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Present appointment

Reader, University of Bristol, 2009–present

Previous appointments

Senior Lecturer, University of Bristol, 2007–present

Lecturer, University of Bristol, 2003–2007

Postdoctoral Fellow, Roger Ratcliff, Northwestern University, 2001–2003.

Academic qualifications

PhD, Psychology, University of Western Australia, 2002

Dissertation: Similarity-sensitive encoding, reintegration, and response suppression in serial recall.

Supervisor: Stephan Lewandowsky

B Sc (Hons), University of Western Australia, 1997.

Indicators of esteem

Associate Editor, *Journal of Memory and Language* (2009-2011)

Associate Editor, *Quarterly Journal of Experimental Psychology* (2011-)

Awarded the 2009 Paul Bertelson award by the European Society for Cognitive Psychology.

"The [biannual] Paul Bertelson award is designed to honour scientists at a relatively early stage of their scientific career, who have made an outstanding contribution to European Cognitive Psychology."

Publications

Farrell, S. (in press). Serial order memory, computational perspectives. In H. Pashler (Ed.), *Encyclopedia of the mind*. Thousand Oaks, CA: Sage.

Lewandowsky, S., Ecker, U. K. H., Farrell, S., & Brown, G. D. A. (in press). Models of cognition and constraints from neuroscience: A case study involving consolidation. *Australian Journal of Psychology*.

Ludwig, C. J. H., Farrell, S., Ellis, L. A., Hardwicke, T., & Gilchrist, I. D. (in press). Context-gated statistical learning and its role in visual-saccadic decisions. *Journal of Experimental Psychology: General*.

- Oberauer, K., Farrell, S., Jarrold, C., Pasiecznik, K., & Greaves, M. (in press). Interference between maintenance and processing in working memory: The effect of item-distractor similarity in complex span. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Farrell, S., Wise, V., & Lelièvre, A. (2011). Relations between timing, position and grouping in short-term memory. *Memory & Cognition*, *39*, 573–587.
- Farrell, S. (2011). Social influence benefits the wisdom of individuals in the crowd [Letter to the editor]. *Proceedings of the National Academy of Sciences*, *108*, E625.
- Wagenmakers, E. J., Maas, H. L. J. van der, & Farrell, S. (2011). Abstract concepts require concrete models: Why cognitive scientists have not yet embraced nonlinearly coupled, dynamical, self-organized critical, synergistic, scale-free, exquisitely context-sensitive, interaction-dominant, multifractal, interdependent brain-body-niche systems. *Topics in Cognitive Science*.
- Farrell, S. (2010). Dissociating conditional recency in immediate and delayed free recall: A challenge for unitary models of recency. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*, 324–347.
- Farrell, S., Ludwig, C. J. H., Ellis, L. A., & Gilchrist, I. D. (2010). Influence of environmental statistics on inhibition of saccadic return. *Proceedings of the National Academy of Sciences*, *107*, 929–934.
- Farrell, S., & Lewandowsky, S. (2010). Computational models as aids to better reasoning in psychology. *Current Directions in Psychological Science*, *19*, 329–335.
- Lewandowsky, S., & Farrell, S. (2010). *Computational modeling in cognition: Principles and practice*. Thousand Oaks, CA: Sage.
- Farrell, S., & Lelièvre, A. (2009). End anchoring in short-term order memory. *Journal of Memory and Language*, *60*, 209–227.
- Farrell, S., & Lelièvre, A. (2009). Is scanning in probed order recall articulatory? *Quarterly Journal of Experimental Psychology*, *62*, 1843–1858.
- Ludwig, C. J. H., Farrell, S., Ellis, L. A., & Gilchrist, I. D. (2009). The mechanism underlying inhibition of saccadic return. *Cognitive Psychology*, *59*, 180–202.
- Farrell, S. (2008). Multiple roles for time in short-term memory: Evidence from serial recall of order and timing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *34*, 128–145.
- Farrell, S., & Lewandowsky, S. (2008). Empirical and theoretical limits on lag recency in free recall. *Psychonomic Bulletin & Review*, *15*, 1236–1250.
- Farrell, S., & Ludwig, C. J. H. (2008). Bayesian and maximum likelihood estimation of hierarchical response time models. *Psychonomic Bulletin & Review*, *15*, 1209–1217.
- Lewandowsky, S., & Farrell, S. (2008). Phonological similarity in serial recall: Constraints on theories of memory. *Journal of Memory and Language*, *58*, 429–448.
- Lewandowsky, S., & Farrell, S. (2008). Short-term memory: New data and a model. *The psychology of learning and motivation*, *49*, 1–48.
- Farrell, S., & McLaughlin, K. (2007). Short-term recognition memory for serial order and timing. *Memory & Cognition*, *35*, 1724–1734.
- Unterhalter, G., Farrell, S., & Mohr, C. (2007). Selective memory biases for words reflecting gender-specific body image concerns. *Eating Behaviour*, *8*, 382–389.
- Farrell, S., Ratcliff, R., Cherian, A., & Segraves, M. (2006). Modeling unidimensional categorization in monkeys. *Learning & Behavior*, *34*, 86–101.
- Farrell, S. (2006). Mixed-list phonological similarity effects in delayed serial recall. *Journal of Memory and Language*, *55*, 587–600.
- Farrell, S., Wagenmakers, E.-J., & Ratcliff, R. (2006). $1/f$ noise in human cognition: Is it ubiquitous, and what does it mean? *Psychonomic Bulletin & Review*, *13*, 737–741.
- Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2005). Human cognition and a pile of sand: A discussion on

- serial correlations and self-organized criticality. *Journal of Experimental Psychology: General*, 134, 108-116.
- Farrell, S., & Lewandowsky, S. (2004). Modelling transposition latencies: Constraints for theories of serial order memory. *Journal of Memory and Language*, 51, 115-135.
- Wagenmakers, E.-J., & Farrell, S. (2004). AIC model selection using Akaike weights. *Psychonomic Bulletin & Review*, 11, 192-196.
- Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Estimation and interpretation of $1/f^\alpha$ noise in human cognition. *Psychonomic Bulletin & Review*, 11, 579-615.
- Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Naive nonparametric bootstrap model weights are biased. *Biometrics*, 60, 281-3; author reply 283.
- Farrell, S., & Lewandowsky, S. (2003). Dissimilar items benefit from phonological similarity in serial recall. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29, 838-49.
- Farrell, S., & Lewandowsky, S. (2002). An endogenous distributed model of ordering in serial recall. *Psychonomic Bulletin & Review*, 9, 59-79.
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- Lewandowsky, S., & Farrell, S. (2000). A reintegration account of the effects of speech rate, lexicality, and word frequency in immediate serial recall. *Psychological Research*, 63, 163-73.