

Adelman, James Samuel

Contact Details

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Education

Sep. 2002–Sep. 2006	PhD Psychology Visual Word Recognition	University of Warwick
Sep. 1999–May 2002	BSc Combined Honours Mathematics and Psychology, First Class Honours	University of Liverpool

Posts Held

Aug. 2013–	Associate Professor	University of Warwick
Aug. 2010–Jul. 2013	Assistant Professor	University of Warwick
Aug. 2007–Jul. 2010	Research Fellow	University of Warwick
Apr. 2007–Jul. 2007	Associate Fellow	University of Warwick
Dec. 2005–Mar. 2007	Research Fellow	University of Warwick
Sep. 2002–Sep. 2005	Postgraduate Research Fellow	University of Warwick

Awards

2002	Combined Honours Prize (examinations)
2000, 2001	Gibson Sinclair University Scholarships (exam. prize)

Funding Awarded

Mar. 2014–June 2017	Leverhulme Trust, principal investigator	£253,912 (direct costs only) (ca. US\$415,000)
	<i>The easyNet system for implementing and visualizing cognitive models</i>	This (open competition) grant on which I was principal investigator funded one post-doctoral researcher and one PhD student.
Oct. 2007–Oct. 2008	ESRC, principal investigator	£81,075 (80% of FEC) (ca. US\$160,000)
	<i>Information and time in absolute identification</i>	This (open competition) small grant on which I was principal investigator funded one post-doctoral researcher.
Aug. 2007–Jul. 2010	ESRC, principal investigator	£405,705 (80% of FEC) (ca. US\$800,000)
	<i>Individual differences in word naming: Models and data</i>	This (open competition) standard grant funded one post-doctoral researcher (myself as principal investigator) and a research assistant.
Dec. 2005–Nov. 2006	ESRC, co-investigator	£43,743 (direct costs only) (ca. US\$70,000)
	<i>Contextual diversity: Word processing as memory retrieval</i>	This (open competition) small grant with Gordon Brown (who was principal investigator) funded one post-doctoral researcher (myself as co-investigator).

ESRC = Economic and Social Research Council. Exchange rates are contemporary to the awards.

Journal Articles

Student authors or those employed as researchers on one of my funded projects are highlighted in *italics*. <http://www.researcherid.com/rid/E-6977-2011>

- Trifonova, I. V., & Adelman, J. S.* (2019). A delay in processing for repeated letters: Evidence from megastudies. *Cognition, 189*, 227–241.
- Adelman, J. S.,** Estes, Z., & Cossu, M. (2018). Emotional sound symbolism: Languages rapidly signal valence via phonemes. *Cognition, 175*, 122–130
- Trifonova, I. V., & Adelman, J. S.* (2018). The sandwich priming paradigm does not reduce lexical competitor effects. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 44*, 1743–1764.
- Guest, D., Kent, C., & Adelman, J. S.* (2018). The relative importance of perceptual and memory sampling processes in determining the time course of absolute identification. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 44*, 615–630.
- Nash, R. A., Wade, K. A., Garry, M., & **Adelman, J. S.** (2017). A robust preference for cheap-and-easy strategies over reliable strategies when verifying personal memories. *Memory, 25*, 890–899.
- Gubian, M., Davis, C. J., Adelman, J. S., & Bowers, J. S.* (2017). Comparing single-unit recordings taken from a localist model to single-cell recording data: a good match. *Language, Cognition and Neuroscience, 32*, 380–391.
- Guest, D., Adelman, J. S., & Kent, C.* (2016). Relative judgement is relatively difficult: Evidence against the role of relative judgement in absolute identification. *Psychonomic Bulletin & Review, 23*, 922–931.
- Wonnacott, E., Joseph, H., **Adelman, J. S.,** & Nation, K. (2016). Is children’s reading “good enough”? Links between online processing and comprehension as children read syntactically ambiguous sentences. *Quarterly Journal of Experimental Psychology, 69*, 855–879. (ISI citations: 2)
- Adelman, J. S.,** & Estes, Z. (2015). Why to treat subjects as fixed effects. *Journal of Experimental Psychology: Learning, Memory and Cognition, 41*, 1602–1605.
- Estes, Z., Verges, M., & **Adelman, J. S.** (2015). Words, objects, and locations: Perceptual matching explains spatial interference and facilitation. *Journal of Memory and Language, 84*, 167–189. (6)
- Hills, T. T., & **Adelman, J. S.** (2015). Recent evolution of learnability in American English from 1800–2000. *Cognition, 143*, 87–92. (6)
- Adelman, J. S.,** Johnson, R. L., McCormick, S. F., McKague, M., Kinoshita, S., Bowers, J. S., Perry, J. R., Lupker, S. J., Forster, K. I., Cortese, M. J., Scaltritti, M., Aschenbrenner, A. J., Coane, J. H., White, L., Yap, M. J., Davis, C., Kim, J., & Davis, C. J. (2014). A behavioral database for masked form priming. *Behavior Research Methods, 46*, 1052–1067. (16)
- Kent, C., *Guest, D., Adelman, J. S.,* & Lamberts, K. (2014). Stochastic accumulation of feature information in perception and memory. *Frontiers in Psychology, 5*, 412. (4)
- Adelman, J. S.,** *Sabatos-DeVito, M. G., Marquis, S. J., & Estes, Z.* (2014). Individual differences in word naming: A mega-study, item effects and some models. *Cognitive Psychology, 68*, 113–160. (12)
- Adelman, J. S.,** & Estes, Z. (2013). Emotion and memory: A recognition advantage for positive and negative words independent of arousal. *Cognition, 129*, 530–535. (23)
- Adelman, J. S.,** *Marquis, S. J., Sabatos-DeVito, M. G., & Estes, Z.* (2013). The unexplained nature of reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 39*, 1037–1053. (16)
- Adelman, J. S.** (2011). Letters in Time and Retinotopic Space. *Psychological Review, 118*, 570–582. (28)
- Adelman, J. S.,** *Marquis, S. J., & Sabatos-DeVito, M. G.* (2010). Letters in words are read simultaneously, not in left-to-right sequence. *Psychological Science, 21*, 1799–1801. (32)
- Guest, D., Kent, C., & Adelman, J. S.* (2010). Why additional presentations help identify a stimulus. *Journal of Experimental Psychology: Human Perception and Performance, 36*, 1609–1630. (6)
- Adelman, J. S.,** & Brown, G. D. A. (2008). Methods of testing and diagnosing model error: Dual and single route cascaded models of reading aloud. *Journal of Memory and Language, 59*, 524–544. (12)

- Estes, Z., & Adelman, J. S. (2008). Automatic vigilance is categorical and general. *Emotion*, 8, 453–457. (50)
- Estes, Z., & Adelman, J. S. (2008). Automatic vigilance for negative words in lexical decision and naming: Comment on Larsen, Mercer, and Balota (2006). *Emotion*, 8, 441–444. (66)
- Adelman, J. S., & Brown, G. D. A. (2008). Modeling lexical decision: The form of frequency and diversity effects. *Psychological Review*, 115, 214–227. (32)
- Adelman, J. S., & Brown, G. D. A. (2008). Postscript: Deviations from the predictions of serial search. *Psychological Review*, 115, 228–229. (1)
- Adelman, J. S., & Brown, G. D. A. (2007). Phonographic neighbors not orthographic neighbors determine word naming latencies. *Psychonomic Bulletin & Review*, 14, 455–459. (22)
- Adelman, J. S., Brown, G. D. A., & Quesada, J. F. (2006). Contextual diversity, not word frequency, determines word naming and lexical decision times. *Psychological Science*, 17, 814–823. (149)

Other Refereed Papers

- Adelman, J. S., & Stewart, N. (2006). Absolute identification is surprisingly faster with more closely spaced stimuli. In R. Sun & N. Miyake (Eds.), *Proceedings of the Twenty-Eighth Annual Conference of the Cognitive Science Society* (pp. 943–948). Alpha, NJ: Sheridan.
- Quesada, J., Adelman, J. S., & Chater, N. (2006). Situational frequency judgments are influenced by contextual diversity. In R. Sun & N. Miyake (Eds.), *Proceedings of the Twenty-Eighth Annual Conference of the Cognitive Science Society* (p. 2592). Alpha, NJ: Sheridan.
- Adelman, J. S. (2005). Regularity and length effects in word naming: A test of the dual route cascaded model. In B. G. Bara, L. Barsalou, & M. Bucciarelli (Eds.), *Proceedings of the Twenty-Seventh Annual Conference of the Cognitive Science Society* (pp. 57–61). Alpha, NJ: Sheridan.

Book (chapter)s

- Adelman, J. S. (Ed.) (in prep.). *Computational Modelling of Cognition*. Invited by Taylor & Francis.
- Hills, T. T., Adelman, J. S., & Noguchi, T. (2017). The conceptual evolution of American English. In M. N. Jones (Ed.) *Big Data in Cognitive Science: From Methods to Insights* (pp. 270–293). Hove, England: Psychology Press.
- Adelman, J. S. (Ed.) (2012). *Visual Word Recognition Vol. 1: Models and Methods, Orthography and Phonology*. Hove, England: Psychology Press.
- Adelman, J. S. (Ed.) (2012). *Visual Word Recognition Vol. 2: Meaning and Context, Individuals and Development*. Hove, England: Psychology Press.
- Adelman, J. S. (2012). Methodological issues with words. In J. S. Adelman (Ed.) *Visual Word Recognition Vol. 1: Models and Methods, Orthography and Phonology*. Hove, England: Psychology Press.

Invited Presentations

- Adelman, J. S., & Estes, Z. (Oct. 2017). *Predicting the reproducibility of psychological research: Surprising results are less replicable*. Washington University at St. Louis.
- Adelman, J. S., Estes, Z., & Cossu, M. (Nov. 2017). *Emotional sound symbolism: Languages rapidly signal valence via phonemes*. Washington University at St. Louis.
- Adelman, J. S., & Estes, Z. (Dec. 2015). *The life-dinner principle in lexical processing*. Nottingham Trent University.
- Adelman, J. S. (Oct. 2011). *Individuals and models of reading*. University of Hull.
- Adelman, J. S. (Dec. 2010). *Individuals and models of reading*. Oxford Brookes University.
- Adelman, J. S., Sabatos-DeVito, M. G., & Marquis, S. J. (Jul. 2010). *Warwick Oral Reading Differences Project*. Presentation, invited plenary symposium at Seventeenth Annual Meeting of the Society for the Scientific Study of Reading.
- Adelman, J. S., & Brown, G. D. A. (Aug. 2009). *Performance targets for models of word naming*. Invited presentation, symposium on visual word recognition, 42nd Annual Meeting of the Society for Mathematical Psychology.

Adelman, J. S. (Mar. 2009). *Challenges in the modelling of word naming*. Royal Holloway, University of London.

Other Conference Presentations

Adelman, J. S., Cossu, M., & Estes, Z. (Nov. 2017). *Emotional sound symbolism: Languages rapidly signal valence via phonemes*. Talk at the 58th Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Nov. 2016). *Modeling lexical and sublexical consequences of letter perception timing*. Talk at the 57th Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Nov. 2015). *Extensions to LTRS*. Poster at the 56th Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Nov. 2014). *What's in a sandwich (prime)?* Poster at the 55th Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Jul. 2014). *What's in a sandwich (prime)?* Talk at the 4th UK Orthography Group Meeting.

Davis, C. J., Johnson, R. L., McCormick, S. F., McKague, M., Kinoshita, S., Bowers, J. S., Perry, J. R., Lupker, S. J., Forster, K. I., Cortese, M. J., Scaltritti, M., Aschenbrenner, A. J., Coane, J. H., White, L., Yap, M. J., Davis, C., Kim, J., & **Adelman, J. S.** (Nov. 2013). *A behavioral database for masked form priming*. Poster at the 54th Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Nov. 2012). *Variability in spelling-sound rules: individual differences?* Poster at the 53rd Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Sep. 2012). *Exploding rules of pronunciation*. Talk at the 3rd Annual UK Orthography Group meeting.

Adelman, J. S. (Nov. 2011). *Individuals and models of reading*. Poster at the 52nd Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Sep. 2011). *Letters in Time and Retinotopic Space*. Talk at the 2nd Annual UK Orthography Group meeting.

Adelman, J. S. (Jul. 2011). *Letters in Time and Retinotopic Space*. Talk at the 44th Annual Meeting of the Society for Mathematical Psychology.

Adelman, J. S. (Nov. 2010). *Letters in Time and Retinotopic Space*. Poster at the 51st Annual Meeting of the Psychonomic Society.

Adelman, J. S. (Nov. 2010). *Naming without interactive activation*. Talk at the Pre-Psychonomics Word Recognition MiniConference, Washington University.

Adelman, J. S., Marquis, S. J., & Sabatos-DeVito, M. G. (Nov. 2009). *Word naming at the individual level*. Poster at the 50th Annual Meeting of the Psychonomic Society.

Guest, D., **Adelman, J. S.**, & Kent, C. (Sep. 2009). *The time course of perceptual processes in absolute identification*. Talk at the 16th European Society for Cognitive Psychology Conference.

Estes, Z., **Adelman, J. S.**, & Barry, T. (Jul. 2009). *Good vibes: The sounds of a word predict its valence*. Poster at the 31st Annual Meeting of the Cognitive Science Society.

Kent, C., Guest, D., & **Adelman, J. S.** (Jul. 2009). *The time course of perceptual processes in absolute identification*. Talk at a meeting of the Experimental Psychology Society.

Adelman, J. S., Guest, D., & Kent, C. (Apr. 2009). *Why do additional presentations help us identify a stimulus?* Talk at a meeting of the Experimental Psychology Society.

Adelman, J. S., Sabatos-DeVito, M. G., & Brown, G. D. A. (Nov. 2008). Warwick Oral Reading Differences Project. Poster at the 49th Annual Meeting of the Psychonomic Society. Abstracted in *Abstracts of the Psychonomic Society*, 13, 110.

Estes, Z., **Adelman, J. S.**, & Simmons, S. (Jul. 2008). *Escaping snakes and acquiring cash: Categorical processing of affective words*. Poster at the 30th Annual Meeting of the Cognitive Science Society.

Adelman, J. S., & Brown, G. D. A. (Nov. 2007). Methods of testing and diagnosing model error: Dual and single route cascaded models of reading aloud. Poster at the 48th Annual Meeting of the Psychonomic Society. Abstracted in *Abstracts of the Psychonomic Society*, 12, 125.

- Carroll, J., Myers, J. & **Adelman, J. S.** (Jul. 2007) *Phonemic and sub-phonemic neighborhood similarities in young children's lexicons*. Talk at Fourteenth Annual Meeting of the Society for the Scientific Study of Reading.
- Adelman, J. S.**, & Brown, G. D. A. (Nov. 2006). Functional forms of word frequency and contextual diversity effects. Poster at the 47th Annual Meeting of the Psychonomic Society. Abstracted in *Abstracts of the Psychonomic Society*, 11, 123.
- Adelman, J. S.**, Brown, G. D. A., & Quesada, J. F. (Nov. 2005). Contextual diversity not word frequency determines word naming and lexical decision times. Poster at the 46th Annual Meeting of the Psychonomic Society. Abstracted in *Abstracts of the Psychonomic Society*, 10, 80–81.
- Adelman, J. S.**, Quesada, J. F. & Chater, N. (Aug. 2005). *Frequency judgments are diversity judgements*. Talk by Quesada at the 38th Annual Meeting of the Society for Mathematical Psychology.

Teaching Experience

Computational Modelling in Psychology (M) Compelte course (2019–).

Words and Reading (3) Complete course (2013/14; 2018–).

Individual Differences (2) Intelligence (2012/13).

Research Methods in Psychology (1) Convenor (2010–2014).

Second Year Project, Third Year Project, Psychology Laboratory Placement (2, 3, M) Project/placement supervisor.

Advanced Qualitative and Quantitative Methods in Psychology (M) Various lectures (2008-2010); Convenor (as sabbatical cover, 2007/08).

Practical Research Skills for Psychology (M) Programming (2006).

Methods in Psychology I (1) Teaching assistant for practical component of the course. (2002–2005).

Research Students One complete and one near completion as primary supervisor; two complete as co-supervisor.

Researchers Supervised (those employed on grants with destination)

Duncan Guest faculty at Nottingham Trent University.

Maura Sabatos-DeVito doctoral student at UNC Chapel Hill.

Suzanne Marquis student disability assessor for Chace.

Professional Training

Postgraduate Certificate in Academic and Professional Practice University of Warwick.

Consultancy

Mercer Oliver Wyman Analysis of CV and interview rating data to predict consultant performance
Business Development Research Consultants Structural equation modelling of mortgage survey data

Service and Administration

Co-chair MathPsych/ICCM 2017: The 50th Annual Meeting of the Society for Mathematical Psychology, the European Mathematical Psychology Group, and the 15th Annual Meeting of the International Conference on Cognitive Modelling [Joint meeting].

Reviewing (grants) National Science Foundation (US); *Member*, ESRC Peer Review College; Leverhulme Trust.

Editorial board Behavior Research Methods

Reviewing (journal articles) Psychological Review; Psychological Science; Journal of Experimental Psychology: General; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Acta Psychologica; Canadian Journal of Experimental Psychology; British Journal of Psychology; Experimental Psychology; Cognition; Cognitive Psychology; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Memory and Language; Language and Cognitive Processes; Memory & Cognition; Journal of Cognitive Psychology; Developmental Psychology; British Journal of Educational Psychology; Research in Mathematics Education; Emotion; Brain and Language; PLoS ONE; Behavior Research Methods; Cortex; Connection Science

Second Year Exams Secretary BSc Psychology (2018–)

First Year Exams Secretary BSc Psychology (2015–2018)

Course director MSc Psychological Research (2013–2018).

Member Postgraduate Supervisory Committee (2013–2018; now Postgraduate Studies Committee).

Co-ordinator Postgraduate Teaching Assistants (2012–2018).

Member Teaching Quality and Curriculum Review Committee (2011–; now Undergraduate Studies Committee).

Member Shortlisting Committee, Assistant Professor posts (2011).

Organizer Undergraduate participant panel (2010–).

Organizer Internal Seminar Series (2009–2014).

Organizer Cognitive Reading Group (2003–2008).

Secretary Postgraduate Staff-Student Liaison Committee (2003/2004).