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**Vanessa M. Loaiza**


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**Education**


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2010 – 2012	<b>Ph.D.</b> , Cognitive Psychology, Colorado State University, USA
2007 – 2010	<b>M.S.</b> , Cognitive Psychology, Colorado State University, USA
2003 – 2007	<b>B.A.</b> , Psychology (Philosophy minor), Loyola Marymount University, USA

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**Academic Positions**


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2025 – present	<b>Assistant Professor</b> , Colorado State University, USA
2023 – 2024	<b>Senior Lecturer</b> (Associate Professor), University of Sheffield, UK
2019 – 2023	<b>Senior Lecturer</b> (Associate Professor), University of Essex, UK
2015 – 2019	<b>Lecturer</b> (Assistant Professor), University of Essex, UK
2014 – 2015	<b>Post-doctoral Fellow</b> , University of Zurich, Switzerland <b>Guest Lecturer</b> , University of Fribourg, Switzerland
2012 – 2014	<b>Post-doctoral Fellow</b> , University of Fribourg, Switzerland

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**Peer-Reviewed Empirical and Theoretical Publications**


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ORCID: 0000-0002-5000-7089; mentored; † corresponding/senior; 1446 total citations, h-index = 21

1. **Loaiza, V. M.**, Senziani, K., Bartsch, L. M., & Mizrak, E. (in press). What makes a birdbrain tick: Long-term memory drives expertise effects on working memory binding. *Psychology and Aging*. <https://doi.org/10.1037/pag0000952>
2. Myers, S. J., Rhodes, M. G., & **Loaiza, V. M.**† (2025). Judgments of learning (JOLs) impact item memory but not source memory: Insights into JOL reactivity using a multinomial model. (Stage 2 registered report). *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 51(6), 1004-1021. <https://doi.org/10.1037/xlm0001176>
3. Kemp, P. L., **Loaiza, V. M.**, Kelley, C. M., & Wahlheim, C. N. (2024). Correcting fake news headlines after repeated exposure: Memory and perceived accuracy in younger and older adults. *Cognitive Research: Principles and Implications*, 9, 55. <https://doi.org/10.1186/s41235-024-00585-3>
4. Cheung, H. C., Geeraert, N., & **Loaiza, V. M.**† (2024). Evidence against effects of cultural group and prior knowledge on feature binding in working memory. *Journal of Cognition*, 7, 62. <https://doi.org/10.5334/joc.390>
5. **Loaiza, V. M.**, & Souza, A. S. (2024). Active maintenance in working memory reinforces bindings for future retrieval from episodic long-term memory. *Memory & Cognition*, 52, 1999-2021. <https://doi.org/10.3758/s13421-024-01596-7>

6. **Loaiza, V. M., Cheung, H. W., & Goldenhaus-Manning, D. T.** (2024). What you don't know can't hurt you: Retro-cues benefit working memory regardless of prior knowledge in long-term memory. *Psychonomic Bulletin & Review*, 3, 1-12. <https://doi.org/10.3758/s13423-023-02408-w>
7. **Goldenhaus-Manning, D. T., Cooper, N. R., & Loaiza, V. M.†** (2024). Examining the role of attention during feature binding in visuospatial working memory. (Stage 2 registered report). *Attention, Perception, and Psychophysics*, 86, 354-365. <https://doi.org/10.3758/s13414-023-02655-y>
8. **Chao, C. M., Xu, C., Loaiza, V. M., & Rose, N.** (2023). Are latent working memory items retrieved from long-term memory? *Quarterly Journal of Experimental Psychology*, 17470218231217723. <https://doi.org/10.1177/17470218231217723>
9. **Kemp, P. L., Loaiza, V. M., & Wahlheim, C. N.** (2023). Testing can enhance episodic updating in younger and older adults. *Psychology & Aging*, 38, 656-669. <https://psycnet.apa.org/record/2024-04589-001>
10. **Holford, D. L., Tognon, G., Gladwell, V., Murray, K., Nicoll, M., Knox, A., McCloy, R., & Loaiza, V. M.** (2023). Planning engagement with web resources to improve diet quality and break up sedentary time for home-working employees: A mixed methods study. *Journal of Occupational Health Psychology*, 28, 224-238. <https://doi.org/10.1037/ocp0000356>
11. **Roehr-Brackin, K., Loaiza, V. M., & Pavlekov, R.** (2023). Language learning aptitude in older adults. *Journal of the European Second Language Association*, 7, 1-15. <https://doi.org/10.22599/jesla.93>
12. **Loaiza, V. M., Oftinger, A.-L., & Camos, V.** (2023). How does working memory promote traces in episodic memory? *Journal of Cognition*, 6, 1-10. <https://doi.org/10.5334/joc.245>
13. **Zuber, S., Joly-Burra, E., Mahy, C. E. V., Loaiza, V. M., & Kliegel, M.** (2023). Are facet-specific task trainings efficient in improving children's executive functions, and why (they might not be)? A multi-facet latent change score approach. *Journal of Experimental Child Psychology*, 227, 105602. <https://doi.org/10.1016/j.jecp.2022.105602>
14. **Kemp, P. L., Loaiza, V. M., & Wahlheim, C. N.** (2022). Fake news reminders enhance memory and belief accuracy more than labels alone. *Scientific Reports*, 12, 1-13. <https://doi.org/10.1038/s41598-022-25649-6>
15. **Loaiza, V. M., & Souza, A. S.** (2022). The eyes don't have it: Eye movements are unlikely to reflect refreshing in working memory. *PLOS One*, 17. <https://doi.org/10.1371/journal.pone.0271116>
16. **Loaiza, V. M., & Lavilla, E. T.** (2021). Elaborative strategies contribute to the long-term benefits of time in working memory. *Journal of Memory and Language*, 117, 1-17. <https://doi.org/10.1016/j.jml.2020.104205>
17. **Loaiza, V. M., Doherty, C., & Howlett, P.** (2021). The long-term consequences of retrieval demands during working memory. *Memory & Cognition*, 49, 112-126. <https://doi.org/10.3758/s13421-020-01079-5>
18. **Jarjat, G., Ward, G., Hot, P., Portrat, S., & Loaiza, V. M.†** (2021). Distinguishing the impact of age on semantic and non-semantic associations in episodic memory. *Journals of Gerontology, Series B: Psychological Sciences*, 76, 722-731. <https://doi.org/10.1093/geronb/gbaa010>
19. **Loaiza, V. M., & Srokova, S.** (2020). Semantic relatedness corrects the age-related binding deficit in working memory and episodic memory. *Journals of Gerontology, Series B: Psychological Sciences*, 75, 1841-1849. <https://doi.org/10.1093/geronb/gbz055>

20. Bartsch, L. M., **Loaiza, V. M.**, Jäncke, L., Oberauer, K., & Lewis-Peacock, J. A. (2019). Dissociating refreshing and elaboration and their impacts on memory. *NeuroImage*, *199*, 585-597. <https://doi.org/10.1016/j.neuroimage.2019.06.028>
21. **Loaiza, V. M.**, & Halse, S. C. (2019). Where working memory meets long-term memory: The interplay of list length and distractors on memory performance. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *45*, 1455-1472. <https://doi.org/10.1037/xlm0000652>
22. Zuber, S., Ihle, A., **Loaiza, V. M.**, Schnitzspahn, K. M., Stalh, C., Philips, L. H., Kaller, C. P., & Kliegel, M. (2019). Explaining age-differences in working memory: The role of updating, inhibition, and shifting. *Psychology & Neuroscience*, *12*, 191-208. <https://doi.org/10.1037/pne0000151>
23. **Loaiza, V. M.**, & Souza, A. S. (2019). An age-related deficit in preserving the benefits of attention in working memory. *Psychology and Aging*, *34*, 268-281. <https://doi.org/10.1037/pag0000326>
24. Bartsch, L. M., **Loaiza, V. M.**, & Oberauer, K. (2019). Does limited working memory capacity underlie age differences in associative long-term memory? *Psychology and Aging*, *34*, 282-293. <https://doi.org/10.1037/pag0000317>
25. Galli, G., Sirota, M., Gruber, M. J., Ivanof, B. E., Ganesh, J., Materassi, M., Thorpe, A., **Loaiza, V. M.**, Cappelletti, M., & Craik, F. I. M. (2018). Learning facts during aging: The benefits of curiosity. *Experimental Aging Research*, *44*, 311-328. <https://doi.org/10.1080/0361073X.2018.1477355>
26. **Loaiza, V. M.**, & Souza, A. S. (2018). Is refreshing in working memory impaired in older age? Evidence from the retro-cue paradigm. *Annals of the New York Academy of Sciences*, *1424*, 175-189. <https://doi.org/10.1111/nyas.13623>
27. Camos, Johnson, M. R., **Loaiza, V. M.**, Portrat, S., Souza, A. S., & Vergauwe, E. (2018). What is attentional refreshing in working memory? *Annals of the New York Academy of Sciences*, *1424*, 19-32. <https://doi.org/10.1111/nyas.13616>
28. **Loaiza, V. M.**, & Camos, V. (2018). The role of semantic representations in verbal working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*, 863-881. <https://doi.org/10.1037/xlm0000475>
29. **Loaiza, V. M.**, & Borovanska, B. M. (2018). Covert retrieval in working memory impacts the phenomenological characteristics remembered during episodic memory. *Consciousness & Cognition*, *57*, 20-32. <https://doi.org/10.1016/j.concog.2017.11.002>
30. Camos, V., Lagner, P., & **Loaiza, V. M.** (2017). Maintenance of item and order information in verbal working memory. *Memory*, *25*, 953-968. <https://doi.org/10.1080/09658211.2016.1237654>
31. **Loaiza, V. M.**, & Camos, V. (2016). Does controlling for temporal parameters change the levels-of-processing effect in working memory? *Advances in Cognitive Psychology*, *12*, 2-9. <https://doi.org/10.5709/acp-0182-3>
32. **Loaiza, V. M.**, Rhodes, M. G., Camos, V., & McCabe, D. P. (2015). Using the Process Dissociation Procedure to estimate recollection and familiarity in working memory: An experimental and individual differences investigation. *Journal of Cognitive Psychology*, *27*, 844-854. <https://doi.org/10.1080/20445911.2015.1033422>
33. **Loaiza, V. M.**, Rhodes, M. G., & Anglin, J. (2015). The influence of age-related differences in prior knowledge and attentional refreshing opportunities on episodic memory. *Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*, *70*, 729-736. <https://doi.org/10.1093/geronb/gbt119>

34. **Loaiza, V. M.**, Duperreault, K. A., Rhodes, M. G., & McCabe, D. P. (2015). Long-term semantic representations moderate the effect of attentional refreshing on episodic memory. *Psychonomic Bulletin & Review*, 22, 274-280. <https://doi.org/10.3758/s13423-014-0673-7>
35. Lucidi, A., **Loaiza, V.**, Camos, V., & Barrouillet, P. (2014). Assessing working memory capacity through time-constrained elementary activities. *The Journal of General Psychology*, 141, 98-112. <https://doi.org/10.1080/00221309.2013.870121>
36. **Loaiza, V. M.**, & McCabe, D. P. (2013). The influence of aging on attentional refreshing and articulatory rehearsal during working memory on later episodic memory performance. *Aging, Neuropsychology, and Cognition*, 20, 471-493. <https://doi.org/10.1080/13825585.2012.738289>
37. Castel, A. D., Rhodes, M. G., McCabe, D. P., Soderstrom, N. C., & **Loaiza, V. M.** (2012). The fate of being forgotten: Forgotten information is judged as less important. *Quarterly Journal of Experimental Psychology*, 65, 2281-2287. <https://doi.org/10.1080/17470218.2012.739183>
38. **Loaiza, V. M.**, & McCabe, D. P. (2012). Temporal contextual processing in working memory: Evidence from delayed cued recall and delayed free recall tests. *Memory & Cognition*, 40, 191-203. <https://doi.org/10.3758/s13421-011-0148-2>
39. **Loaiza, V. M.**, McCabe, D. P., Youngblood, J. L., Rose, N. S., & Myerson, J. (2011). The influence of levels of processing on recall from working memory and delayed recall tasks. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 1258-1263. <https://doi.org/10.1037/a0023923>

#### Chapters, Reviews, and Editorials

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40. **Loaiza, V. M.**, Souza, A. S., Bartsch, L. M., & Mizrak, E. (forthcoming). The focus within: Interactions of working memory and long-term memory. *The Routledge Handbook of Memory and Cognition*.
41. Morra, S., Howard, S. J., & **Loaiza, V. M.** (2025). Working memory and executive functions: Theoretical advances (special issue editorial). *Journal of Cognition*, 8(1), 15, 1-6. <https://doi.org/10.5334/joc.424>
42. Bartsch, L. M., Fukuda, K., **Loaiza, V. M.**, & Mizrak, E. (2024). The information exchange between working memory and long-term memory (special issue editorial). *Memory & Cognition*, 52, 1-9. <https://doi.org/10.3758/s13421-024-01640-6>
43. **Loaiza, V. M.** (2024). An overview of the hallmarks of cognitive aging. *Current Opinion in Psychology*, 56, 101784. <https://doi.org/10.1016/j.copsy.2023.101784>
44. **Loaiza, V. M.**, & Oberauer, K. (2017). Working memory in older age. In N. A. Pachana (Ed.), *Encyclopedia of Geropsychology*. Springer.
45. McCabe, D. P., & **Loaiza, V.** (2012). Working memory. In S. K. Whitbourne & M. J. Sliwinski (Eds.), *The Wiley-Blackwell Handbook of Adult Development and Aging* (pp. 154-173). Wiley-Blackwell.
46. McCabe, D. P., & **Loaiza, V.** (2010). A unique overview of important issues in cognitive aging. *PsycCritiques*, 55.

#### Manuscripts Under Review

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1. Rhodes, E. L., & **Loaiza, V. M.** (2026). *Out of sight but not out of mind: Examining covert retrieval's role in the McCabe effect*. Stage 1 registered report under review.

2. **Loaiza, V. M.** (2026). *Age differences in intrinsic and extrinsic binding in visual working memory: Similarly deficient yet preserved malleability*. Manuscript invited for resubmission.
3. Ward, G., Cortis Mack, C., Knight, N., & **Loaiza, V. M.** (2026). *Repetition and rehearsal improve serial recall in much the same way they improve free recall*. Manuscript invited for resubmission.
4. Bartsch, L. M., Mizrak, E., & **Loaiza, V. M.** (2026). *Semantic and episodic contributions of long-term memory to working memory in young and older adults*. Manuscript invited for resubmission.

### Manuscripts in Preparation (Data Collected)

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1. **Loaiza, V. M.**, & Zuber, S. (2026). *Does training updating improve working memory in children?* Manuscript in preparation.
2. **Loaiza, V. M.**, & Marshall, A. (2026). *Age differences in the long-term impacts of articulatory rehearsal in working memory*. Manuscript in preparation.
3. **Loaiza, V. M.**, & Howlett, P. (2026). *The roles of attention control and binding in working memory for its relationship with fluid intelligence*. Manuscript in preparation.

### Honors and Awards

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2022	<b>Research Fairy Award</b> , Women of Working Memory (WomWoM)
2015	<b>Best Paper Award</b> , <i>Journal of Cognitive Psychology</i> , €500
2014	<b>Travel and Networking Award for Junior Scientists</b> , Women in Cognitive Science, \$1000
2013	<b>Associate Member Select-Speaker Award</b> , The Psychonomic Society, \$1500
2012	<b>Best Article of the Year</b> , <i>Memory &amp; Cognition</i> , \$1000
2009	<b>Best Scientific Poster</b> , CSU Research Colloquium on Healthy Aging, \$250
2007	<b>McNair Graduate Fellowship</b> , Colorado State University, \$7500
2007	<b>Dr Rose Patricia Walsh Research Award</b> , Loyola Marymount University, \$250

### Funding (Successful Applications)

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2021	<b>Unraveling underlying working memory elements to address age-related decline</b> , PI, Experimental Psychology Society Small Grants, £9,782
2020	<b>A Smart System to Empower Healthy Food Choices</b> , Mentor of awarded postdoctoral fellow Dr. Dawn Liu Holford, ESRC Postdoctoral Fellowship, £127,467
2018	<b>Semantic meaningfulness and memory in older age</b> , PI, Departmental Research Promotion and Impact Fund, University of Essex, £1,851
2018	<b>The impact of befriending programs on the health and well-being of socially isolated adults</b> , Co-PI, Impact Acceleration Account, University of Essex, £1,914
2018	<b>Erasmus+ teaching mobility at Ben Gurion University of the Negev</b> , European Commission, €1,650
2017	<b>Semantic meaningfulness and memory in older age</b> , PI, Departmental Research Promotion and Impact Fund, University of Essex, £1,280
2015	<b>Age-related changes in working memory and long-term episodic memory</b> , PI, Departmental Research Promotion and Impact Fund, University of Essex, £4,968

## Professional Development

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- 2016      **Sixth Annual Bayesian Modeling for Cognitive Science Workshop**  
University of Amsterdam, Netherlands (5 days)
- 2016      **Summer School on Computational and Mathematical Modeling of Cognition**  
Dobbiaco, Italy (14 days)
- 2010      **DAAD Winter School: “Fundamentals of Human Development and Aging”**  
University of Heidelberg, Germany (12 days)

## Scientific Presentations (from the last 10 years, \* denotes invited talk)

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1. **Loaiza, V. M.**, Rhodes, E., Bopp, K., & Morey, C. C. (2025). *How meaning matters for asymmetrical age deficits in working memory: A meta-analysis*. Poster presented at the annual meeting of the Psychonomic Society. Denver, USA.
2. **Loaiza, V. M.** (2025). *How does prior knowledge buffer against age deficits in working memory?* Paper presented at the biennial meeting of the European Society for Cognitive Psychology (ESCOP). Sheffield, UK.
3. **Loaiza, V. M.** & von Bastian, C. C. (2025). *Which working memory updating processes predict the continued influence effect?* Paper presented at the annual meeting of the American Psychological Association (APA). Denver, USA.
4. **Loaiza, V. M.** & von Bastian, C. C. (2024). *Which working memory updating processes predict the continued influence effect?* Paper presented at the annual meeting of the Psychonomic Society. New York, USA.
5. **Loaiza, V. M.** (2024). *Bird is the word: How expertise moderates binding in working memory*. Paper presented at the Geneva Aging Series XII. Geneva, Switzerland.
6. \***Loaiza, V. M.** (2024). *Bird is the word: How expertise moderates binding in working memory*. Paper presented at the International Conference on Working Memory. Leeds, UK.
7. Ward, G., Mack, C. C., Doherty, C., Knight, N., & **Loaiza, V. M.** (2024). *Repetition and rehearsal improve serial recall and free recall*. Poster presented at the International Conference on Working Memory. Leeds, UK.
8. **Loaiza, V. M.** (2023). *The impacts of long-term repetition learning on age-related binding deficits in working memory*. Paper presented as part of an accepted symposium at the biennial meeting of the European Society for Cognitive Psychology (ESCOP). Porto, Portugal.
9. Cheung, H. W., Geeraert, N., & **Loaiza, V. M.** (2023). *The automaticity of feature binding in working memory*. Paper presented as part of an accepted symposium at the biennial meeting of the European Society for Cognitive Psychology (ESCOP). Porto, Portugal.
10. Myers, S., Rhodes, M. G., & **Loaiza, V. M.** (2023). *Exploring source memory to understand the mechanisms of JOL reactivity*. Paper presented as part of an accepted symposium at the annual meeting of the Tagung experimentell arbeitender Psycholog (TeaP). Trier, Germany.

11. Cheung, H. W., Geeraert, N., & **Loaiza, V. M.** (2023). *Do cultural differences and prior knowledge influence feature binding in working memory?* Poster presented at the meeting of the Experimental Psychology Society. London, UK.
12. Goldenhaus-Manning, D. T., Cooper, N., & **Loaiza, V. M.** (2023). *Updating single features in visual working memory.* Poster presented at the meeting of the Experimental Psychology Society. London, UK.
13. **Loaiza, V. M.**, Cheung, H. W., & Goldenhaus-Manning, D. T. (2022). *Does prior knowledge in long-term memory facilitate refreshing in working memory?* Paper presented at the annual meeting of the Psychonomic Society. Boston, USA.
14. Rose, N., Chao, C. M., Xu, C., & **Loaiza, V. M.** (2022). *Are latent working memory items retrieved from long-term memory?* Paper presented at the annual meeting of the Psychonomic Society. Boston, USA.
15. Cheung, H. W., Geeraert, N., & **Loaiza, V. M.** (2022). *The automaticity of feature binding in working memory.* Poster presented at the annual meeting of the Psychonomic Society. Boston, USA.
16. Goldenhaus-Manning, D. T., Cooper, N., & **Loaiza, V. M.** (2022). *Examining the role of attention during feature binding in visuospatial working memory.* Poster presented at the annual meeting of the Psychonomic Society. Boston, USA.
17. Myers, S. J., **Loaiza, V. M.**, Soderstrom, N., & Rhodes, M. G. (2022). *The impact of judgments of learning on item-specific and relational processing.* Poster presented at the annual meeting of the Psychonomic Society. Boston, USA.
18. Kemp, P. L., Garlitch, S. M., **Loaiza, V. M.**, & Wahlheim, C. N. (2022). *A comparison of the effects of reminders and motivated forgetting of fake news on subsequent memory for and beliefs in real news.* Poster presented at the annual meeting of the Psychonomic Society. Boston, USA.
19. **Loaiza, V. M.**, Cheung, H. W., & Goldenhaus-Manning, D. T. (2022). *Does prior knowledge in long-term memory facilitate refreshing in working memory?* Paper presented at the biennial meeting of the European Society for Cognitive Psychology. Lille, France.
20. Cheung, H. W., Geeraert, N., & **Loaiza, V. M.** (2022). *Do cultural differences and prior knowledge influence feature binding in working memory?* Poster presented at the biennial meeting of the European Society for Cognitive Psychology. Lille, France.
21. \***Loaiza, V. M.** (2022). *The reciprocal impacts of working memory and long-term memory.* Talk presented at the (virtual) Mannheim Cognitive Colloquium. Mannheim, Germany.
22. Goldman, A., Kemp, P., **Loaiza, V. M.**, & Wahlheim, C. (2022). *Conflict saliency and fake news reminders improve memory and beliefs.* Poster presented at the annual meeting of the Southeastern Psychological Association. Hilton Head Island, SC, USA.
23. **Loaiza, V. M.**, & Souza, A. S. (2021). *Is active engagement in working memory important for long-term episodic memory?* Paper presented as part of a co-organized symposium at the (virtual) annual meeting of the Psychonomic Society.
24. Goldenhaus-Manning, D. T., Cooper, N. R., & **Loaiza, V. M.** (2021). *Examining the role of attention during feature binding in visuospatial working memory.* Poster presented at the (virtual) annual meeting of the Psychonomic Society.

25. Cheung, H. W., Geeraert, N., **Loaiza, V. M.** (2021). *Do cultural differences and prior knowledge influence feature binding in working memory?* Poster presented at the (virtual) annual meeting of the Psychonomic Society.
26. **Loaiza, V. M.**, & Souza, A. S. (2021). *Tracking eye movements during spontaneous and directed refreshing in working memory.* Talk presented at the (virtual) Working Memory Discussion Meeting.
27. \***Loaiza, V. M.** (2021). *Where is my mind? Attention, strategies, and their influence on (working) memory.* Talk presented at the One World Psychology Research Seminar. Mannheim, Germany.
28. \***Loaiza, V. M.** (2021). *The impacts of instructed and spontaneous maintenance strategies in working memory.* Talk presented at the (virtual) research seminar of the University of Strathclyde. Glasgow, UK.
29. **Loaiza, V. M.** (2020). *Does forgetting in working memory depend on the type of representation?* Poster presented at the (virtual) annual meeting of the Psychonomic Society.
30. **Loaiza, V. M.** (2020). *Does forgetting in working memory depend on the type of representation?* Paper presented at the (virtual) biennial meeting of the European Working Memory Symposium (EWOMS).
31. Sanz Taberner, M., & **Loaiza, V. M.** (2020). *Investigating the differences between the types of bindings underlying working memory.* Poster presented at the (virtual) biennial meeting of the European Working Memory Symposium (EWOMS).
32. **Loaiza, V. M.** (2020). *Does forgetting in working memory depend on the type of representation?* Poster presented at the virtual meeting of the Experimental Psychology Society.
33. **Loaiza, V. M.**, & Souza, A. S. (2019). *Tracking eye movements during spontaneous and directed refreshing.* Paper presented at the annual meeting of the Psychonomic Society. Montreal, Canada.
34. Ward, G., Cortis Mack, C., Doherty, C., Knight, N., & **Loaiza, V. M.** (2019). *Rehearsal improves recall in short-term and working memory.* Paper presented at the annual meeting of the Psychonomic Society. Montreal, Canada.
35. **Loaiza, V. M.**, & Srokova, S. (2019). *Semantic relatedness corrects the age-related binding deficit in working memory and episodic memory.* Poster presented at the biennial meeting of the European Society for Cognitive Psychology (ESCP). Tenerife, Spain.
36. **Loaiza, V. M.**, & Souza, A. S. (2019). *Tracking eye movements during spontaneous and directed refreshing.* Paper presented at the annual Working Memory Discussion Meeting. Yorkshire, UK.
37. Bartsch, L. M., **Loaiza, V. M.**, Jäncke, L., Oberauer, K., & Lewis-Peacock, J. A. (2019). *Dissociating refreshing and elaboration by their neural signatures and their effects on working memory and long-term memory in young and old adults.* Poster presented at the 5<sup>th</sup> International Conference Aging & Cognition. Zurich, Switzerland.
38. Bartsch, L. M., **Loaiza, V. M.**, & Oberauer, K. (2019). *Does limited working memory capacity underlie age differences in associative long-term memory?* Poster presented at the 5<sup>th</sup> International Conference Aging & Cognition. Zurich, Switzerland.
39. \***Loaiza, V. M.** (2018). *What's not working about working memory in older age, and what can be done about it?* Talk presented at the University of Geneva. Geneva, Switzerland.

40. **Loaiza, V. M.** (2018). *Covert retrieval 10 years later: Where are we now and what's next?* Paper presented at the annual meeting of the Psychonomic Society. New Orleans, LA, USA.
41. Bartsch, L. M., **Loaiza, V. M.**, Jäncke, L., Oberauer, K., & Lewis-Peacock, J. A. (2018). *Refreshing and Elaboration are Separable Processes with Distinct Impacts on Working Memory and Long-Term Memory Across the Lifespan*. Poster presented at the annual meeting of the Psychonomic Society. New Orleans, LA, USA.
42. **Loaiza, V. M.**, Doherty, C., & Tomas Lavilla, E. (2018). *Distinguishing the working memory processes that promote long-term retention*. Poster presented at the biennial European Working Memory Symposium. Pavia, Italy.
43. Cortis Mack, C., Doherty, C., Knight, N., **Loaiza, V. M.**, & Ward, G. (2018). *Positive effects of repetition and rehearsal in short-term and working memory tasks*. Poster presented at the biennial European Working Memory Symposium. Pavia, Italy.
44. Bartsch, L. M., **Loaiza, V. M.**, & Oberauer, K. (2018). *Importance of bindings in working memory to age differences in episodic long-term memory*. Paper presented at the biennial European Working Memory Symposium. Pavia, Italy.
45. **Loaiza, V. M.** (2018). *Once More, With Meaning: Correcting Age Differences in Associative Memory*. Talk presented at the 7<sup>th</sup> Geneva Aging Series: Lifespan Perspectives. St. Léger, Switzerland.
46. Bartsch, L. M., **Loaiza, V. M.**, & Oberauer, K. (2018). *Importance of bindings in working memory to age differences in episodic long-term memory*. Poster presented at the biennial meeting of Psychonomics International. Amsterdam, Netherlands.
47. **Loaiza, V. M.**, & Souza, A. S. (2018). *Is refreshing impaired in older age? Evidence from the retro-cue paradigm*. Poster presented at the biennial meeting of the Cognitive Aging Conference. Atlanta, GA, USA.
48. Jarjat, G., **Loaiza, V. M.**, Ward, G., & Portrat, S. (2018). *The use of attentional refreshing in working memory and its impact on age-related differences in episodic memory*. Poster presented at the biennial meeting of the Cognitive Aging Conference. Atlanta, GA, USA.
49. Srokova, S., & **Loaiza, V. M.** (2018). *Semantic relatedness ameliorates the age-related binding deficit in working memory and episodic memory*. Poster presented at the biennial meeting of the Cognitive Aging Conference. Atlanta, GA, USA.
50. \***Loaiza, V. M.** (2018). *Is refreshing impaired in older age?* Keynote presented at the Journées d'Étude du Vieillissement (Study Days of Aging). Chambéry, France.
51. \***Loaiza, V. M.** (2017). *Refreshing/Retrieval in working memory as a mini testing effect*. Talk presented at the Crossroads of Attention in Working Memory Symposium: Consolidation, Refreshing, and Removal. Orvonnaz, Switzerland.
52. Doherty, C., & **Loaiza, V. M.** (2017). *The long-term consequences of retrieval instructions during working memory recall*. Poster presented at the annual meeting of the Psychonomic Society. Vancouver, Canada.

53. Howlett, P., & **Loaiza, V. M.** (2017). *The contributions of attention and binding for individual differences in working memory capacity*. Poster presented at the annual meeting of the Psychonomic Society. Vancouver, Canada.
54. \***Loaiza, V. M.** (2017). *What's not working about working memory in older age?* Talk presented at the Novelty, Repetition, and the Brain workshop. Norwich, United Kingdom.
55. \***Loaiza, V. M.** (2017). *What's not working about working memory in older age?* Talk presented at the University of Warwick. Coventry, United Kingdom.
56. \***Loaiza, V. M.** (2017). *What's not working about working memory in older age?* Talk presented at the University of Bournemouth. Bournemouth, United Kingdom.
57. **Loaiza, V. M.** (2016). *The impact of age and working memory maintenance mechanisms on recollection and familiarity*. Paper presented at the annual meeting of the Psychonomic Society. Boston, MA.
58. Camos, V., Mora, G., **Loaiza, V. M.**, Oftinger, A.-L., & Vergauwe, E. (2016). *Does refreshing operate through retrieval from long-term memory?* Paper presented at the annual meeting of the Psychonomic Society. Boston, MA, USA.
59. **Loaiza, V. M.**, Souza, A., & Oberauer, K. (2016). *The flexibility vs. stability problem: Refreshing and removing bindings in working memory*. Paper presented at the biennial European Working Memory Symposium. Liege, Belgium.
60. Camos, V., Portrat, S., **Loaiza, V. M.**, & Oftinger, A.-L. (2016). *Examining attentional refreshing on episodic memory*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.

## Teaching

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### Undergraduate Level

- |           |                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025-2026 | <b>Research Design and Analysis I</b> , Colorado State University<br>Instructor of large lecture-style course, 120-170 students                          |
| 2023-2024 | <b>Developmental Psychology</b> , University of Sheffield<br>Instructor of large lecture-style team-teaching course, 200+ students                       |
| 2016-2023 | <b>Statistics for second year students</b> , University of Essex<br>Instructor of large lecture-style team-teaching course with workshops, 200+ students |
| 2016-2023 | <b>Cognitive Psychology</b> , University of Essex<br>Instructor of large lecture-style team-teaching course, 200+ students                               |
| 2016-2023 | <b>Psychology of Aging</b> , University of Essex<br>Instructor of large lecture-style team-teaching course with discussions, 100+ students               |
| 2015-2021 | <b>Introduction to Psychology</b> , University of Essex<br>Instructor of large lecture-style team-teaching course, 300+ students                         |
| 2010-2011 | <b>Biological Psychology Laboratory</b> , Colorado State University<br>Instructor of small-group labs, 10+ students                                      |
| 2008-2011 | <b>Cognitive Psychology Laboratory</b> , Colorado State University                                                                                       |

Instructor of small-group labs, 10+ students

### Graduate Level

- 2025 **Computational Modeling of Cognition and Behavior**, Colorado State University  
Instructor of a small lecture/workshop hybrid formatted course, 9 students
- 2024 **Neurocognitive modeling**, University of Sheffield  
Instructor of one small group team-teaching lecture course, 20+ students
- 2016-2023 **Advanced Cognitive Psychology**, University of Essex  
Instructor for large lecture-style team-teaching course, 50+ students
- 2016-2021 **Developmental Psychology & Individual Differences**, University of Essex  
Instructor of one small group team-teaching seminar, 10+ students
- 2015 **Working Memory**, University of Fribourg  
Instructor for small group seminars/lectures, 10+ students
- 2014 **Cognitive Aging**, University of Fribourg  
Instructor for small group seminars/lectures, 10+ students

### Other Teaching Experience

- 2017-2020 **MATLAB and PsychToolbox for Behavioral Scientists**, University of Essex
- 2018-2020 **Data Visualization and Analysis in R**, University of Essex

### Teaching Qualifications

- 2017 **Higher Education Academy**, Fellow

### Advising/Supervising and Mentoring

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#### Mentoring – Postdoctoral Fellows

- 2020 – 2021 Mentor of Dr Dawn Liu Holford, ESRC postdoctoral fellow

#### Advising/Supervising – PhD students

- 2025 – Advisor of graduate student, Emma Rhodes, Colorado State University
- 2023 – 2024 Second supervisor of PhD student, Nada Alsheri, University of Sheffield
- 2020 – 2023 Primary supervisor of PhD student, Hiu Wah “Lily” Cheung, University of Essex
- 2020 – 2023 Primary supervisor of PhD student, David Goldenhaus-Manning, University of Essex
- 2020 – 2023 Supervisor of visiting PhD student, Paige Kemp, University of Essex
- 2020 – 2023 Supervisor of visiting PhD student, Sarah Myers, University of Essex
- 2017 Supervisor of visiting PhD student, Gabriel Jarjat, University of Essex

#### Advising/Supervising – terminal master’s and undergraduate student projects

- 2023 – 2024 Supervisor for 1 master’s degree dissertation, University of Sheffield
- 2023 – 2024 Supervisor for 9 undergraduate dissertations, University of Sheffield

- 2017 – 2023 Supervisor for 9 master’s degree dissertations, University of Essex  
 2015 – 2023 Supervisor for 41 undergraduate dissertations, University of Essex  
 2015 – 2023 Supervisor for 4 collaborative student projects, University of Essex  
 2009 – 2012 Supervisor for 4 collaborative student projects, Colorado State University  
 2008 – 2012 Supervisor for 3 psychology undergraduate senior theses, Colorado State University

## Reviewing

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### Associate Editor

- 2025 – **Journal of Experimental Psychology: Learning, Memory, and Cognition**  
 2024 – **Quarterly Journal of Experimental Psychology**  
 2022 – 2024 **Memory**

### Consulting Editor

- 2019 – **Journal of Memory and Language**  
 2019 – **Journal of Cognition**  
 2020 – 2025 **Journal of Experimental Psychology: Learning, Memory, and Cognition**  
 2016 – 2020 **Frontiers in Psychology: Cognition**

### Special Issue Guest Editor

- 2024 **Journal of Cognition, Working Memory and Executive Functions: Theoretical Advances**  
 2024 **Memory & Cognition, The Information Exchange Between Working Memory and Long-term Memory**

### Ad Hoc Reviewing

*Acta Psychologica; Advances in Cognitive Psychology; AIMS Neuroscience; Annals of the New York Academy of Sciences; Attention, Perception, & Psychophysics; Brain Research; Cognition; Cognitive Processing; Communications Psychology; Cortex; Current Research in Behavioral Sciences; Developmental Science; Experimental Aging Research; Intelligence; International Journal of Psychology; Journal of Cognitive Psychology; Journal of Experimental Psychology: General; Journals of Gerontology: Psychological Sciences; Language and Cognition; Memory; Memory & Cognition; Nature Reviews Psychology; Open Psychology; Peer Community In (PCI) Registered Reports; Perspectives on Psychological Science; PLOS One; Proceedings of the National Academy of Sciences; Psychology & Neuroscience; Psychological Science; Psychophysiology; Psychonomic Bulletin and Review; Scientific Reports*

### Grants and Awards

- College of Reviewers, US National Science Foundation (Perception, Action, and Cognition; 2015 – present)  
 Ad hoc grant reviewer for *National Science Foundation (PAC); The French National Research Agency (ANR); Swiss National Science Foundation (SNF)*  
 Ad hoc reviewer for the Graduate Travel Awards for the Psychonomic Society (2015 – 2019)

## Administrative Roles and Committees

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### University Committees

- 2025 – **Cognitive grad student admissions committee**, Member/Chair, Colorado State University  
 2023 – 2024 **Postgraduate Recruitment and Admissions**, Director, University of Sheffield  
 2019 – 2023 **Open Science Working Group**, Co-Chair, University of Essex  
 2017 – 2021 **Recruitment Events Team**, Director, University of Essex  
 2016 – 2019 **PhD Student Applications Panel**, Member, University of Essex  
 2016 – 2019 **Athena Swan Team**, Member, University of Essex  
 2015 – 2017 **Recruitment Events Team**, Member, University of Essex

### Professional Society Committees

- 2025 **Annual meeting of the American Psychological Society (APA) Division 3**, Co-organizer  
 2023 – 2025 **24<sup>th</sup> Conference of the European Society for Cognitive Psychology (ES COP)**, Co-organizer  
 2020 – 2025 **European Society for Cognitive Psychology (ES COP)**, Executive committee member  
 2020 – 2022 **Psychonomic Society**, External member of the Communications Committee

### PhD Committees

- 2020 – 2023 Maximilien Labaronne, University of Lyon, France.

## Professional Memberships and Affiliations

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- Psychonomic Society, Fellow  
 American Psychological Association (APA)  
 European Society for Cognitive Psychology (ES COP)  
 Women in Cognitive Science (WiCS)  
 Psi Chi National Honors Society in Psychology  
 Women of Working Memory (WomWoM)

## Select Impact and Public Engagement

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- 2017 – 2023 **Age Well East** (formerly Age Concern Colchester), Board of Trustees – Research Trustee  
 02/2023 **BBC**, [New Uni of Essex Alzheimer's study into early dementia](#)  
 01/2022 **BBC Bitesize**, [Expert memory hacks and tips](#)  
 12/2020 **Psychology @ Essex Podcast**, [Memory, ageing, and “fake news”](#)  
 05/2019 **Pint of Science**, Colchester, [Like a Fine Wine: The Science of Successful Ageing](#)  
 10/2018 **Colchester Trinity Rotary Club**, presentation at monthly meeting, Colchester  
 09/2017 **How to Age Well in Colchester**, public conference organized by Age Concern Colchester  
 12/2016 **Conversation**, [Why we become more forgetful with age – and what you can do about it](#)  
 10/2016 **East Anglian Daily Times**, [University of Essex psychologist Vanessa Loaiza has tips to boost our memory](#)

**References**

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