

# CURRICULUM VITA

## MEGAN H. PAPESH

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Department of Psychology  
P.O. Box 30001, MSC 3452  
New Mexico State University  
Las Cruces, NM 88003

email: [mpapesh@nmsu.edu](mailto:mpapesh@nmsu.edu)  
phone: 575-646-2502  
fax: 575-646-6212  
web: [www.meganpapesh.com](http://www.meganpapesh.com)

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### EDUCATION

- Ph.D., Psychology (2012), Arizona State University, Tempe, Arizona.  
Dissertation: *Source memory revealed through eye movements and pupil dilation.*
- M.A., Psychology (2008), Arizona State University, Tempe, Arizona.
- B.S., Psychology (2005), Baldwin-Wallace College, Berea, Ohio.
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### ACADEMIC EMPLOYMENT

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|-------------------------------|--|
| Assistant Professor           | Department of Psychology, New Mexico State University<br>August 2020 – present |
| Assistant/Associate Professor | Department of Psychology, Louisiana State University<br>August 2012 – 2020     |
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### OTHER PROFESSIONAL ROLES

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|-------------------|---|
| Co-Director       | Discovery Scholars Program, New Mexico State University<br>May 2020 – present |
| Associate Editor  | <i>BMC Psychology</i><br>July 2020 – present                                  |
| Consulting Editor | <i>Psychonomic Bulletin &amp; Review</i><br>2014 – 2020                       |
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### GRANT ACTIVITY

- |   |      |
|---|------|
| NIH, National Cancer Institute, R01   | 2021 |
| <b><i>Failures to detect early-stage cancer:<br/>Perceptual and cognitive challenges in radiology</i></b> |      |
| Role: Principal Investigator, New Mexico State University Consortium                                      |      |
| Principal Investigator: Stephen D. Goldinger (ASU)  |      |
| Total costs: \$3,524,507  |      |
| Proposed Project Period: December 2021 – November 2026  |      |
| Status: Under review  |      |

NIH, NM-INBRE	2021
<i>Cognitive and Contextual Challenges in Image Analysis</i>	
Role: Principal Investigator	
Total costs: \$35,970	
Proposed Project Period: April 2021 – March 2022	
Status: Under review	
NIH, National Eye Institute, R01 Grant	2020
<i>Arousal-Mediated Changes in Human Episodic Memory</i>	
Role: Principal Investigator	
Total costs: \$2,758,600	
Proposed Project Period: April 2021 – April 2026	
Status: revisions in progress	
National Science Foundation	2020
<i>Arousal-Mediated Changes in Human Episodic Memory</i>	
Role: Principal Investigator	
Total costs: \$405,735	
Proposed Project Period: February 2021 – January 2024	
Status: revisions in progress	
NIH, National Eye Institute, R01 Grant	2020
<i>Noradrenergic (LC-NE) Modulation of Human Visual Attention</i>	
Role: Principal Investigator	
Total costs: \$2,784,260	
Proposed Project Period: April 2021 – April 2026	
Status: Revisions in progress	
National Science Foundation	2019
<i>LC-NE Effects on Human Visual Attention Measured via Pupillometry</i>	
Role: Principal Investigator	
Total costs: \$287,820	
Proposed Project Period: August 2020 – July 2023	
Status: Revisions in progress	
LSU Board of Regents, ATLAS Funding	2018
<i>Modern Pupillometry: Cognition, Neuroscience, and Practical Applications</i>	
Total Costs: \$56,502	
Status: Unfunded	
LSU, College of Humanities and Social Sciences, Strategic Enhancement	2018
<i>Psychology Department Bayesian Workshop</i>	
Total costs: \$700 (College, matching funds via Dept.)	
Status: Funded, complete	
NIH, National Institute of Mental Health, R01 Grant	2018
<i>Noradrenergic (LC-NE) Modulation of Human Episodic Memory</i>	

Role: Principal Investigator  
Total costs: \$2,702,688  
Proposed Project Period: July 2018 – June 2023  
Status: Unfunded

U.S. Department of Homeland Security, Transportation Safety Administration 2015

***Using Shared Gaze to Create an Automated Training Model for Search***

Role: Principal Investigator, Louisiana State University Consortium  
Principal Investigator: Dr. Michael C. Hout (NMSU)  
Total costs: \$795,797  
LSU Consortium budget: \$241,604  
Status: Unfunded

NIH, National Institute on Child Health and Human Development, R01 Grant (#1 R01 HD075800-01) 2014

***Cognitive Load in the Bilingual Brain: Insights from Decoupled Reading***

Role: Principal Investigator, Louisiana State University Consortium  
Principal Investigator: Stephen D. Goldinger (ASU)  
Total costs: \$2,505,370  
LSU Consortium budget: \$524,284  
Project Period: January 2014 – December 2019  
Status: Awarded, completed

NIH, National Institute of Aging, R21 Grant 2014

***Cognitive Aging and Monitoring Autobiographical Memory***

Role: Principal Investigator  
Total costs: \$366,464  
Status: Unfunded

U.S. Department of Homeland Security, Transportation Safety Administration 2014

***The Low-Prevalence Effect in Face-to-Photo Matching***

Role: Principal Investigator  
Co-Investigator: Dr. Stephen D. Goldinger (ASU)  
Total costs: \$1,013,944  
Status: Unfunded

LSU, Board of Regents, Traditional Enhancement 2014

***Psychology Department EEG Neuroscience Lab***

Role: Co-investigator  
Principal Investigator: Dr. Sean Lane (LSU)  
Total costs: \$102,000 (approx.)  
Status: Funded

LSU, Office of Research and Economic Development, Faculty Research Grant 2014

***Peering deep: Investigating the intersection between the neurological and psychological to understand human behavior.***

Role: Co-Investigator

Principal Investigator: Dr. Andrew Schwartz (LSU, Business)

Total costs: \$60,000

Status: Unfunded

Louisiana State University, Summer Stipend Program 2013

***Psychophysiological Reflexes as a Pure Index of Memory Strength***

Total costs: \$5000

Status: Awarded, completed

NIH, National Institute of Aging, R01 Grant 2013

***Testing Heuristic Effects in Aging Memory: Pupillary Reflexes in Face Encoding***

Role: Principal Investigator, Louisiana State University Consortium

Principal Investigator: Dr. Stephen D. Goldinger (ASU)

LSU Consortium budget: \$387,340

Status: Unfunded

DARPA, Basic Neuroscience 2012

***Psychophysiological Markers of Overt and Covert Target Detection***

Role: Principal Investigator

Co-Investigators: Drs. Melissa R. Beck (LSU) and Stephen D.

Goldinger (ASU)

Total costs: \$1,175,005

Status: Unfunded

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## AWARDS

Tiger Athletic Foundation Undergraduate Teaching Award 2014, 2019

Rising Star, Association for Psychological Science 2016

Emerging Scholar Rainmaker Award, Louisiana State University 2015

Robert B. Cialdini Dissertation Prize in Psychology, Arizona State University 2011

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## IMPACT / CITATIONS (SOURCE: [GOOGLE SCHOLAR](#); DEC 2020)

Citations: 1300      h-index: 17      i10-index: 18

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## PUBLICATIONS (GRADUATE STUDENT AUTHORS DENOTED BY \*; UNDERGRADUATES DENOTED BY \*\*)

**Papesh, M. H.,** Hout, M. C., \*Guevara Pinto, J. D, Robbins, A., & \*\*Lopez, A. (in press). Eye movements reflect expertise development in hybrid search. In press at: *Cognitive Research: Principles and Implications*.

- \*Guevara Pinto, J. D., **Papesh, M. H.**, & Hout, M. C. (2020). The detail is in the difficulty: Challenging search facilitates rich incidental object encoding. *Memory & Cognition*. doi: 10.3758/s13421-020-01051-3
- Urgolites, Z., Wixted, J. T., Goldinger, S. D., **Papesh, M. H.**, Squire, L. R., Smith, K. A., Treiman, D. T., & Steinmetz, P. N. (2020). Spiking activity in the human hippocampus prior to encoding predicts subsequent memory. *Proceedings of the National Academy of Sciences*, *117*(24), 13767-13770. doi: 10.1073/pnas.2001338117
- \*Moen, K. C., \*Guevara-Pinto, J. D., **Papesh, M. H.**, & Beck, M. R. (2019). Not all information in visual working memory is forgotten equally. *Consciousness and Cognition*, *74*, 102782
- Papesh, M. H.** & \*Guevara Pinto, J. D. (2019). Spotting rare items makes the brain “blink” harder: Evidence from pupillometry. *Attention, Perception, & Psychophysics*, *81*, 2635-2647.
- Papesh, M. H.**, Hicks, J. L., & \*Guevara-Pinto, J. D. (2019). Retrieval dynamics of recognition and rejection. *Quarterly Journal of Experimental Psychology*, *72*, 2328-2341.
- \*Guevara Pinto, J. D. & **Papesh, M. H.** (2019). Incidental memory in rapid serial visual search: The role of attention allocation strategies. *Journal of Experimental Psychology: Human Perception and Performance*, *45*, 1174-1190.
- Hicks, J.L., \*Spitler, S., & **Papesh, M. H.** (2019). Response dynamics of event-based prospective memory retrieval. *Memory & Cognition*, *47*, 923-935.
- Papesh, M. H.**, \*Heisick, L. L., & \*\*Warner, K. M. (2018). The low-prevalence effect in unfamiliar face-matching: The roles of feedback and criterion shifting. *Journal of Experimental Psychology: Applied*, *24*, 416-430.  
<http://dx.doi.org/10.1037/xap0000156>
- \*Cash, D., \*Heisick, L. L., & **Papesh, M. H.** (2018). Expectancy effects in the Autonomous Sensory Meridian Response. *PeerJ*, *6*:e5229 <https://doi.org/10.7717/peerj.5229>
- Papesh, M. H.** (2018). Photo ID verification remains challenging despite years of practice. *Cognitive Research: Principles and Implications*, *3*:19.  
<https://doi.org/10.1186/s41235-018-0110-y>
- Wixted, J. T., Goldinger, S. D., Squire, L. R., Kuhn, J., **Papesh, M. H.**, Smith, K. A., Treiman, D. T., & Steinmetz, P. N. (2018). Coding of episodic memory in the human hippocampus. *Proceedings of the National Academy of Sciences*, *115*, 1093-1098.

- \*Acklin, D. & **Papesh, M. H.** (2017). Modern speed-reading apps do not foster reading comprehension. *American Journal of Psychology*, *130*, 183-199. doi: 10.5406/amerjpsyc.130.2.0183
- Goldinger, S. D., **Papesh, M. H.**, Barnhart, A. B., Hansen, W. A., & Hout, M. C. (2016). The poverty of embodied cognition. *Psychonomic Bulletin & Review*, *23*, 959-978. doi: 10.3758/s13423-015-0860-1
- Papesh, M. H.**, Goldinger, S. D., & Hout, M. C. (2016). Eye movements reveal fast, voice-specific priming. *Journal of Experimental Psychology: General*. doi: 10.1037/xge0000135
- Papesh, M. H.** (2015). Just out of reach: On the reliability of the action-sentence compatibility effect. *Journal of Experimental Psychology: General*, *144*, e116-e141. doi: 10.1037/xge0000125
- Valdez, A. B., **Papesh, M. H.**, Treiman, D. M., Smith, K. S., Goldinger, S. D., & Steinmetz, P. N. (2015). Distributed representation of visual objects by single neurons in the human brain. *Journal of Neuroscience*, *35*, 5180-5186. doi: 10.1523/JNEUROSCI.1958-14.2015
- Wixted, J. T., Squire, L. R., Jang, Y., **Papesh, M. H.**, Goldinger, S. D., Smith, K. A., Treiman, D. M., & Steinmetz, P. N. (2014). Sparse and distributed coding of episodic memory in neurons in the human hippocampus. *Proceedings of the National Academy of Sciences*. [www.pnas.org/cgi/doi/10.1073/pnas.1408365111](http://www.pnas.org/cgi/doi/10.1073/pnas.1408365111)
- Papesh, M. H.**, & Goldinger, S. D. (2014). Infrequent identity mismatches are frequently undetected. *Attention, Perception, & Psychophysics*, *76*, 1335-1349. doi: 10.3758/s13414-014-0630-6
- Hout, M. C., **Papesh, M. H.**, & Goldinger, S. D. (2013). Multidimensional Scaling. *WIREs Cognitive Science*, *4*, 93-103. doi: 10.1002/wcs.1203
- Papesh, M. H.**, & Goldinger, S. D. (2012). Memory in motion: Movement dynamics reveal memory strength. *Psychonomic Bulletin & Review*, *19*, 906-913. doi: 10.3758/s13423-012-0281-3
- Goldinger, S. D. & **Papesh, M. H.** (2012). Pupil dilation reflects the creation and retrieval of memories. *Current Directions in Psychological Science*, *21*, 90-95.
- Papesh, M. H.** & Goldinger, S. D. (2012). Pupil-blah-metry: Cognitive indices of attentional dynamics in delayed naming. *Attention, Perception, and Psychophysics*, *74*, 754-765. doi: 10.3758/s13414-011-0263-y
- Papesh, M. H.**, Goldinger, S. D., & Hout, M. C. (2012). Memory strength and specificity revealed by pupillometry. *International Journal of Psychophysiology*, *83*, 56-64. doi: 10.1016/j.ijpsycho.2011.10.002

**Papesh, M. H. & Goldinger, S. D. (2010).** A multidimensional scaling analysis of own- and cross-race face spaces. *Cognition*, *116*, 283-288. doi: 10.1016/j.cognition.2010.05.001

Goldinger, S. D., He, Y., & **Papesh, M. H. (2009).** Deficits in cross-race face learning: Insights from eye-movements and pupillometry. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *35*, 1105-1122. doi: 10.1037/a0016548

**Papesh, M. H. & Goldinger, S. D. (2009).** Deficits in cross-race face recognition: No evidence for encoding-based effects. *Canadian Journal of Experimental Psychology*, *64*, 253-262. doi: 10.1037/a0015802

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## BOOKS

**Papesh, M. H. & Goldinger, S. D. (Eds.; in preparation).** *Modern Pupillometry: Cognition, Neuroscience, and Practical Applications*. Springer.

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## EDITED VOLUME CHAPTERS

**Papesh, M. H., & Goldinger, S. D. (2015).** Pupillometry and Memory: External Signals of Metacognitive Control. In Gendolla, G.H.E, Tops, M., & Koole, S. (Eds.), *Handbook of Biobehavioral Approaches to Self-Regulation*. NY: Springer. Pp. 125-139.

**Papesh, M. H. & Goldinger, S. D. (2013).** Recollection is fast and easy: Pupillometric studies of face memory. In B. Ross (Ed.), *The Psychology of Learning and Motivation, Vol. 59*, pp. 191-222.

**Papesh, M. H., & Goldinger, S. D. (2011).** Your effort is showing! Pupil dilation reveals memory heuristics. In P. Higham & J. Leboe (Eds.), *Constructions of Remembering and Metacognition* (pp. 215-224). Palgrave Macmillan.

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## OTHER SCIENTIFIC WRITING

Guevara Pinto, J.D., **Papesh, M.H., & Hout, M.C. (in press).** Learning by accident: Sometimes memory errors are not totally wrong. In press at: *Frontiers for Young Minds*.

**Papesh, M. H. (2014, March 24).** How hard is it to catch a fake passport? *Scientific American Mind Guest Blog*: <http://blogs.scientificamerican.com/mind-guest-blog/2014/03/24/how-hard-is-it-to-catch-a-fake-passport/>

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## PUBLISHED SUMMARIES

Sabik, M., Scarince, C., **Papesh, M.H.**, Godwin, H., Goldinger, S., & Hout, M. (2016). Rare targets induce less perceptual readiness: Evidence from pupillometry. *Journal of Vision*, 16(12), 1162-1162.

Hout, M. C., **Papesh, M. H.**, & Goldinger, S. D. (2012). RSVP Pupilometry: Incidental memory and psychophysiology in rapid-serial multiple-target search. Summary published in Vision Sciences Society (VSS) 2012 Conference Report, *Visual Cognition*, 12, 1151.

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## RESEARCH COVERAGE IN POPULAR MEDIA

Adame, A. (2020). NMSU psychology professor researches brain's 'ready to remember' mode. *Las Cruces Sun*.

Bergland, C. (2020). The human brain has a "ready to remember" mode. *Psychology Today*, <https://www.psychologytoday.com/za/blog/the-athletes-way/202006/the-human-brain-has-ready-remember-mode>

Johnson, C. K. (2019, February 1). Science says: Can a Super Bowl ad give you brain tingles? *AP News*. <https://apnews.com/0ae4283c09394902adfcf9291d4e67eb>

Goldhill, O. (2019, January 16). The replication crisis is killing psychologists' theory of how the body influences the mind. *Quartz*. <https://qz.com/1525854/psychologists-replication-crisis-is-debunking-embodied-cognition-theory/>

Brueck, H. (2018, March 26). Stormy Daniels' pupils dilated during her '60 Minutes' interview – here's why her irises might have changed shape. *Business Insider*. <https://www.businessinsider.com/stormy-daniels-do-dilated-pupils-mean-youre-on-drugs-2018-3>

Quenqua, D. (2014, June 23). Where personal memories take root. *The New York Times*. [http://www.nytimes.com/2014/06/24/science/where-personal-memories-take-root.html?\\_r=1](http://www.nytimes.com/2014/06/24/science/where-personal-memories-take-root.html?_r=1)

Mohan, G. (2014, June 16). What did you do today? Your brain 'remembers' it cell by cell. *The Los Angeles Times*. <http://www.latimes.com/science/sciencenow/la-sci-sn-brain-memory-cell-20140616-story.html>

**Papesh, M. H.** (2014, March 16). Interview by Arun Rath [audio podcast]. Photo identification: The 'best and worst way' to ID people. *NPR, All Things Considered*. <http://www.npr.org/2014/03/16/290677528/photo-identification-the-best-and-worst-way-to-id-people>



Askt, D. (2014, March 14). The face of our ID problem. *The Wall Street Journal*.  
<http://online.wsj.com/news/articles/SB10001424052702303730804579435624281668950>

**Papesh, M. H.** (2014, March 12). Interview by R. Buchanan [video recording]. Matching faces to IDs fails often. *WBRZ, Baton Rouge*.  
<http://www.wbrz.com/videos/study-matching-faces-to-ids-fails-often/>

No author indicated. (2014, March 12). Matching faces to IDs fails often. *The Huffington Post*. [http://www.huffingtonpost.com/2014/03/12/face-matching-errors\\_n\\_4949507.html](http://www.huffingtonpost.com/2014/03/12/face-matching-errors_n_4949507.html)

**Papesh, M. H.** (2014, March 12). Interview by Kevin Gallagher and Brian Haldance [audio podcast]. *The Talk, 107.3 Baton Rouge*.  
<http://www.talk1073.com/home/news/185195-LSU-research-shows-face-matching-for-passports-and-IDs-incredibly-fallible.html>

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## SUBMITTED MANUSCRIPTS / MANUSCRIPTS IN REVISION

Valdez, A. B., **Papesh, M. H.**, Treiman, D. M., Goldinger, S. D., & Steinmetz, P. N. (revisions under review). Race-responsive neurons in the human brain. Revisions being prepared for: *Proceedings of the National Academy of Sciences*.

Guevara Pinto, J.D., **Papesh, M.H.**, & Hicks, J.L. (revise and resubmit). Flexible attention allocation dynamically impacts incidental encoding in prospective memory. Revisions being prepared for: *Memory & Cognition*.

\*Guevara Pinto, J. D. & **Papesh, M. H.** (revisions in progress). Rare visual search targets are less noticeable, even when search is over. Reviewed at: *Cognition*.

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## MANUSCRIPTS IN PREPARATION

### Empirical Manuscripts in Preparation (all data collected)

**Papesh, M. H.** & \*Heisick, L. L. (in preparation). The role of global/local processing biases in unfamiliar face-matching.

**Papesh, M. H.**, Starns, J., & Hicks, J. L. (in preparation). Strength-based mirror effects in memory: Mouse tracking criterion shifts.

**Papesh, M. H.**, Goldinger, S. D., Suk, H. W., & \*Heisick, L. L. (in preparation). Recollection is fast and automatic: Evidence from eye movements and pupillometry.

**Papesh, M. H.** (in preparation). Only spontaneous eye movements ‘to nothing’ facilitate memory.

Cash, D. K., Guevara Pinto, J. D., & **Papesh, M. H.** (in preparation). Knowing what you don’t know: How memory is used to appreciate novelty.

## Non-Empirical Manuscripts in Preparation

\*\*Hernandez, F., \*\*Welsh, J., & **Papesh, M. H.** (in preparation). Biases in the brain.

\*Thomas, A-F. & **Papesh, M. H.** (in preparation). Why are we so scent-imental?  
Studying the effects of odor-evoked memories on our lives

\*Thoksakis, A. & **Papesh, M. H.** (in preparation). Why some people see, hear, or feel ghostly presences

\*Skulsky, R. & **Papesh, M. H.** (in preparation). Hearing colors and tasting sounds: How the brain crosses sensory experiences

\*Sanchez Pena, D. A. **Papesh, M. H.** (in preparation). How do we use knowledge to listen?

\*Jensen, K. & **Papesh, M. H.** (in preparation). How shadows trick our brains into seeing 3D objects

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## INVITED TALKS

**Papesh, M. H.** (2019). Hiding in plain sight. *Invited talk presented at PechaKucha Night in Baton Rouge, LA (February, 2019)*. <https://www.pechakucha.com/cities/baton-rouge/presentations/hiding-in-plain-sight>

**Papesh, M. H.** (2018). Paradoxes of perception: How statistical learning affects what people see and remember. *Invited talk presented at Macquarie University, in Sydney, Australia (August, 2018)*.

**Papesh, M. H.** (2018). How do I know you? *Invited talk presented at LSU Science Café, in Baton Rouge, LA (June, 2018)*.

**Papesh, M. H.** (2018). Evidence and causes of cross-racial impairment. *Invited talk presented at the North Carolina Racial Equity Network Training Session, in Chapel Hill, NC (March, 2018)*.

**Papesh, M. H.** (2017). Identity verification: Best practices in unfamiliar face identification. *Invited talk presented at the Annual Education Conference of the Organization of Notaries Public, in Bangor, ME (April, 2017)*.

- Papesh, M. H.** (2016). Single-cell studies of human episodic and semantic memory. *Invited talk presented at Tulane University (October, 2016).*
- Papesh, M.H.** (2015). The challenges of unfamiliar face matching. *Invited talk presented at National Notary Association Conference in Orlando, FL (June, 2015).*
- Papesh, M.H.** (2014). The low-prevalence effect in photo-ID verification. *Invited talk presented at Kwansai Gakuin University (September, 2014).*
- Papesh, M. H.** (2010). Memory revealed through physiology: The appeal of pupillometry to cognitive psychology. *Presentation given at the University of Pittsburgh (April, 2010).*
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## WORKSHOPS

- Papesh, M. H.** (2020). Publishing Scholarly Work. *Workshop presented virtually to El Paso Community College (November, 2020).*
- Papesh, M. H.** (2020). Discovery Scholars Program: Applying for an NSF Graduate Research Fellowship. *Five-week workshop virtually held at NMSU (September – October, 2020).*
- Papesh, M. H.** (2016). Preventing fraud through identity verification. *Invited workshops delivered at the National Notary Association Conference in Orange County, CA (June, 2016).*
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## INTERNATIONAL PRESENTATIONS

- Papesh, M. H.** (2016). The science behind identity verification. *Keynote address delivered at the Annual Meeting of BC Notaries in Whistler, BC (April, 2016).*
- Papesh, M. H. & Goldinger, S. D.** (2014). Pupil dilation reveals cognitive effort, and cognitive effortlessness. *Paper presented at the 17<sup>th</sup> World Congress of Psychophysiology Meeting in Hiroshima, Japan (September, 2014).*
- Papesh, M. H. & Goldinger, S. D.** (2011). The own-race bias is revealed by eye movements across converging memory procedures. *Paper presented at the 16<sup>th</sup> European Conference on Eye Movements in Marseille, France (August, 2011).*
- Papesh, M. H. & Goldinger, S. D.** (2011). The own-race bias in face perception: The role of cognitive demand. *Paper presented at the 5<sup>th</sup> International Conference on Memory, York, England (July, 2011).*

- Papesh, M. H.** & Goldinger, S.D. (2010). The eyes have it: Recollection from episodic memory as a fast, automatic process. *Poster presented at the 15<sup>th</sup> World Congress of Psychophysiology Meeting in Budapest, Hungary (September, 2010).*
- Goldinger, S.D. & **Papesh, M. H.** (2009). Pupil dilation as an index of cognitive effort. *Poster presented at the Annual Meeting of the Society for Psychophysiological Research in Berlin, Germany (October, 2009).*
- Papesh, M. H.** & Goldinger, S.D. (2009). Exploring specificity effects in compound audio-visual memory. *Poster presented at the European Society for Cognitive Psychology conference in Krakow, Poland (September, 2009).*
- Papesh, M. H.** & Goldinger, S. D. (2008). Deficits in other-race face recognition: No evidence for encoding-based effects. *Poster presented at the Experimental Psychology Society conference at The University of Liverpool (April, 2008).*

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## DOMESTIC PRESENTATIONS

- Bartels, M., Beyer, K., Maitland, A., Taft Peterson, R., Goldinger, S.D., **Papesh, M.H.**, Kundranda, M., Koo, P. J., Dragovich, T., & Chang, J.C. (2021). Characterization of undiagnosed pancreatic ductal adenocarcinoma on CT scans. *Poster to be presented at the (virtual) Annual Meeting of the Gastrointestinal Cancers Symposium (January, 2021).*
- Cash, D. K. & **Papesh, M. H.** (2020). Alternative assessments of memory: Ecphoric confidence versus anchored confidence. *Poster presented at the Annual Meeting of the Psychonomic Society Virtual Meeting (November, 2020).*
- Papesh, M. H.** & Guevara Pinto, J.D. (2019). Low-prevalence search shrinks the functional viewing field. *Paper presented at the Annual Meeting of the Psychonomic Society in Montreal, Canada (November, 2019).*
- \*Guevara-Pinto, J.D. & **Papesh, M.H.** (2019). Leveling the viewing field: The influence of target prevalence on the attentional window. *Poster presented at the Annual Meeting of the Vision Sciences Society in St. Petersburg, Florida (May 2019).*
- \*\*Dickson, N., \*Cash, D. K. & Papesh, M.H. (2019). Remembering and rejecting: Not just two sides of the same coin. *Poster presented at the annual meeting of the Southeastern Psychological Association in Jacksonville, FL (March, 2019).*
- \*Guevara Pinto, J. D., Hicks, J. L., & **Papesh, M. H.** (2018). Remembering to remember (and remembering other stuff too!): Incidental encoding in prospective memory. *Poster presented at the Annual Meeting of the Psychonomic Society in New Orleans, LA (November, 2018).*

- \*Guevara Pinto, J. D. & **Papesh, M. H.** (2018). Spotting rare targets makes your brain “blink” longer, and your pupils grow larger. *Poster presented at the annual meeting of the Objects, Perception, Attention, and Memory Meeting in New Orleans (November, 2018).*
- \*Cash, D. K. & Papesh, M.H. (2018). Knowing not: Similarities (and dissimilarities) between rejecting and remembering. *Poster presented at the annual meeting of the Objects, Perception, Attention, and Memory Meeting in New Orleans (November, 2018).*
- Moen, K. C., \*Guevara Pinto, J. D., **Papesh, M. H.**, & Beck, M. R. (2018). Feature vs Identity: Directed forgetting in visual working memory. *Poster presented at the annual Object Perception, Attention, and Memory (OPAM) conference in New Orleans, LA (November, 2018).*
- Wixted, J.T., Squire, L.R., **Papesh, M.H.**, Goldinger, S.D., & Steinmetz, P.N. (2018). Time course of the development of episodic memory signals in the human hippocampus. *Paper presented at the Annual Meeting of the Society for Neuroscience in San Diego, CA.*
- \*Guevara-Pinto, J., **Papesh, M.H.**, Hout, M.C., & Goldinger, S.D. (2018). Enhanced distractor memory following difficult search: The role of attention allocation in incidental encoding. *Poster presented at the Annual Meeting of the Vision Sciences Society in St. Petersburg, Florida (May 2018).*
- \*\*Lass, M., \*Guevara Pinto, J. D., & **Papesh, M. H.** (2018). The unrecognized benefits of attention allocation in prospective memory. *Poster presented at the Annual Meeting of the Southeastern Psychological Association in Charleston, SC (March 2018).*
- \*\*Walker, M. & **Papesh, M. H.** (2018). Impact of value on prospective memory performance in face matching. *Poster presented at the Annual Meeting of the Southeastern Psychological Association in Charleston, SC (March 2018).*
- Hicks, J. L., Spitler, S. N., & **Papesh, M. H.** (2018). The after-effects of intentions: Spontaneous retrieval, commission errors, and cost. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Charleston, SC (March 2018).*
- \*Guevara Pinto, J. D. & **Papesh, M. H.** (2017). Low-prevalence target identification depletes attentional resources. *Poster presented at the Annual Meeting of the Psychonomic Society in Vancouver, BC (November, 2017).*
- \*Heisick, L. L., \*Acklin, D., \*Guevara Pinto, J. D. & **Papesh, M. H.** (2017). Implicit versus explicit social classification in unfamiliar face perception. *Poster presented at the Annual Meeting of the Psychonomic Society in Vancouver, BC (November, 2017).*

- Spitler, S. N., Hicks, J. L., & **Papesh, M. H.** (2017). After-effects of canceled intentions and retrieval dynamics in mouse-tracking. *Poster presented at the Annual Meeting of the Psychonomic Society in Vancouver, BC (November, 2017).*
- \*Guevara Pinto, J. D., **Papesh, M. H.**, & \*\*Johnson, A-K. (2017). From mouth to mouse: Mouse-trajectories reveal early voice-specificity effects. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Atlanta, GA (March 2017).*
- \*Heisick, L. L. & **Papesh, M. H.** (2017). Parts versus whole: How does processing bias influence face matching? *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Atlanta, GA (March, 2017).*
- \*Acklin, D. M. & **Papesh, M. H.** (2017). The role of distractor salience in goal-directed action. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Atlanta, GA (March, 2017).*
- \*Guevara Pinto, J. D. & **Papesh, M. H.** (2016). The low-prevalence effect transfers to other tasks. *Poster presented at the Annual Meeting of the Psychonomic Society in Boston, MA (November, 2016).*
- Hout, M. C., Lopez, A., Robbins, A., & **Papesh, M. H.** (2016). Expertise fine-tunes mental representations of targets during challenging visual search. *Poster presented at the Annual Meeting of the Psychonomic Society in Boston, MA (November, 2016).*
- \*Moen, K. M, \*Guevara Pinto, J. D., **Papesh, M. H.**, & Beck, M. R. (2016). Directed forgetting in visual working memory: Detoured, not lost. *Paper presented at the annual Object Perception, Attention, and Memory (OPAM) Conference in Boston, MA (November, 2016).*
- \*Heisick, L. L., \*\*Warner, K. M, & **Papesh, M. H.** (2016). The persistence of the low-prevalence effect in unfamiliar face-matching. *Poster presented at the Annual Meeting of the Psychonomic Society in Boston, MA (November, 2016).*
- \*Acklin, D. M. & **Papesh, M. H.** (2016). Unfamiliar face matching has profound amnesia. *Poster presented at the annual Object Perception, Attention, and Memory (OPAM) Conference in Boston, MA (November, 2016).*
- \*Heisick, L. L. & **Papesh, M. H.** (2016). Cognitive effort or cognitive effortless. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in New Orleans, LA (March 2016).*
- \*Acklin, D. M. & **Papesh, M. H.** (2016). Working memory and text difficulty affect comprehension during RSVP reading. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in New Orleans, LA (March 2016).*

- \*Guevara-Pinto, J. D. & **Papesh, M. H.**, & Hout, M.C. (2016). RSVP search: Typicality effects in an atypical visual search task. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in New Orleans, LA (March 2016).*
- \*Guevara-Pinto, J. D. & **Papesh, M. H.** (2015). Physical retrieval dynamics of unexpected processing fluency. *Poster presented at the Annual Meeting of the Psychonomic Society in Chicago, IL (November, 2015).*
- \*Heisick, L. L. & **Papesh, M. H.** (2015). The perceptual and cognitive challenges of unfamiliar face matching. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Hilton Head, SC (March 2015).*
- \*Guevara-Pinto, J. D. & **Papesh, M. H.** (2015). Retrieval dynamics in memory: The hand-mind connection. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Hilton Head, SC (March 2015).*
- Papesh, M. H.** & \*\*Rausch, C.F. (2014). Context-based criterion shifts in photo-ID verification. *Poster presented at the Annual Meeting of the American Psychology-Law Society in New Orleans, LA (March, 2014).*
- \*\*Heisick, L. & **Papesh, M. H.** (2014). Believe the Lie: Source monitoring errors for repeated lies. *Paper presented at the Annual Meeting of the Southeastern Psychological Association in Nashville, TN (March, 2014).*
- Papesh, M. H.** & Goldinger, S. D. (2013). Exploring the low-prevalence effect in photo-ID verification. *Poster presented at the Annual Meeting of the Psychonomic Society in Toronto, Canada (November, 2013).*
- Hout, M. C., **Papesh, M. H.**, & Goldinger, S. D. (2013). Pupil size reveals template construction and target detection in RSVP search. *Poster to be presented at the Annual Meeting of the Psychonomic Society in Toronto, Canada (November, 2013).*
- Wixted, J. T., **Papesh, M. H.**, Goldinger, S. D., Jang, Y., & Steinmetz, P. N. (2012). Representation of episodic memory strength by single neurons in the human hippocampus. *Paper to be presented at the Annual Meeting of the Psychonomic Society in Minneapolis, MN (November, 2012).*
- Papesh, M. H.** & Goldinger, S. D. (2012). Are eye movements “functional” for memory? *Poster to be presented at the Annual Meeting of the Psychonomic Society in Minneapolis, MN (November, 2012).*
- Papesh, M. H.**, Valdez, A. B., Treiman, D., Smith, K., Goldinger, S. D., & Steinmetz, P. N. (2012). Race-selective neurons in the human brain. *Poster to be presented at the Annual Meeting of the Society for Neuroscience in New Orleans, LA (October, 2012).*

- Wixted, J. T., **Papesh, M. H.**, Goldinger, S. D., & Steinmetz, P. N. (2012). Representation of episodic memory strength by single neurons in the human hippocampus. *Paper to be presented at the Annual Meeting of the Society for Neuroscience in New Orleans, LA (October, 2012).*
- Goldinger, S. D., Valdez, A. B., **Papesh, M. H.**, & Steinmetz, P. N. (2012). Single-neuron responses to emotional expressions in the human brain. *Poster to be presented at the Annual Meeting of the Society for Neuroscience in New Orleans, LA (October, 2012).*
- Hout, M. C., **Papesh, M. H.**, & Goldinger, S. D. (2012). RSVP Pupillometry: Incidental memory and psychophysiology in rapid-serial multiple-target search. *Poster presented at the Vision Sciences Society 2012 Meeting in Naples, Florida (May, 2012).*
- Papesh, M. H.** & Goldinger, S. D. (2011). Response dynamics reveal underlying memory strength. *Poster presented at the Annual Meeting of the Psychonomic Society in Seattle, Washington (November, 2011).*
- Valdez, A. B., **Papesh, M. H.**, Treiman, D., Smith, K., Goldinger, S. D., & Steinmetz, P. N. (2011). Distributed visual representation of objects by single neurons in the human brain. *Paper presented at the Annual Meeting of the Society for Neuroscience in Washington, D.C. (November, 2011).*
- Steinmetz, P. N., **Papesh, M. H.**, Valdez, A., Treiman, D., Smith, K., & Goldinger, S. D. (2011). Single-neuron activity reflects source of memory in the human medial temporal lobe. *Paper presented at the Annual Meeting of the Society for Neuroscience in Washington, D.C. (November, 2011).*
- Papesh, M. H.**, Hout, M.C., & Goldinger, S.D. (2010). Eye movements and pupil dilations reveal fast, voice-specific priming. *Paper presented at the Annual Meeting of the Psychonomic Society in St. Louis, MO (November, 2010).*
- Steinmetz, P.N., Goldinger, S.D., **Papesh, M. H.**, & Treiman, D. (2010). Single-neuron responses in continuous recognition memory for printed words. *Poster presented at the Annual Meeting of the Psychonomic Society in St. Louis, MO (November, 2010).*
- Steinmetz, P.N., Goldinger, S.D., **Papesh, M. H.**, & Treiman, D. (2010). Repetition enhances single neuron responses to word recollection in human anterior cingulate cortex. *Paper presented at the Annual Meeting of the Society for Neuroscience in San Diego, CA (November, 2010).*
- Papesh, M. H.**, Goldinger, S. D., & Killeen, P. R. (2009). Different Places for Identical Faces: Perceptual Space "Shrinks" for Other Races. *Poster presented at the Annual Meeting of the Psychonomic Society in Boston, MA (November, 2009).*



**Papesh, M. H. & Goldinger, S. D. (2009).** Pupil-Blah-Metry: Word frequency reflected in physiology. *Paper presented at the Western Psychology Association conference in Portland, OR (April, 2009).*

**Papesh, M. H. & Goldinger, S. D. (2009).** Fast and frugal is fine: Evidence for the recognition heuristic in city-size judgments. *Poster presented at the Western Psychology Association conference in Portland, OR (April, 2009).*

**Papesh, M. H. & Goldinger, S. D. (2008)** Pupil-blah-metry: Word frequency reflected in cognitive effort. *Poster presented at the Annual Meeting of the Psychonomic Society in Chicago, IL (November, 2008).*

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## TEACHING AND MENTORING

*Note: The “mean evaluation score” scale differs across universities:*

- *LSU ranges from 1 (poor) to 5 (superior)*
- *ASU ranges from 1 (superior) to 5 (poor)*
- *NMSU does not use numeric teaching evaluations*

**Experimental Methods (PSYC 310, New Mexico State University).** *This is a 4-credit undergraduate Psychology course covering core concepts in experimental design and methodology. Students design and conduct team-based research. The course has a laboratory component taught by a graduate student.*

Spring 2021 38 Students

**Cognitive Neuroscience (PSYC 570, New Mexico State University).** *This is graduate Psychology course focused cognitive neuroscience methods, findings, and ways to incorporate them into students’ own research.*

Spring 2021 13 Students

**Sensation and Perception (PSY 522, New Mexico State University).** *This is graduate Psychology course focused the neurobiology and psychology of perception.*

Fall 2020 18 Students

**Physiological Psychology (PSYC 4034, Louisiana State University).** *This is an upper-division Psychology course focused the neurobiological bases of human behavior.*

Spring 2017	130 Students	Mean Evaluation Score: 4.73
Spring 2018	130 Students	Mean Evaluation Score: 4.72
Spring 2019	68 Students	Mean Evaluation Score: 4.80
Fall 2019	60 Students	Mean Evaluation Score: 4.90
Spring 2020	60 Students	Mean Evaluation Score: 4.99

**Memory & Forgetting (PSYC 4033, Louisiana State University).** *This is an upper-division Psychology course focused on fostering a deeper understanding of human memory systems, phenomena, and theory.*

Fall 2012	60 Students	Mean Evaluation Score: 4.75
Spring 2013	98 Students	Mean Evaluation Score: 4.76
Fall 2013	110 Students	Mean Evaluation Score: 4.73
Spring 2014	136 Students	Mean Evaluation Score: 4.77
Fall 2014	93 Students	Mean Evaluation Score: 4.88
Fall 2016	130 Students	Mean Evaluation Score: 4.89
Spring 2017	75 Students	Mean Evaluation Score: 4.81
Fall 2017	98 Students	Mean Evaluation Score: 4.79
Spring 2018	100 Students	Mean Evaluation Score: 4.72
Spring 2020	60 Students	Mean Evaluation Score: 4.99

**Oculomotor Measures of Cognition (PSYC 7938, Louisiana State University).** *This is a seminar course in which students learn to both use and critically evaluate eye-tracking in cognitive science. Students also learn to write in 'grant-speak' by producing the student sections of an NRSA F-mechanism proposal.*

Fall 2015	13 Students	Mean Evaluation Score: 4.63
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**Biological Bases of Behavior (PSYC 7034, Louisiana State University).** *This is a graduate-level course required for all Psychology graduate students focused on the neurobiological underpinnings of human behavior.*

Spring 2015	20 Students	Mean Evaluation Score: 4.89
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**Cognition (PSYC 3030, Louisiana State University).** *This is an upper-division Psychology course focused on broad topics in cognition, including attention/perception, memory systems, language, and reasoning/decision-making.*

Fall 2012	50 Students	Mean Evaluation Score: 4.83
Spring 2013	60 Students	Mean Evaluation Score: 4.82
Fall 2013	71 Students	Mean Evaluation Score: 4.66

**Memory and Cognition (PSY 324, Arizona State University).** *This is an upper-division Psychology course focused on broad topics in cognition, including attention/perception, memory systems, language, and reasoning/decision-making.*

Fall, 2010	50 Students	Mean Evaluation Score: 1.17 <sup>†</sup>
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**Experimental Psychology (PSY 390, Arizona State University).** *This is an upper-division, advanced methods course, in which students design, implement, analyze, and present the results of a mentored experiment.*

Fall 2009	24 Students	Mean Evaluation Score: 1.20 <sup>†</sup>
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<sup>†</sup>Note: For ASU, the “mean evaluation score” ranges from 1 (superior) to 5 (poor).

**PGS 399/PSYC 2999/PSYC 400.** *This is a “research experience” course. No course evaluations are given*

- As of June, 2020, 80+ students have been supervised

**PGS 499/PSYC 4999/PSYC 401.** *This is an advanced research experience course. No course evaluations are given.*

- As of October, 2020, 50+ students have been supervised

### **Student Supervision and Committee Membership:**

#### Dissertation Committees (Chair):

- Juan Guevara Pinto, Louisiana State University (2020)
- Laura Heisick, Louisiana State University (2019)
- Daniella Cash, Louisiana State University (2019)

#### Dissertation Committees (Member):

- Samira Aminihajibashi, University of Oslo (2020)
- Julia Clark, Louisiana State University (2019)
- Katherine Moen, Louisiana State University (2019)
- Jessica McGovern, Louisiana State University (2018)
- Rebecca Goldstein, Louisiana State University (2016)
- Rebecca Horn, Louisiana State University (2014)

#### General Exams Committees (Chair):

- Juan D. Guevara Pinto (2018)
- Laura Heisick (2018)
- Dina Acklin, Louisiana State University (2016, 2017)

#### General Exams Committees (Member):

- Bryan White, New Mexico State University (IP)
- Jordan Sparrow-Antonio, New Mexico State University (IP)
- Dré Goode, New Mexico State University (IP)
- Rebecca Penn, New Mexico State University (IP)
- Sarah Wheat, New Mexico State University (IP)
- Daniella Cash, Louisiana State University (2018)
- Katherine Moen, Louisiana State University (2017)
- Rebecca Goldstein, Louisiana State University (2014)

#### Master’s Thesis Committees (Chair):

- Laura L. Heisick, Louisiana State University (2016)
- Juan D. Guevara Pinto, Louisiana State University (2016)

#### Master’s Thesis Committees (Member):

- Bushra Moussaoui, New Mexico State University (IP)
- Kyle Jensen, New Mexico State University (IP)
- Diego Sanchez Pena, New Mexico State University (IP)

- Harrison Preusse, New Mexico State University (IP)
- Hailey Sandin, New Mexico State University (IP)
- Rebecca Skulsky, New Mexico State University (IP)
- Felicia Chaisson, Louisiana State University (IP)
- Casey Phifer, Arizona State University (2017)
- Bryan Franks, Louisiana State University (2014)
- Dillon Cornett, Louisiana State University (2014)

Intermediate Project Supervisor:

- Kacie Mennie, Louisiana State University (2016-2017)  
*Project Title: Word memory under emotional arousal*
- Ian Comeaux, Louisiana State University (2016-2017)  
*Project Title: Exploring the saccade induced cognitive enhancement effect*
- Dina Acklin, Louisiana State University (2015)  
*Project Title: RSVP Reading and Working Memory*
- Joseph Harris, Louisiana State University (2014)  
*Project Title: Context variability in recognition memory*

Honor's Theses Supervised:

- Jon T Odell, Louisiana State University (2019-2020)  
*Project Title: Socially-shared memories*
- Madeline Walker, Louisiana State University (2017-2018)  
*Project Title: The impact of value-directed remembering on prospective person memory*
- Kayla (Mckenzie) Chutz, Louisiana State University (2017)  
*Project Title: The influence of photo perspective on event memory*
- Karyn Warner, Louisiana State University (2014- 2016)  
*Project Title: The effect of salience on unfamiliar face matching*
- Laura Siqueiros, Louisiana State University (2014- 2016)  
*Project Title: A multidimensional scaling analysis of the own-race bias for voices*
- Brittany Martin, Louisiana State University (2014-2015)  
*Project Title: The dynamics of memory: Using mouse-movements to test single- and dual-process theories*
- Laura Heisick, Louisiana State University (2013-2014)  
*Project Title: Believe the lie: Source monitoring errors for repeated lies*
- Anne Kuni, Arizona State University (2010-2011)  
*Project Title: What is the nature of anti-survival processing?*

Honor's Thesis Committees:

- Katelyn Hardin, Louisiana State University (2019)  
*Project Title: Changes in Salivary Antimicrobial Protein Concentrations in Response to Maximal Exercise in Collegiate Swimmers*
- Alexander Rader, Louisiana State University (2019)  
*Project Title: Expression of Anoctamins 1 and 2 in the Avian Retina*

- Annabeth Madden, Louisiana State University (2018)  
*Project Title: The Effect of Attention Bias Modification on Emotion Regulation*
- Ari Saravia, Louisiana State University (2018)  
*Project Title: Intestinal Microbiome Composition of an Acute in vivo Alzheimer's Disease Rat Model*
- Jordan Renschler, Louisiana State University (2017)  
*Project Title: Localization of the Cystic Fibrosis Transmembrane Conductance Regulator in Retinal Amacrine Cells*

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## PROFESSIONAL SERVICE

### Occasional reviewer:

<i>British Journal of Psychology</i>	<i>Memory &amp; Cognition</i>
<i>Consciousness &amp; Cognition</i>	<i>Perception</i>
<i>Journal of Experimental Psychology: General</i>	<i>Cognitive Neuroscience</i>
<i>Journal of Speech, Language, and Hearing Research</i>	<i>Cognition</i>
<i>International Journal of Psychophysiology</i>	<i>Cognitive Processes</i>
<i>Journal of Experimental Social Psychology</i>	<i>Experimental Psychology</i>
<i>Attention, Perception, &amp; Psychophysics</i>	<i>Psychological Science</i>

### Ad-hoc Grant Reviewer:

*National Science Foundation, 2018, 2020*  
*Israel Science Foundation, 2019*

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## UNIVERSITY AND DEPARTMENTAL SERVICE

### Faculty Supervisor:

- Psychology Club, Louisiana State University (2013 – 2017)
- Psi Chi, Louisiana State University Chapter (2013 – 2017)

### Departmental Committees:

- Policy & Planning Committee, LSU Dept. of Psychology (2013 – 2020)
- Curriculum Assessment Committee, LSU Dept. of Psychology (2014 – 2020)
- Psychology Search Committees
  - LSU Cognitive & Brain Sciences, 2016 (Dr. Heather Lucas)

### Additional University Service:

- LSU Faculty Senate, Department Representative (2018 – 2020)
- Faculty Reviewer, LSU NSF GRFP Workshop (2013)
- Faculty Judge, LSU Undergraduate Research Conference (2012, 2013)
- LSU Sophomore Gold Mentor (2014-2015)
- NM AMP student mentor (Julianna Luna, 2020)
- Bridges Program Mentor (2016)
- LSU STRIPES Lecturer (2017)
- LSU Kickoff, Psychology Representative (September and November 2018)

- Dean's Representative, Non-Psychology milestone committees
  - Masters Committees
    - *Alejandro Ruiz del Sol, English, NMSU (2021)*
  - General Exams Committees
    - *D. Parker Kelley, Comparative Biological Sciences, LSU (2018)*
    - *Dorothy Kemp, Communication, LSU (2018)*
    - *Charlie Lewis, Education, LSU (2017)*
    - *Chantelle Varanado, Speech & Communication, LSU (2014)*
  - Dissertation Committees
    - *Jacob Hiler, Business, LSU (2015)*
    - *Chantelle Varanado, Speech & Communication, LSU (2015)*