 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.
22. 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.
23. Rayner, K., **Schotter, E.R.**, & Drieghe, D. (2014). Lack of semantic parafoveal preview benefit in reading revisited. *Psychonomic Bulletin & Review*, *21*, 1067-1072.

2013

24. **Schotter, E.R.** (2013). Synonyms provide semantic preview benefit in English. *Journal of Memory and Language*, *69*, 619-633.
25. **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.
26. **Schotter, E.R.**, & Rayner, K. (2013). Eye movements in reading. In E. Perego (Ed.), *Eye Tracking in Audiovisual Translation* (pp. 83-104). Rome: Aracne.
27. 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.
28. 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.

29. 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.
30. 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.

2012

31. **Schotter, E.R.**, Angele, B., & Rayner, K. (2012). Parafoveal processing in reading. *Attention, Perception & Psychophysics*, *74*, 5-35.
32. **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*.
33. **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.
34. **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.
35. 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.

2011

36. **Schotter, E.R.** (2011). Eye Movements as an index of linguistic processing in language production. *Studies of Psychology and Behavior*, *9*, 16-23.
37. 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.

2010

38. **Schotter, E.R.**, Berry, R., McKenzie, C., & Rayner, K. (2010). Gaze bias: Selective encoding and liking effects. *Visual Cognition*, *18*, 1113-1132.

Manuscripts In Preparation or Under Review

- Schotter, E.R.**, Johnson, E., & Lieberman, A. (revision in preparation). The sign superiority effect: Lexical status facilitates peripheral handshape identification for deaf signers. *Journal of Experimental Psychology: Human Perception and Performance*
- Avoyan, A., Ribiero, M., Schotter, A., **Schotter, E.R.**, & Vaziri, M. (under review). Planned vs. Actual Attention: How Misallocating Attention Affects Decision-Making in Games. *Games and Economic Behavior*
- Lowry, M., Dubé, C., & **Schotter, E.R.** (under review). Evaluating Theories of Bilingual Language Control Using Computational Models. *Journal of Memory and Language*
- Milligan, S.M, Sciuto, A., & **Schotter, E.R.** (under review). Event-related potentials reveal differences between foveal and parafoveal integration of visual and contextual information during sentence processing. *Proceedings of the Cognitive Sciences Society, Toronto, Canada*

- Sciuto, A., Milligan, S.M., & **Schotter, E.R.** (under review). Visual Quality and Lexical Quality Reduce Readers' Reliance on Sentence Context for Word Recognition. *Proceedings of the Cognitive Sciences Society, Toronto, Canada*
- Reichle, E.D., & **Schotter, E.R.** (under review). A Computational Analysis of the Constraints on Parallel Word Identification. *Proceedings of the Cognitive Sciences Society, Toronto, Canada*
- Schotter, E.R.** (in prep). The relationship between word identification skills and the use of parafoveal information in reading.
- Schotter, E.R.**, Doucette, A., & Dillon, B. (in prep). SideEye: A tool for deriving dependent measures for reading studies from raw eye tracking data.
- Barker, E., Leinenger, M., & **Schotter, E.R.**, (in prep). How sight-singing strategies differ between voice type: Evidence from production errors and eye movements.
- Fennell, A.M., Bugos, J., Payne, B.R., & **Schotter, E.R.**, (in prep). The role of musical training in working memory for sentence processing.
- Sciuto, A., Milligan, S., & **Schotter, E.R.**, (in prep). Readers rely on sentence context for word recognition when visual clarity is low or they have weak spelling skills.

Invited Talks and Symposia

- 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*
- Schotter, E.R.** (2020). The influence of visual input and linguistic expectation on word recognition processes in reading and sign language comprehension. *Institute for Cognitive Science, University of Colorado, Boulder, CO*
- 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: 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

- Fennell, A.M. & **Schotter, E.R.** (accepted). Is musical training associated with increased syntactic working memory? *Expression, Language, and Music, Hartford, CT.*
- Schotter, E.R.,** Johnson, E., & Lieberman, A. (2019). The role of lexical access in peripheral perception: Evidence from sign superiority effects in deaf signers. *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. *Meeting of the Psychonomic Society, New Orleans, LA.*
- Schotter, E.R.,** (2017). The Relationship Between Language Skills and Parafoveal Sensitivity to Word Frequency. *Meeting of the Psychonomic Society, Vancouver, Canada.*
- Schotter, E.R.,** Leinenger, 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.,** Leinenger, 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.,** & Leinenger, M. (2016). Dissociating influences of parafoveal and foveal information on reading: Forced fixations and comprehension. *Meeting of the Psychonomic Society, Boston, MA.*

- Schotter, E.R.**, & Leinenger, M. (2015). The curious case of the reverse preview benefit effect in reading. *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. *Meeting of the Psychonomic Society, Long Beach, CA.*
***Select Speaker Award**
- 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. *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

2020

- Fennell, A.M., Bugos, J.A., Payne, B.R., & **Schotter, E.R.** (accepted). Is musical training associated with increased syntactic working memory? *Neuroscience and Music VII: Connecting with Music Across the Lifespan, Arhaus, Denmark.*
- Milligan, S. & **Schotter, E.R.** (accepted). Sentence context and spelling ability influence parafoveal processing of phonology in reading. *CUNY Conference on Human Sentence Processing, Amherst, MA.*
- Sciuto, A., Milligan, S. & **Schotter, E.R.** (accepted). Visual clarity and spelling ability affect the use of sentence context for word recognition. *CUNY Conference on Human Sentence Processing, Amherst, MA.*

2019

- 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. *Meeting of the Psychonomic Society, Montreal, Canada.*
- Milligan, S. & **Schotter, E.R.** (2019). Individual difference in gaze patterns during risky financial decision-making. *European Conference on Eye Movements, Alicante, Spain.*
- 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.*

2018

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*

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.*

2017

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. *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.*

2014

Bélanger, N.N., **Schotter, E.**, & Rayner, K. (2014) Young Deaf readers' word processing efficiency. *Meeting of the Psychonomic Society, Long Beach, CA.*

Bélanger, N.N., **Schotter, E.**, & Rayner, K. (2014) Young Deaf readers' word processing efficiency. *VL2-NSF Site Visit, Gallaudet University, Washington D.C.*

2013

Schotter, E.R. (2013). Constraints on semantic preview benefit. *Meeting of the Psychonomic Society, Toronto, Canada*

2012

Schotter, E.R., Bicknell, K., Levy, R. & Rayner, K. (2012). Eye movements in reading and proofreading: Modulating frequency and predictability effects. *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). *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.*

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.*

2011

- Schotter, E.R.**, Ferreira, V.S. & Rayner, K. (2011). Object identification for naming multiple objects: Semantic access is serial. *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*
- 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.*

2010

- Schotter, E.R.**, Blythe, H.I., Kirkby, J.A., Liversedge, S.P. & Rayner, K. (2010). Binocular coordination: Reading stereoscopic sentences in depth. *Meeting of the Vision Sciences Society, Naples, FL.*

2009

- 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*

2008

- 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.*

2007

- 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*

Doctoral Dissertation and Master's Thesis Committees**Doctoral Dissertations (chair):**

Mark Lowry (Psychology; co-Chair with Dr. Chad Dubé)

Masters Theses (chair):

Sara Milligan (Psychology)

Doctoral Dissertations:

Frances Cooley (Linguistics: University of Texas at Austin)
 Saurabh Hinduja (Computer Science and Engineering)
 Ke Tong (Psychology)
 Mehrdad Vaziri (Geosciences)
 Xiaoqian (Sophy) Yu (Psychology)

Masters Theses (committee member):

Jacob Levine (Psychology)
 Joanna Lawler (Psychology)
 Katherine Manrique (Communication Sciences and Disorders)
 Samantha Shepard (Psychology)

Selected Undergraduate Students Supervised**Co-authors (see above):**

Emily Barker, Raymond Berry, Anna Marie Fennell, Cainen Gerety, Joanne Gomez, Ian Howard, Annie Jia, Emily Johnson, Michelle Lee, Mayra Murillo, Michael Reiderman, Alex Sciuto, Tara Tenenbaum, Randy Tran

Honors Theses (chair):

Dimitri Brunelle*: Brunelle, D. (in progress). Identifying Overlapping Neuro-Cognitive Mechanisms of Music and Language through Predictive Processing using Event-Related Brain Potentials.

* Psi Chi Undergraduate Research Grant, \$3,500

Anna Marie Fennell* **: 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*

* Psi Chi Undergraduate Research Grant, \$1,500

** USF Psych Expo Best Poster Award

Alex Sciuto*: 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* and *USF Psych Expo, Tampa, FL*

* Psi Chi Undergraduate Research Grant, \$1,500

Jamie Newland: Newland, J. & Schotter, E.R. (2019). Semantic Priming: Individual Differences in Automaticity. *USF Undergraduate Research Conference, Tampa, FL*

Emily Johnson*: Johnson, E. & Schotter, E.R. (2017). Visual Perception & American Sign Language: Investigating differences between Deaf and hearing signers' peripheral attention. *University of South Florida Psychology Expo* and *Florida Psycholinguistics Meeting, Gainesville, FL*

* Council of Undergraduate Research Psychology Travel Award

Emily Barker*: Barker, E.R., Leininger, M., & Schotter, E.R. (2016). Investigating Processing, Strategy, and Accuracy in Sight Singing. *UC San Diego Psychology Honors Poster Session, San Diego, CA*

* Norman Anderson Honors Thesis Award for Innovative Contributions to Research

Yumeng (Rainy) Gu*: Gu, Y., Schotter, E.R., Gollan, T., & Rayner, K. (2015). Cross-Language Intrusion Errors in Chinese-English Bilinguals. *UC San Diego Psychology Honors Poster Session, San Diego, CA*

* Norman Anderson Honors Thesis Award for Innovative Contributions to Research

Stephanie Yi: Yi, S., Schotter, E.R., & Rayner, K. (2014). Involvement of conscious control during reading. *UC Berkeley Psychology Undergraduate Research Conference, Berkeley, CA* and *UC San Diego Psychology Honors Poster Session, San Diego, CA*

Student-presented Research Projects (Lab & Directed Study):

- Dimitri Brunelle: Brunelle, D., & Schotter, E.R. (2019). Comparing Silent vs. Oral Reading: Duration and Accuracy Using Parafoveal Vision. *Florida Psycholinguistics Meeting, Miami, FL* and *USF Psychology Expo, Tampa, FL*
- Cassandra DeGaetano: 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*
- Alex Sciuto*: 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* and *USF Psychology Expo, Tampa, FL*
* USF Psych Expo Best Poster Award
- Anna Marie Fennell & Zoe Grossman: Fennell, A.M., Grossman, Z., & Schotter, E.R. (2018). Using Implausible Previews to Study Parafoveal Processing. *Florida Psycholinguistics Meeting, Tampa, FL* and *USF Psychology Expo, Tampa, FL*
- Danielle Ferrusi, Julianna Kirshner, & Alexis Wishart: Ferrusi, D., Kirshner, J., Wishart, A. & Schotter, E.R. (2018). How Individual Differences in Language Ability Influence Reading Efficiency. *Florida Psycholinguistics Meeting, Tampa, FL*
- Jamie Newland: Newland, J., & Schotter, E.R. (2018). Assessing Parafoveal Preview Effects Through Eye Movements and Oral Reading. *Florida Psycholinguistics Meeting, Tampa, FL*
- Danielle Ferrusi: Ferrusi, D. & Schotter, E.R. (2018). How Individual Differences in Language Ability Influence Reading Efficiency. *USF Undergraduate Research Conference, Tampa, FL*
- Caitlin Nethercoat: Nethercoat, C. & Schotter, E.R. (2018). Observed Effects of Clustering Coefficient and Neighborhood Size during Word Recognition. *USF Undergraduate Research Conference, Tampa, FL*
- Richard Rogers*: 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
- Alyssa Thompson: Thompson, A. & Schotter, E.R. (2017). Assessing Parafoveal Preview Effects Through Eye Movements and Oral Reading. *Florida Psycholinguistics Meeting, Gainesville, FL*
- Ian Howard: Howard, I., Schotter, E.R., Bicknell, K., Levy, R., & Rayner, K. (2013). Humans Demonstrate Cognitive Flexibility Responding to Predictability: Evidence from Eye Movements. *UC Los Angeles Psychology Undergraduate Research Conference, Los Angeles, CA*
- Randy Tran: Tran, R., Schotter, E.R., & Rayner, K. (2012). The effects of regressions in reading. *UC San Diego Undergraduate Research Conference, San Diego, CA*
- Samantha Itaya: 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*
- Tara Tenenbaum (née Chaloukian): 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*

Student-presented Research Projects (Experimental Design & Analysis Course):

- Alexander, C., McCormack, M., & Torres, V. (2019). Recognition of standard and non-standard colored visual images. *USF Undergraduate Research Conference, Tampa, FL*
- Gultekin, B., Sciuto, A., Freitas, M., & Bertomew, J. (2019). Time to throw a fit: How occupation-fit and leadership gender modulate perceptions of leadership effectiveness. *USF Undergraduate Research Conference, Tampa, FL*
- Keenan, K., Latorre, A., & Lemon, S. (2019). Emotional recognition across males and females. *USF Undergraduate Research Conference, Tampa, FL*
- Bart, K., Cantlon, J., Damiani, K., & Naranjo, A. (2018). Does the amount of exposure to certain body types affect a woman's self-esteem? *USF Undergraduate Research Conference, Tampa, FL*
- Ferreira, C., Webber, A., Jamian, M., & Gelber, A. (2018). Deceptions of the human mind. *USF Undergraduate Research Conference, Tampa, FL*
- Hegazi, K., Jain, A., Madathilate, N., & Smith, T. (2018). The effect of visuals and the effect of color on short-term memory retention. *USF Undergraduate Research Conference, Tampa, FL*
- Klarer, R., Gagne, P., & Harris, N. (2018). Effects of cooperation and collaboration in video game play on pro-social behaviors. *USF Undergraduate Research Conference, Tampa, FL*
- Ruiz-Wilson, A. & Katz, T. (2018). Conformity in groups. *USF Undergraduate Research Conference, Tampa, FL*
- Trantham, M., (2018). Effects of binaural beat use on two types of working memory. *USF Undergraduate Research Conference, Tampa, FL*
- Campbell, A., Reeves, D., Slate, A., & Taylor, L. (2017). Information retention: Examining the effects of ageism in American college-aged learners. *USF Undergraduate Research & Arts Colloquium, Tampa, FL*
- Falling, M., & Tutor-New, F. (2017)*. The effects of different types of praise on self-efficacy in digital tasks. *USF Undergraduate Research & Arts Colloquium, Tampa, FL*
- * Excellence in Research Award
- Hemenway, M., Tran, P., & Dean, B. (2017). Effects of color on memory by recall and recognition. *USF Undergraduate Research & Arts Colloquium, Tampa, FL*
- Moraes, C., & Meyers, M. (2017). To talk or not to talk: Does humor hold your attention? *USF Undergraduate Research & Arts Colloquium, Tampa, FL*
- Pusey, K., Rodgers, K., Ramdhanie, C., & Chittenden, D. (2017). Frozen by stress. *USF Undergraduate Research & Arts Colloquium, Tampa, FL*

Teaching Experience**Undergraduate**

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

Graduate

- Writing & Reviewing/Language & Science (USF: FA 2019, FA 2018, FA 2017)
- Presentation & Data Visualization/Visual Cognition (USF: SP 2020, SP 2019, SP 2018)
- Academic Writing and Publication (Chinese Academy of Sciences, SU 2016 & SU 2014)
- Eye Tracking for Cognitive Science (Scuola Internazionale Superiore di Studi Avanzati, SP 2020)

Professional Activities

- 2017-present Contributing Editor: *Journal of Experimental Psychology: Learning Memory & Cognition*
 2017-present Contributing Editor: *Journal of Learning Disabilities*

Ad Hoc Reviewer

Grants

Economic and Social Research Council; Leverhulme Trust; National Institutes of Health; National Science Foundation

Journals

American Educational Research Association Open; American Journal of Psychology; Attention, Perception & Psychophysics; Bilingualism: Language and Cognition; Cognition; Cognitive, Affective, and Behavioral Neuroscience; Cognitive Science; International Journal of Artificial Intelligence in Education; 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 Vision; Language, Cognition, and Neuroscience; Language Learning; Memory & Cognition; Perspectives on Psychological Science; Psychological Science in the Public Interest; Psychonomic Bulletin & Review; Psychophysiology; PLoS ONE; Quarterly Journal of Experimental Psychology; Reading Research Quarterly; Scientific Studies of Reading; Trends in Cognitive Sciences; Vision Research; Visual Cognition

Conferences

CUNY Conference on Human Sentence Processing; Proceedings of the Cognitive Science Society

Professional Affiliations and Memberships

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

Service

- 2019-2022 Committee Member
Phi Beta Kappa Committee on Members in Course, USF Chapter (Eta of Florida)
 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
 2016-2020 Committee Member
Awards & Scholarships Committee, USF Psychology Department

- 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 Guest Speaker
Discovering Research in Psychology, USF Psychology Department
- Sept 2018 Panel Discussion Moderator
Non-academic Careers for Psychology PhDs, USF Psychology Department
- Apr 2018 Panel Discussion Member
The Cultural Revolution in Psychology: Replication, Gender, and Academic Criticism
USF Psychology Department
- Mar 2018 Statistics Workshop Organizer
Data Analysis with JMP, USF Tampa Campus
- Feb 2018 Guest Speaker
Discovering Research in Psychology, USF Psychology Department
- 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

References

Professor Victor Ferreira
Department of Psychology
University of California, San Diego
La Jolla, CA, USA, 92093-0109
vferreira@ucsd.edu
(858) 534-6303

Associate Professor Roger Levy
Department of Brain and Cognitive Sciences
Massachusetts Institute of Technology
77 Massachusetts ave. Room 46-2005
Cambridge, MA, 02139-4307
rplevy@mit.edu
(617) 253-5748

Professor Erik Reichle
Department of Psychology, Faculty of Human Sciences
Macquarie University
Balaclava Road,
North Ryde, Australia, NSW 2019
erik.reichle@mq.edu.au
+61 4 0907 6133

Professor Simon Liversedge
Department of Psychology
University of Central Lancashire
Preston, Lancashire, UK, PR1 2HE
SPLiversedge@uclan.ac.uk
+44 (0)1772 891990