

Mallorie Leinenger

Department of Psychology
Denison University
100 West College Street
Granville, OH 43023

(740) 587-5084 (office)
(248) 909-5519 (cell)
leinengerm@denison.edu

Current Appointment

2016- Assistant Professor of Psychology, Denison University, Granville, Ohio

Education

2016 Ph.D., Psychology, University of California San Diego
Dissertation: *The time course of phonological coding during reading*
2011 M.A., Psychology, University of California San Diego
2009 B.S., Psychology, *With Honors*, Michigan State University
2009 B.A., Spanish, *With Honors*, Michigan State University

Research Fields

Cognitive Psychology, Eye Movements, Reading, Visual Attention and Perception, Phonological Processing, Lexical Ambiguity, Psycholinguistics

Fellowships, Awards, and Honors

2014 Recognized for outstanding service in providing accommodations for students with disabilities, UCSD Office for Students with Disabilities
2011-2015 Norman Anderson Travel Award, UCSD Psychology Dept. (For travel to present at 5 academic conferences, \$2323 total award)
2009 Graduated *With Honors*, Michigan State University
2005-2009 Honors College Member, Michigan State University
2005-2009 Professorial Assistantship, research award, Michigan State University
2005-2009 State Scholarship, academic merit scholarship, Michigan State University

Peer-Reviewed Publications

*denotes undergraduate co-author

Journal Articles

Leinenger, M. (*in press*). Survival analyses reveal how early phonological processing affects eye movements during reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Schotter, E.R., von der Malsburg, T., & **Leinenger, M.** (*in press*). Forced fixations, trans-saccadic integration, and word recognition: Evidence for a hybrid mechanism of saccade triggering in reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Schotter, E. R., **Leinenger, M.**, & von der Malsburg, T. (*in press*). When your brain skips what your eyes see: How forced fixations lead to comprehension illusions in reading. *Psychonomic Bulletin & Review*.

- Leinenger, M.**, Myslín, M., Rayner, K., & Levy, R. (2017). Do resource constraints affect lexical processing? Evidence from eye movements. *Journal of Memory and Language*, 93, 82-103.
- Schotter, E. R. & **Leinenger, 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.
- Leinenger, M.** (2014). Phonological coding during reading. *Psychological Bulletin*, 140, 1534-1555.
- Higgins, E. M., **Leinenger, M.** & Rayner, K. (2014) Eye movements when viewing advertisements. *Frontiers in Psychology*, 5, DOI: 10.3389/fpsyg.2014.00210
- Leinenger, M.** & Rayner, K. (2013). Eye movements while reading biased homographs: Effects of prior encounter and biasing context on reducing the subordinate bias effect. *Journal of Cognitive Psychology*, 25, 665-681.
- Becker, M.W. & **Leinenger, M.** (2011). Attentional selection is biased toward mood-congruent stimuli. *Emotion*, 11, 1248-1254.

Book Chapters & Encyclopedia Entries

- Leinenger, M.** & Rayner, K. (2017). What we know about skilled, beginning, and older readers from monitoring their eye movements: Implications for teaching reading. In J. A. León & I. Escudero (Eds.) *Reading Comprehension in Educational Settings* (pp. 1-27). Amsterdam, The Netherlands: John Benjamins.
- Leinenger, M.**, Schotter, E. R., & Rayner, K. (2016). Models of the reading process. In H. Miller (Ed.) *Encyclopedia of theory in psychology*. SAGE.
- Leinenger, M.**, & Rayner K. (2015) Eye movements and visual attention during reading. In J. Fawcett, E. F. Risko, & A. Kingstone (Eds.) *The Handbook of Attention*. Cambridge, MA: The MIT Press.

Manuscripts in Preparation or Under Review

- *Barker, E., Schotter, E.R., **Leinenger, M.** (submitted). How sight-singing strategies differ between voice types: Evidence from production errors.
- Leinenger, M.** (in prep). The time course of phonological coding in deaf readers: Evidence from survival analyses of eye movements.
- Leinenger, M.** (in prep). Effects of phonemic decoding ability and reading skill on the time course of phonological coding during reading.
- *Barker, E., Schotter, E.R., **Leinenger, M.** (in prep). The effect of pitch complexity on eye movements during musical sight-reading.
- Leinenger, M.** & *Farrell, M. (in prep). The perceptual span in silent and oral reading: evidence for the importance of information to the left of fixation.

Data Collections

- Rayner, K., Abbott, M. J., Schotter, E. R., Belanger, N. N., Higgins, E. C., **Leinenger, M.**, von der Malsburg, T. Plummer, P. (2015). Keith Rayner Eye Movements in Reading Data Collection. UC San Diego Library Digital Collections.
<http://dx.doi.org/10.6075/J0JW8BSV>

Invited Talks

- Leinenger, M.** (2018). Exploring the relationship between individual language skills and the use of phonological coding during silent reading. *University of Turku, Turku, Finland.*
- Leinenger, M.** (2017). The voice of silent reading: Eye movements reveal the importance of phonological coding during reading. *Denison Science Association, Granville, OH.*
- Leinenger, M.** & Rayner, K. (2012). Reducing the subordinate bias effect in reading: Evidence from eye movements. *China International Conference on Eye Movements, Dalian, China.*

Spoken Presentations

- Leinenger, M.** (2017). Effects of individual language skills on phonological coding during skilled reading: Evidence from survival analyses of eye movement data. *European Conference on Eye Movements, Wuppertal, Germany.*
- Leinenger, M.** & Schotter, E. R. (2015). Pushing the boundary of parafoveal processing in reading. *Center for Research in Language, UC San Diego, La Jolla, CA.*
- Leinenger, M.,** Myslín, M., Rayner, K., & Levy, R. (2015). Do resource constraints affect lexical processing? Evidence from eye movements. *European Conference on Eye Movements, Vienna, Austria.*
- Leinenger, M.,** Bélanger, N. N., Slattery, T. J., & Rayner, K. (2013). Eye movements while reading interlingual homographs: The relative influences of semantic and language contexts. *European Conference on Eye Movements, Lund, Sweden.*
- Leinenger, M.** (2009). The comprehension and retention of different text types across languages. *University Undergraduate Research & Arts Forum, Michigan State University, East Lansing, MI.*

Departmental Talks

- Leinenger, M.** & Schotter, E. R. (2015). Pushing the boundary of parafoveal processing in reading. *Cognitive Brownbag, Department of Psychology, UC San Diego, La Jolla, CA.*
- Leinenger, M.** & Abbott, M. J. (2015). Eyetracking Bootcamp: An introduction to eyetracking. *Graduate Student Orientation, Department of Psychology, UC San Diego, La Jolla, CA.*
- Leinenger, M.,** Bélanger, N. N., Slattery, T. J., & Rayner, K. (2013). Eye movements while reading interlingual homographs: The relative influences of semantic and language contexts. *Cognitive Brownbag, Department of Psychology, UC San Diego, La Jolla, CA.*
- Leinenger, M.** & Rayner, K. (2012). Reducing the subordinate bias effect in reading. *Graduate Talk Series, Department of Psychology, UC San Diego, La Jolla, CA.*
- Leinenger, M.** & Rayner, K. (2011). When lexical access can be reordered: Reducing the subordinate bias effect via a repetition paradigm. *Little American Psychological Society Meeting, Department of Psychology, UC San Diego, La Jolla, CA.*

Poster Presentations

- Leinenger, M.** & *Farrell, M. (accepted, 2018). The perceptual span across reading tasks: The importance of information to the left of fixation. *Meeting of the Psychonomic Society, New Orleans, LA.*
- Leinenger, M.** (2016). Dissociating the effects of phonemic decoding ability and reading skill on the time course of phonological coding during reading. *Meeting of the Psychonomic Society, Boston, MA.*
- Leinenger, M.** (2015). Investigating the time course of phonological coding during reading. *Meeting of the Psychonomic Society, Chicago, IL.*

- Leinenger, M.,** Myslín, M., Levy, R., & Rayner, K. (2013). Exploring digging-in effects in lexical ambiguity resolution: Evidence from eye movements. *Meeting of the Psychonomic Society, Toronto, Canada.*
- Leinenger, M.** Bélanger, N. N., Slattery, T. J., & Rayner, K. (2012). Bilingual interlingual homograph processing: The relative influences of semantic and language contexts. *Meeting of the Psychonomic Society, Minneapolis, MN.*
- Bélanger, N. N., **Leinenger, M.,** Slattery, T. J., & Rayner, K. (2012). The relative influences of semantic context and language context on bilinguals reading interlingual homographs. *Second Language Research Forum, Pittsburg, PA.*
- Leinenger, M.** & Rayner, K. (2011). When lexical access for ambiguous words can be reordered. *Meeting of the Psychonomic Society, Seattle, WA.*
- Leinenger, M.** & Rayner, K. (2011). When lexical access can be reordered: Reducing the subordinate bias effect via a repetition paradigm. *Architectures and Mechanisms for Language Processing, Paris, France.*
- Leinenger, M.** & Rayner, K. (2011). When lexical access can be reordered: Reducing the subordinate bias effect via a repetition paradigm. *European Conference on Eye Movements, Marseille, France.*

Teaching Experience

Instructor:

Research Methods & Statistics (Spring 2018, Denison)
Psychology of Language (Spring 2018, Denison)
Cognitive Psychology (Fall 2016, 2017, 2018 Denison)
Research in Cognitive Psychology (Fall 2016, 2017, 2018 Denison)
Introduction to Psychology (Spring 2017, Denison; 2014, UCSD)
Cognitive Influences on Reading (Spring 2017, Denison, *Independent Study*)
Psychology of Reading (2016, UCSD)
Psycholinguistics and Cognition Lab (2014-2015, UCSD)
Coordinator: Undergraduate Seminar – Careers in Psychology (2013- 2014, UCSD)
Section Instructor: Statistics (2015, UCSD)

Guest Lectures:

“Psycholinguistics”, (2017, Modern Languages, Denison)
“Sensation and Perception”, (2015, UCSD)
“Lexical Access and Ambiguity”, (2015, UCSD)
“Sex as a Commodity”, (2015, UCSD)
“Eye Movements and Visual Processing”, (2014, UCSD)
“Sign Language”, (2013, UCSD)
“Human Computer Interaction”, (2013, UCSD)
“Category Discrimination”, (2013, UCSD)
“Language”, (2013, 2012, 2010, UCSD)
“Learning”, (2012, UCSD)
“Categories, Heuristics, and Biases”, (2012, UCSD)

Assistantships:

Eating Disorders (2016, UCSD)
Psychology of Language (2015, 2013, UCSD)
Psychology of Human Sexuality (2015, UCSD)

Introduction to Psychology (2015, 2012, UCSD)
Statistics (2015, UCSD)
Engineering Psychology (2014, 2013, UCSD)
Principles of Behavior (2013, UCSD)
Cognitive Psychology (2013, 2012, 2010, UCSD)
Social Cognition (2012, UCSD)
Social Psychology (2011, UCSD)
Personal Ethics at Work (2014, Rady School of Management, UCSD)
Managing Diverse Teams (2014, Rady School of Management, UCSD)
Abnormal Psychology (2008, Michigan State)

Undergraduate Mentoring in Research

Denison University:

Coco Alban '20 (Fall 2017, Spring 2018, Summer 2018, Fall 2018)
Will Rudolph '20 (Spring, 2018, Summer 2018, Fall 2018)
Tyler Duffrin '20 (Fall 2017, Spring 2018, Fall 2018)
Zehan Ge '20 (Spring 2017, Fall 2017, Spring 2018)
Hannah Gibson '19 (Spring 2017)
Megan Farrell '18 (Spring 2017, Summer 2017, Fall 2017, Spring 2018) *Current: M.A. student in Experimental Psychology at Cleveland State University*
EJ Scott '18 (Fall 2017)
Emily Grabauskas '18 (Summer 2017) *Current: M.A. student in mental health counseling and behavioral medicine at Boston University.*
Andrew Grant '18 (Spring 2017, Summer 2017)
Molly Korest '17 (Spring 2017)
Ha Khuong '17 (Spring 2017)

University of California, San Diego:

Emily Barker (2015-2016, Honors Thesis, Norman Anderson Honors Thesis Award for Innovative Contributions to Research) *Current: Ph.D. student, SUNY Buffalo*
Monica Yassear (2015-2016, Bachelor of Science project) *Current: Financial Consultant*
Oscar Arroyo (2015-2016) *Current: Research Assistant, UCSD Neurobiology*
Amaris Martinez (2014-2015, 2015 University of San Diego Summer Internship) *Current: Research Assistant, Stanford School of Medicine*
Ariel Chen (2015) *Current: Optometry student*
Cindy Jia (2014-2015)
Rebecca Yamamoto (2014-2015) *Current: Laboratory Assistant, Pfizer*
Ynez Sun (2013-2014) *Current: MPH candidate, Yale School of Public Health*
Shelby Harvey (2013-2014)

Student Presentations:

Alban, C., Rudolph, W., & **Leinenger, M.** (2018). Predicting reading strategies based on eye movements: Phonological or predictive processing. *Denison Summer Scholars Symposium, Granville, OH.*
Farrell, M. & **Leinenger, M.** (2018). The perceptual span across reading modalities: Silent and Oral Reading. *Annual Meeting of the Midwestern Psychological Association, Chicago, IL.*

- Huyhua, N., Kollin, S., Schwimmer, K., Scott, E. (2018). The effect of State Anxiety on Visual Search Performance. *Annual Meeting of the Midwestern Psychological Association, Psi Chi Session, Chicago, IL.*
- Barker, E., Schotter, E. R., & **Leinenger, M.** (2017). The effect of pitch complexity on eye movements during musical sight-reading. *Psychonomic Society Annual Meeting, Vancouver, Canada.*
- Farrell, M. & **Leinenger, M.** (2017). The perceptual span of oral reading. *Denison Summer Scholars Symposium, Granville, OH.*
- Grabauskas, E. & **Leinenger, M.** (2017). The development of phonological codes in early readers. *Denison Summer Scholars Symposium, Granville, OH.*
- Grant, A. J. & **Leinenger, M.** (2017). Phonological coding in dyslexic readers. *Denison Summer Scholars Symposium, Granville, OH.*
- Barker, E., Schotter, E. R., & **Leinenger, M.** (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.*

Funded Grants

Student & Faculty Summer Research Support:

- Anderson Summer Science Program, Denison University, Summer 2018
Predicting reading strategies based on eye movements: Phonological or predictive processing
Coco Alban & Mallorie Leinenger
Award: \$3500 + Student Support (\$4000 + room & board)
- Anderson Summer Science Program, Denison University, Summer 2018
Using eye tracking to measure phonological coding and predictive strategies during reading
Will Rudolph & Mallorie Leinenger
Award: \$2000 + Student Support (\$4000 + room & board)
- Anderson Summer Science Program, Denison University, Summer 2017
Phonological parafoveal preview in dyslexia
Andrew Grant & Mallorie Leinenger
Award: \$3600 + Student Support (\$3700 + room & board)
- Anderson Summer Science Program, Denison University, Summer 2017
The perceptual span of oral reading
Megan Farrell & Mallorie Leinenger
Award: \$2000 + Student Support (\$3700 + room & board)
- Anderson Summer Science Program, Denison University, Summer 2017
The development of phonological codes in early readers
Emily Grabauskas & Mallorie Leinenger
Award: \$1100 + Student Support (\$2960 + room & board)

Institutional Service

- | | |
|--------------|---|
| 2018-2021 | Denison University Student Research Grants Committee |
| 2017 | Denison University Tuesday Lunch Series Coordinator |
| 2017-2018 | Denison Psychology Department Awards Selection Committee |
| 2017-current | Denison Psychology Department IRB |
| 2017-current | Denison Psychology Department Graduate School Session Coordinator |
| 2014-2015 | UCSD Psychology Department Career Transition Representative |
| 2013-2014 | UCSD Psychology Department Graduate Talk Series Coordinator |

2011-2012 UCSD Psychology Department Colloquium Series Representative

Professional Activities

Ad-hoc Reviewer for:

Biological Psychology

Cognitive Science

CogSci Conference Proceedings

Journal of Experimental Psychology: Learning, Memory, and Cognition

Journal of Media Psychology

Learning and Individual Differences

PLoS ONE

Quarterly Journal of Experimental Psychology

Visual Cognition

Professional Affiliations

Psychonomic Society (Member: 2016-current, Student Member: 2015-2016)

Women in Cognitive Science (Member: 2017-current)

Association for Psychological Science (Member: 2017-current)

Midwestern Psychological Association (Member: 2017-current)

References

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

Professor Simon Liversedge
Department of Psychology
University of Southampton, UK
Highfield Campus
Building 44
SO17 1BJ
S.P.Liversedge@soton.ac.uk
+44(0)238-059-9399

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

Professor John Wixted
Department of Psychology
University of California, San Diego
La Jolla, CA, USA
92093-0109
jwixted@ucsd.edu
(858)534-3956