

## **Stephan Lewandowsky, FAcSS FAPS**

Professor of Cognitive Psychology  
Royal Society Wolfson Research Fellow

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Personal: Australian citizen, born 3 June 1958, married.

Research: Computational modeling of cognition; climate modelling; role of scientific uncertainty in climate change; public understanding and acceptance of science; memory updating and continued influence of misinformation.

Degrees: B.A. Washington College, Chestertown, MD, U.S.A., 1980  
M.A. University of Toronto, 1981  
Ph.D. University of Toronto (Supervisor: Bennet Murdock), 1985

### Awards and Honors:

- Fellow, Association for Psychological Science, 2017 onward.
- Visiting scientist at CSIRO Oceans and Atmosphere, Hobart, Tasmania, Australia, 2017 onward.
- Fellow, Academy of Social Sciences (UK), 2017 onward.
- Fellow, Committee for Skeptical Inquiry, 2015 onward.
- Royal Society Wolfson Research Merit Award, 2013-2018.
- Revesz Professorship, University of Amsterdam, Netherlands, 2012.
- Discovery Outstanding Researcher Award, Australian Research Council, 2012-2014.
- Faculty Teaching Award (Honours supervision), Faculty of Life and Physical Sciences, University of Western Australia, 2007.
- Australian Professorial Fellowship, Australian Research Council, 2007-2011.

### Employment History:

- Professor of Cognitive Psychology, University of Bristol, 4/13-ongoing
- Professor of Psychology, University of Western Australia, 12/00-ongoing (honorific appointment 4/13 onward)
- Deputy Head of School, School of Psychology, University of Western Australia, 7/04-6/05
- Co-ordinator, Honours Programme in Psychology, University of Western Australia, 1/04-6/05; 1/06-6/07
- Co-ordinator, Ph.D. Programme in Psychology, University of Western Australia, 7/04-6/05
- Associate Professor of Psychology, University of Western Australia, 5/95-12/00
- Visiting Professor of Psychology (“C-4 Gastprofessor”), University of Potsdam, Germany, 4/98-7/98
- Adjunct Professor of Human Relations, University of Oklahoma, 5/95-12/97
- Co-ordinator, Programme in Cognitive Science, University of Western Australia, 1/96-12/98
- Associate Professor of Psychology, University of Oklahoma, 7/94-5/95
- Visiting Research Associate, University of Western Australia, 8/94-12/94
- Assistant Professor of Psychology, University of Oklahoma, 1/90-6/94
- Member, Graduate Faculty, University of Oklahoma, 1/90-5/95
- Research Associate, University of Toronto, 9/88-12/89
- University Research Fellow, University of Western Australia, 5/87-8/88

### Membership of Advisory Boards:

- Climate and Health Alliance, Australia.
- Klimafakten, Germany.
- E.U. Joint Research Centre, *Enlightenment 2.0* project. Steering committee member, 2018 onward.
- *Centre for Research and Interdisciplinarity*, Paris. Scientific advisory board member.
- “Pro-Truth” Pledge (<https://www.protruthpledge.org/>).

## Articles in Professional Magazines:

- Lewandowsky, S., Mann, M. E., Bauld, L., Hastings, G., & Loftus, E. F. (2013, November 1). The subterranean war on science. *APS Observer*, online only. Retrieved from:  
<http://www.psychologicalscience.org/index.php/publications/observer/2013/november-2013/the-subterranean-war-on-science.html>
- Lewandowsky, S., & Whitmarsh, L. (2014, March). Mind over matter. *Geographical*. (Official magazine of the Royal Geographical Society, U.K.). <http://geographical.co.uk/nature/climate/item/294-mind-over-matter> .
- van der Linden, S., & Lewandowsky, S. (2015, 28 April). How to Combat Distrust of Science. *Scientific American*.  
<http://www.scientificamerican.com/article/how-to-combat-distrust-of-science/>.
- Lewandowsky, S. (2015, July). Review of *Don't Even Think About It: Why Our Brains Are Wired to Ignore Climate Change*. *Reports of the National Centre for Science Education*, 35(4).
- Lewandowsky, S., Mann, M. E., Brown, N. J. L., & Friedman, H. (2017). Public Debate, Scientific Skepticism, and Science Denial. *Skeptical Inquirer*, 40(1).
- Lewandowsky, S. (2017). Climate models and climate data: Confusion and conflation vs. scientific reality. *Transactions of the Manchester Statistical Society 2015-2016*, 29-50.
- van der Linden, S., Maibach, E., Cook, J., Leiserowitz, A., & Lewandowsky, S. (2017, December). Inoculating against misinformation. *Science*, 358, 1141-1142. DOI: 10.1126/science.aar4533
- Lewandowsky, S., Risbey, J. S., & Oreskes, N. (2017). Are cops on the science beat? *Issues in Science and Technology*. 34(1).  
<http://issues.org/34-1/forum-36/>.
- Lewandowsky, S., van der Linden, S., & Cook, J. (2018, April 30). Can we inoculate against fake news? *CREST Security Review*.  
<https://crestresearch.ac.uk/csr/>.
- Gleick, P. H., Lewandowsky, S., & Kelley, C. (2018). Critique of conflict and climate analysis is oversimplified. *Nature*, 555, 7698 (letter to editor).

## Authoried Books:

Lewandowsky, S., & Farrell, S. (2011). *Computational Modeling in Cognition: Principles and Practice*. Thousand Oaks, CA: Sage.

Farrell, S., & Lewandowsky, S. (2018). *Computational modelling of cognition and behaviour*. Cambridge, UK: Cambridge University Press.

## Refereed Journal Articles:

## 2018

Oberauer, K., Lewandowsky, S., Awh, E., Brown, G. D. A., Conway, A., Cowan, N., Donkin, C., Farrell, S., Hitch, G. J., Hurlstone, M., Ma, W. J., Morey, C. C., Nee, D. E., Schweppe, J., Vergauwe, E., & Ward, G. (2018, in press). Benchmarks for Models of Short Term and Working Memory. *Psychological Bulletin*.

## 2017

Cook, J., Lewandowsky, S., & Ecker, U. K. H. (2017). Neutralizing Misinformation Through Inoculation: Exposing Misleading Argumentation Techniques Reduces Their Influence. *PLOS ONE*, *12*, e0175799.

Ecker, U. K. H., Hogan, J. L., & Lewandowsky, S. (2017). Reminders and Repetition of Misinformation: Helping or Hindering Its Retraction? *Journal of Applied Research in Memory and Cognition*, *6*, 185-192.

Gordon, A., Brooks, J. C., Quadflieg, S., Ecker, U. K. H., & Lewandowsky, S. (2017) Exploring the Neural Substrates of Misinformation Processing. *Neuropsychologia*, *106*, 216-224.

Harvey, J. A., van den Berg, D., Ellers, J., Kampen, R., Crowther, T. W., Roessingh, P., Verheggen, B., Nuijten, R. J. M., Post, E., Lewandowsky, S., Stirling, I., Balgopal, M., Amstrup, S. C., & Mann, M. E. (2017). Internet Blogs, Polar Bears, and Climate-Change Denial by Proxy. *BioScience*. DOI: 10.1093/biosci/bix133.

Lewandowsky, S., Cook, J., & Ecker, U. K. H. (2017). Letting the gorilla emerge from the mist: Getting past post-truth. *Journal of Applied Research in Memory and Cognition*, *6*, 418-424.

- Lewandowsky, S., Ecker, U. K. H., & Cook, J. (2017). Beyond Misinformation: Understanding and coping with the post-truth era. *Journal of Applied Research in Memory and Cognition*, 6, 353-369. DOI: 10.1016/j.jarmac.2017.07.008.
- Lewandowsky, S., Freeman, M. C., & Mann, M. E. (2017). Harnessing the uncertainty monster: Putting quantitative constraints on the intergenerational social discount rate. *Global and Planetary Change*, 156, 155-166. DOI: 10.1016/j.gloplacha.2017.03.007.
- Lewandowsky, S., Lloyd, E. A., & Brophy, S. (2017). When THUNCing Trumps thinking: What distant alternative worlds can tell us about the real world. *Argumenta*, DOI: 10.23811/52.arg2017.lew.llo.bro.
- Risbey, J. S., Grose, M. R., Monselesan, D. P., O'Kane, T. J., & Lewandowsky, S. (2017). Transient response of the global mean warming rate and its spatial variation. *Weather and Climate Extremes*, 18, 55-64. DOI: 10.1016/j.wace.2017.11.002.
- Risbey, J. S. & Lewandowsky, S. (2017). Climate science: The 'pause' unpacked. *Nature*, 545, 37-39.
- Swire, B., Ecker, U. K. H., & Lewandowsky, S. (2017). The Role of Familiarity in Correcting Inaccurate Information. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. DOI: 10.1037/xlm0000422.
- Swire, B., Berinsky, A. J., Lewandowsky, S., & Ecker, U. K. H. (2017). Processing political misinformation: comprehending the Trump phenomenon. *Royal Society Open Science*, 4, 160802. DOI: 10.1098/rsos.160802.
- van der Linden, S., Maibach, E., Cook, J., Leiserowitz, A., Ranney, M., Lewandowsky, S., Arvai, J., & Weber, E. U. (2017). Culture versus cognition is a false dilemma. *Nature Climate Change*, 7, 457-457.
- 2016
- Cook, J., & Lewandowsky, S. (2016). Rational Irrationality: Modeling Climate Change Belief Polarization Using Bayesian Networks. *TopiCS in Cognitive Science*, 8, 160-179.
- Cook, J., Oreskes, N., Doran, P. T., Anderegg, W. R. L., Verheggen, B., Maibach, E. W., Carlton, J. S., Lewandowsky, S., Skuce, A. G., Green, S. A., Nuccitelli, D., Jacobs, P., Richardson, M., Winkler, B., Painting, R., Rice, K. (2016). Consensus on consensus: a synthesis of consensus estimates on human-caused global warming. *Environmental Research Letters*. DOI: 10.1088/1748-9326/11/4/048002.

- Farrell, S., Oberauer, K., Greaves, M., Pasiecznik, K., Lewandowsky, S., Jarrold, C. (2016). A test of interference versus decay in working memory: Varying distraction within lists in a complex span task. *Journal of Memory and Language, 90*, 66-87.
- Lewandowsky, S. (2016). Future Global Change and Cognition. *TopiCS in Cognitive Science, 8*, 7-18. DOI: 10.1111/tops.12188.
- Lewandowsky, S., & Bishop, D. (2016). Research integrity: Don't let transparency damage science. *Nature, 529*, 459-461.
- Lewandowsky, S., Ballard, T., Oberauer, K., & Benestad, R. (2016). A blind expert test of contrarian claims about climate data. *Global Environmental Change, 39*, 91-97.
- Lewandowsky, S., Cook, J., & Lloyd, E. (2016). The 'Alice in Wonderland' mechanics of the rejection of (climate) science: simulating coherence by conspiracism. *Synthese*, DOI 10.1007/s11229-016-1198-6.
- Lewandowsky, S., Mann, M. E., Brown, N. J. L., & Friedman, H. (2016). Science and the public: Debate, denial, and skepticism. *Journal of Social and Political Psychology, 4*. DOI: 10.5964/jspp.v4i2.604
- Lewandowsky, S., & Oberauer, K. (2016). Motivated rejection of science. *Current Directions in Psychological Science, 25*, 217-222.
- Oberauer, K., Farrell, S., Jarrold, C., & Lewandowsky, S. (2016). What Limits Working Memory Capacity? *Psychological Bulletin*. DOI: 10.1037/bul0000046.
- Oberauer, K., & Lewandowsky, S. (2016). Control of information in working memory: Encoding and removal of distractors in the complex-span paradigm cognition. *Cognition, 156*, 106-128.

## 2015

- Ballard, T., & Lewandowsky, S. (2015). When, not if: the inescapability of an uncertain climate future. *Philosophical Transactions of the Royal Society (A), 373*, 20140464.
- Benestad, R., Nuccitelli, D., Lewandowsky, S., Hayhoe, K., Hygen, H., van Dorland, R. & Cook, J. (2015). Learning from mistakes in climate research. *Theoretical and Applied Climatology*, DOI: 10.1007/s00704-015-1597-5.

- Ecker, U. K. H., Lewandowsky, S., Cheung, C. S. C., & Maybery, M. T. (2015). He did it! She did it! No, she did not! Multiple causal explanations and the continued influence of misinformation. *Journal of Memory and Language*, *85*, 101-115.
- Jacobs, P., Cutting, H., Lewandowsky, S., O'Brien, M., Rice, K., & Verheggen, B. (2015). Clarity of meaning in IPCC press conference. *Nature Climate Change*, *5*, 961-962.
- Lewandowsky, S., Ballard, T., & Pancost, R. D. (2015). Uncertainty as knowledge. *Philosophical Transactions of the Royal Society (A)*, *373*, 20140462.
- Lewandowsky, S., Cook, J., Oberauer, K., Brophy, S., Lloyd, E. A., & Marriott, M. (2015). Recurrent Fury: Conspiratorial Discourse in the Blogosphere Triggered by Research on the Role of Conspiracist Ideation in Climate Denial. *Journal of Social and Political Psychology*, *3*, 142-178.
- Lewandowsky, S., Gignac, G. E., & Oberauer, K. (2015). The Robust Relationship Between Conspiracism and Denial of (Climate) Science. *Psychological Science*, *26*, 667-670.
- Lewandowsky, S., & Oberauer, K. (2015). Rehearsal in serial recall: An unworkable solution to the non-existent problem of decay. *Psychological Review*, *122*, 674-699.
- Lewandowsky, S., Oreskes, N., Risbey, J. S., Newell, B. R., & Smithson, M. (2015). Seepage: Climate change denial and its effect on the scientific community. *Global Environmental Change*, *33*. DOI: 10.1016/j.gloenvcha.2015.02.013.
- Lewandowsky, S., Risbey, J. S., & Oreskes, N. (2015). The "Pause" in Global Warming: Turning a Routine Fluctuation into a Problem for Science. *Bulletin of the American Meteorological Society*. DOI: 10.1175/BAMS-D-14-00106.1.
- Lewandowsky, S., Risbey, J. S., & Oreskes, N. (2015). On the definition and identifiability of the alleged "hiatus" in global warming. *Scientific Reports*, *5*, 16784.
- Morey, R. D., Chambers, C. D., Etchells, P. J., Harris, C. R., Hoekstra, R., Lakens, D., Lewandowsky, S., Morey, C. C., Newman, D. P., Schönbrodt, F., Vanpaemel, W., Wagenmakers, E.-J., & Zwaan, R. A. (2015). The peer reviewers' openness initiative: incentivizing open research practices through peer review. *Royal Society Open Science*, *2*, 15047.

- Oberauer, K., Jones, T., & Lewandowsky, S. (2015). The Hebb repetition effect in simple and complex memory span. *Memory & Cognition*, *43*, 852-865. DOI: 10.3758/s13421-015-0512-8.
- Risbey, J. S., Lewandowsky, S., Hunter, J. R., & Monselesan, D. P. (2015). Betting strategies on fluctuations in the transient response of greenhouse warming. *Philosophical Transactions of the Royal Society (A)*, *373*, 20140463.
- 2014
- Cook, J., Nuccitelli, D., Skuce, A., Jacobs, P., Painting, R., Honeycutt, R., Green, S. A., Lewandowsky, S., Richardson, M., & Way, R. G. (2014). Reply to 'Quantifying the consensus on anthropogenic global warming in the scientific literature: a Re-analysis.' *Energy Policy*, *73*, 706-708.
- Ecker, U. K. H., Brown, G. D. A., & Lewandowsky, S. (2014). Memory without consolidation: temporal distinctiveness explains retroactive interference. *Cognitive Science*. DOI: 10.1111/cogs.12214.
- Ecker, U. K. H., Lewandowsky, S., Chang, E. P., & Pillai, R. (2014). The effects of subtle misinformation in news headlines. *Journal of Experimental Psychology: Applied*, *20*, 323-335.
- Hurlstone, M. J.; Lewandowsky, S.; Newell, B. R. & Sewell, B. (2014). The effect of framing and normative messages in building support for climate policies. *PLOS ONE*, *9*, e114335.
- Lewandowsky, S. (2014). Conspiratory Fascination vs. public interest: The case of 'Climategate.' *Environmental Research Letters*, *9*, 111004.
- Risbey, J. S., Lewandowsky, S., Langlais, C., Monselesan, D. P., O'Kane, T. J., & Oreskes, N. (2014). Well-estimated global surface warming in climate projections selected for ENSO phase. *Nature Climate Change*, *4*, 835-840.
- Ecker, U. K. H., Oberauer, K., & Lewandowsky, S. (2014). Working memory updating involves item-specific removal. *Journal of Memory and Language*, *74*, 1-15.
- Ecker, U. K. H., Lewandowsky, S., Fenton, O., & Martin, K. (2014). Do people keep believing because they want to? Pre-existing attitudes and the continued influence of misinformation. *Memory & Cognition*, *42*, 292-304.
- Lewandowsky, S., Risbey, J. S., Smithson, M., Newell, B. R., & Hunter, J. (2014). Scientific uncertainty and climate change: Part I. Uncertainty and unabated emissions. *Climatic Change*, *124*, 21-37.



- Lewandowsky, S., Risbey, J. S., Smithson, M., & Newell, B. R. (2014). Scientific uncertainty and climate change: Part II. Uncertainty and mitigation. *Climatic Change*, *124*, 39-52.
- Little, D. R., Lewandowsky, S., & Craig, S. (2014). Working memory capacity and fluid abilities: The more difficult the item, the more more is better. *Frontiers in Psychology*, *5*, 239.
- Oberauer, K., & Lewandowsky, S. (2014). Further evidence against decay in working memory. *Journal of Memory and Language*, *73*, 15-30.

## 2013

- Ecker, U. K. H., Lewandowsky, S., & Oberauer, K. (2013). Removal of information from working memory: A specific updating process. *Journal of Memory and Language*.
- Craig, S., & Lewandowsky, S. (2013). Working memory supports inference learning just like classification learning. *Quarterly Journal of Experimental Psychology*, *66*, 1493-1503.
- Farrell, S., Hurlstone, M. J., & Lewandowsky, S. (2013). Sequential dependencies in recall of sequences: Filling in the blanks. *Memory & Cognition*, *41*, 938-952.
- Griffiths, T. L., Lewandowsky, S., & Kalish, M. L. (2013). The effects of cultural transmission are modulated by the amount of information transmitted. *Cognitive Science*, *37*, 953-967.
- Lewandowsky, S., Gignac, G. E., & Oberauer, K. (2013). The role of conspiracist ideation and worldviews in predicting rejection of science. *PLOS ONE*, *8*, e75637.
- Lewandowsky, S., Stritzke, W. G. K., Freund, A. M., Oberauer, K., & Krueger, J. (2013). Misinformation, disinformation, and violent conflict: From Iraq and the “War on Terror” to future threats to peace. *American Psychologist*, *68*, 487-501. (Opening article to a special issue on psychology of peace and conflict prevention organized by the authors of this article.)
- Lewandowsky, S., Cook, J., Oberauer, K., & Marriott, M. (2013). Recursive fury: Conspiracist ideation in the blogosphere in response to research on conspiracist ideation. *Frontiers of Psychology*, *4* (73). doi:10.3389/fpsyg.2013.00073. [This article was retracted by the publisher owing to legal fears on 21 March 2014 and has been republished as Lewandowsky et al., 2015.]

- Lewandowsky, S., Gignac, G. E., & Vaughan, S. (2013). The pivotal role of perceived scientific consensus in acceptance of science. *Nature Climate Change*, *3*, 399-404.
- Lewandowsky, S., Oberauer, K., & Gignac, G. E. (2013). NASA faked the moon landing—therefore (climate) science is a hoax: An anatomy of the motivated rejection of science. *Psychological Science*, *24*, 622-633.
- Oberauer, K., & Lewandowsky, S. (2013). Evidence against decay in verbal working memory. *Journal of Experimental Psychology: General*, *142*, 380-411.

## 2012

- Craig, S., & Lewandowsky, S. (2012). Whichever way you choose to categorize, working memory helps you learn. *Quarterly Journal of Experimental Psychology*, *65*, 439-464.
- Ecker, U. K. H., & Lewandowsky, S. (2012). Computational constraints in cognitive theories of forgetting. *Frontiers in Psychology*, *3*, 1-5. DOI: 10.3389/fpsyg.2012.00400.
- Farrell, S., & Lewandowsky, S. (2012). Response suppression contributes to recency in serial recall. *Memory & Cognition*. DOI 10.3758/s13421-012-0212-6.
- Lewandowsky, S., & Coltheart, M. (2012). Cognition ‘versus’ neuroscience: Competing approaches or complementary levels of explanation? *Australian Journal of Psychology*, *64*, 1-3. (special issue on *Neuroscience “versus” Cognitive modeling: Competing approaches or compatible levels of explanation?*; S. Lewandowsky & M. Coltheart, Guest Editors.)
- Lewandowsky, S., Ecker, U. K. H., Farrell, S., and Brown, G. D. A. (2012). Models of cognition and constraints from neuroscience: A case study involving consolidation. *Australian Journal of Psychology*, *64*, 37-45. (special issue on *Neuroscience “versus” Cognitive modeling: Competing approaches or compatible levels of explanation?*; S. Lewandowsky & M. Coltheart, Guest Editors.)
- Lewandowsky, S., Ecker, U. K. H., Seifert, C., Schwarz, N., & Cook, J. (2012). Misinformation and its correction: Continued influence and successful debiasing. *Psychological Science in the Public Interest*, *13*, 106-131.

- Lewandowsky, S., Palmeri, T. J., & Waldmann, M. R. (2012). Introduction to the Special Section on Theory and Data in Categorization: Integrating Computational, Behavioral, and Cognitive Neuroscience Approaches. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38, 803-806. DOI: 10.1037/a0028943
- Lewandowsky, S., Yang, L.-X., Newell, B. R., & Kalish, M. L. (2012). Working memory does not dissociate between different perceptual categorization tasks. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38, 881-904.
- Oberauer, K., Lewandowsky, S., Farrell, S., Jarrold, C., & Greaves, M. (2012). Modeling working memory: An interference model of complex span. *Psychonomic Bulletin & Review*, 19, 779-819. DOI 10.3758/s13423-012-0272-4
- Sewell, D. K., & Lewandowsky, S. (2012). Attention and working memory capacity: Insights from blocking, highlighting, and knowledge restructuring. *Journal of Experimental Psychology: General*, 141, 444-469. DOI: 10.1037/a0026560

## 2011

- Craig, S., Lewandowsky, S., & Little, D. R. (2011). Error Discounting in Probabilistic Category Learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 673-687.
- Ecker, U. K. H., Lewandowsky, S., & Apai, J. (2011). Terrorists brought down the plane!—No, actually it was a technical fault: Processing corrections of emotive information. *Quarterly Journal of Experimental Psychology*, 64, 283-310.
- Ecker, U. K. H., Lewandowsky, S., Swire, B., & Chang, D. (2011). Correcting false information in memory: Manipulating the strength of misinformation encoding and its retraction. *Psychonomic Bulletin & Review*, 18, 570-578.
- Lewandowsky, S. (2011). Popular consensus: Climate change set to continue. *Psychological Science*, 22, 460-463.
- Lewandowsky, S. (2011). Working memory capacity and categorization: Individual differences and modeling. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 720-738.
- Oberauer, K., & Lewandowsky, S. (2011). Modelling working memory: A computational implementation of the Time-Based Resource-Sharing theory. *Psychonomic Bulletin & Review*, 18, 10-45.

Sewell, D. K., & Lewandowsky, S. (2011). Restructuring partitioned knowledge: The role of recoordination in category learning. *Cognitive Psychology*, *62*, 81-122.

## 2010

Ecker, U. K. H., Lewandowsky, S., Oberauer, K., & Chee, A. E. H. (2010). The components of working memory updating: An experimental decomposition and individual differences. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*, 170-189.

Ecker, U. K. H., Lewandowsky, S., & Tang, D. (2010). Explicit warnings reduce but do not eliminate the continued influence of misinformation. *Memory & Cognition*, *38*, 1087-1100.

Farrell, S., & Lewandowsky, S. (2010). Computational models as aids to better reasoning in psychology. *Current Directions in Psychological Science*, *19*, 329-335.

Lewandowsky, S., Geiger, S. M., Morrell, D. B., & Oberauer, K. (2010). Turning simple span into complex span: Time for decay or interference from distractors? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*, 958-978.

Lewandowsky, S., Oberauer, K., Yang, L.-X., & Ecker, U. K. H. (2010). A working memory test battery for MatLab. *Behavior Research Methods*, *42*, 571-585.

Morin, C., Brown, G. D. A., & Lewandowsky, S. (2010). Temporal isolation effects in recognition and serial recall. *Memory & Cognition*, *38*, 849-859.

## 2009

Lewandowsky, S., Brown, G. D. A., & Thomas, J. L. (2009). Traveling economically through memory space: Characterizing output order in memory for serial order. *Memory & Cognition*, *37*, 181-193.

Lewandowsky, S., Griffiths, T. L. & Kalish, M. L. (2009). The Wisdom of Individuals: Exploring People's Knowledge about Everyday Events using Iterated Learning. *Cognitive Science*, *33*, 969-998.

Lewandowsky, S., & Oberauer, K. (2009). No Evidence for Temporal Decay in Working Memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *35*, 1545-1551.

- Lewandowsky, S., Oberauer, K., & Brown, G. D. A. (2009). Response to Altmann: Adaptive forgetting by decay or removal of STM contents? *Trends in Cognitive Sciences, 13*, 280-281.
- Lewandowsky, S., Oberauer, K., & Brown, G. D. A. (2009). Response to Barrouillet and Camos: Interference or decay in working memory? *Trends in Cognitive Sciences, 13*, 146-147.
- Lewandowsky, S., Oberauer, K., & Brown, G. D. A. (2009). No temporal decay in verbal short-term memory. *Trends in Cognitive Sciences, 13*, 120-126.
- Little, D. R., & Lewandowsky, S. (2009). Beyond non-utilization: Irrelevant cues can gate learning in probabilistic categorization. *Journal of Experimental Psychology: Human Perception and Performance, 35*, 530-550.
- Little, D. R. & Lewandowsky, S. (2009). Better Learning With More Error: Probabilistic Feedback Increases Sensitivity to Correlated Cues in Categorization. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 35*, 1041-1061.

## 2008

- Colreavy, E., & Lewandowsky, S. (2008). Strategy development and learning differences in supervised and unsupervised categorization. *Memory & Cognition, 36*, 762-775.
- Farrell, S., & Lewandowsky, S. (2008). Empirical and theoretical limits on lag recency in free recall. *Psychonomic Bulletin & Review, 15*, 1236-1250.
- Geiger, S. M., & Lewandowsky, S. (2008). Temporal isolation does not facilitate forward serial recall—or does it? *Memory & Cognition, 36*, 957-967.
- Griffiths, T. L., Kalish, M. L., & Lewandowsky, S. (2008). Theoretical and empirical evidence for the impact of inductive biases on cultural evolution. *Philosophical Transactions of the Royal Society (Series B), 363*, 3503-3514.
- Lewandowsky, S., & Farrell, S. (2008). Short-term memory: New data and a model. *The psychology of Learning and Motivation, 49*, 1-48.
- Lewandowsky, S., & Farrell, S. (2008). Phonological similarity in serial recall: Constraints on theories of memory. *Journal of Memory and Language, 58*, 429-448.

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<sup>1</sup> O.U. Vortac represents the collaborative research efforts of Francis T. Durso, Scott D. Gronlund, and Stephan Lewandowsky

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### Public Writings (Opinion Pieces and Articles for Popular Media):

I have written around 50 opinion pieces and articles for the global news media (e.g., *The Guardian*, *The Age*, *Sydney Morning Herald*, Australian Broadcasting Corporation [ABC]) and popular scientific outlets (e.g., *Scientific American*, *Australasian Science*, *Geographical* [UK]).

I also blog at <http://www.shapingtomorrowsworld.org>.

### Downloadable Research Handbooks:

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### Editorships:

Editorial Board, *Scientific Reports* (August 2017 onward). Editorial board members serve as action editors for this journal.

Digital Content Editor, *Psychonomic Society* (2014-ongoing). Responsible for the Society's digital content at <http://www.psychonomic.org/featured-content>. (I blog twice a week on average and coordinate 5 Digital Associate Editors who each contribute 5-6 post per year).

*topiCS in Cognitive Science* (2016). Special issue on *Future Global Change and Cognition*.

*Philosophical Transactions of the Royal Society* (2015). Theme issue on *Responding and adapting to climate change: uncertainty as knowledge*. (Stephan Lewandowsky, Tim Ballard, and Richard Pancost, co-Editors).

*Journal of Mathematical Psychology* (2012-ongoing). Consulting editor.

*Journal of Experimental Psychology: Learning, Memory, and Cognition* (2012). Special section on *Theory and Data in Categorization: Integrating Computational, Behavioral, and Cognitive Neuroscience Approaches*. (Stephan Lewandowsky and Tom Palmeri, co-Guest Editors).

*Australian Journal of Psychology* (2012). Special issue on *Neuroscience “versus” Cognitive modeling: Competing approaches or compatible levels of explanation?* (Stephan Lewandowsky and Max Coltheart, co-Guest Editors).

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*Australian Journal of Psychology* (1998), 50 (3). Special issue on mathematical psychology. (Stephan Lewandowsky, Mike Kalish, & John C Dunn, guest editors).

#### Editorial Boards:

*Journal of Experimental Psychology: Learning, Memory, and Cognition* (1995-1998)

*Journal of Experimental Psychology: Applied* (1998-2001)

*Journal of Mathematical Psychology* (2010-)

*Psychological Review* (1999-)

#### Grant Panel Membership:

Selection Advisory Committee for the Australian Research Council’s *Science of Learning Research Centre*. (2012).

Royal Society Newton Fellowship award panel. (2016-ongoing).

### Competitive External Grants and Contracts (Total ~ A\$4,400,000):

Natural Environment Research Council (UK). *Resilient Economy and Society by Integrated Systems modelling (RESIST)*. (Dawei Han, [CI], Katsu Goda, Liz Holcombe, Stephan Lewandowsky, Xiaojun Wang, Mike Yearworth). 2016-2019. **£662,000**.

Australian Research Council (Discovery Grant). *The Psychology of Misinformation—Towards A Theory-driven Understanding*. (Ulrich Ecker [CI], Stephan Lewandowsky, & Gordon Brown). **A\$440,000**, 2016-2019.

European Society for Cognitive Psychology (ESCoP). European Summer School “Computational and Mathematical Modelling of Cognition.” (with Klaus Oberauer and Jörg Rieskamp). **€20,000**, 2015.

Estes Foundation Grant for the European Summer School “Computational and Mathematical Modelling of Cognition.” (with Klaus Oberauer and Jörg Rieskamp). **US\$14,000**, 2015.

Economic and Social Research Council Impact Development Grant “When, not if: The inescapability of an uncertain future” (ES/M500410/1). (with Adam Corner and Mary Phillips). **£8,980**, 2014.

GW4 Initiator Grant. *The Role of Science in Society and Policy*. (with Anna Gilmore et al.). **£12,301**, 2014.

Royal Society Research Fellows International Scientific Seminars. *Science and Society at the Crossroads: Skepticism vs. Denial and Elitism vs. Public Engagement*. **£5,000**, 2014-2015.

Royal Society Wolfson Research Merit Award. Fellowship, **£50,000**, 2013-2015.

Australian Research Council (Discovery Grant). *Information seeking, cognition and individual differences*. (with Klaus Oberauer and Gordon Brown). **A\$338,000**, 2013-2015. (Relinquished upon moving to the UK).

Australian Research Council (Discovery Grant). *From fluid intelligence to crystallised expertise: an integrative Bayesian approach*. (with Daniel Little, Thomas Griffiths, & Adam Sanborn). **A\$765,000**, 2012-2014. (Relinquished upon moving to the UK).

Australian Research Council (Linkage Grant, with Federal Department of Climate Change and Energy Efficiency). *Creating a climate for change: From cognition to consensus*. (Ben Newell, Brett Hayes, Marilyn Brewer, Stephan Lewandowsky, Andy Pitman, Matthew England, Chris Mitchell), **A\$216,000** (plus matching contribution from DCCEE), 2012-2014.

- National Climate Change Adaptation Research Facility. *What about me? Factors affecting individual adaptive coping capacity across different population groups.* (Kerrie Unsworth, Stephan Lewandowsky, David Morrison, Carmen Lawrence, Sally Russell, Kelly Fielding, Chris Clegg), **A\$330,000**, 2011-2013.
- Schweizerischer Nationalfonds zur Förderung der wissenschaftlichen Forschung (Swiss National Science Foundation). “*Working memory: Modelling and experiments*” (with Klaus Oberauer). **CHF11,040**, 2010.
- European Society for Cognitive Psychology (ESCoP). *European Summer School “Computational and Mathematical Modelling of Cognition.”* (with Klaus Oberauer and Simon Farrell). **€20,000**, 2010.
- Australian Research Council (Discovery Grant). *Categorization and Working Memory: Bridging two Pillars of Cognition.* (with Gilles Gignac & Lee-Xieng Yang). **A\$240,000**, 2008-2011.
- Australian Research Council (Linkage international grant). *Time and updating of memory.* (with Gordon D. A. Brown, Klaus. Oberauer, & Simon Farrell). **A\$21,000**, 2008-2010.
- Australian Research Council (Discovery Grant, with Australian Professorial Fellowship). *Keeping memory current: Updating and discounting of information.* (with Klaus Oberauer). **A\$600,000+**, 2007-2011.
- Australian Research Council (Linkage international grant). *The role of time and similarity in short-term memory.* (with Gordon D. A. Brown & Simon Farrell). **A\$15,000**, 2005-2007.
- Australian Research Council (Discovery grant.) *Evolution of Knowledge: Transformations and Universals.* (with Nic Fay & Simon Kirby). **A\$182,000**, 2005-2007.
- Australian Research Council (Discovery grant). *Memory and Time.* **A\$165,000**, 2004-2006.
- Australian Research Council (Discovery grant). *Models of Knowledge Restructuring.* (with Mike Kalish [co-PI]). **A\$150,000**, 2002-2004.
- Australian Research Council (Linkage international grant). *Integrating Models of Serial Recall.* (with Gordon D. A. Brown & Simon Farrell). **A\$19,300**, 2002-2004.
- Australian Research Council (Large grant). *Dynamic models of memory for serial order.* **A\$145,000**, 2001-2003.

- Australian Research Council (Small grant). *Facilitation of knowledge restructuring: Training better experts faster*. (with Mike Kalish [co-PI]). **A\$12,500**, 2001.
- Australian Research Council (IREX grant). *Knowledge partitioning: Models of the limits of expertise*. (with Mike Kalish [co-PI] & John K. Kruschke [co-PI]), **A\$14,400**, 2000.
- Australian Research Council (Large grant). *Knowledge partitioning: Models of the limits of expertise*. (with Mike Kalish [co-PI] & John K. Kruschke [co-PI]), **A\$130,000**, 1999-2001.
- Australian Research Council (Large grant). *Models of distributed and dynamic decision making*. (with John C. Dunn [co-PI] & Kim Kirsner [co-PI]), **A\$140,000**, 1997-1999.
- Australian Research Council (Small grant). *Tests of a computational account for repetition blindness in human memory*. (with James H. Neely [co-PI]). **A\$19,000**, 1997.
- Australian Research Council (Large grant). *Computational models of human performance under adaptive automation*. **A\$130,000**, 1996-1998.
- National Center for Health Statistics (USA). *A cognitive evaluation of rowplot representation of statistical data*. (with John T. Behrens [PI]), **US\$10,000**, 1996 (administered through Arizona State University).
- National Center for Health Statistics (USA). *The mental processes underlying the use of graphical devices*. (with John T. Behrens [co-PI]), **US\$10,000**, 1994.
- National Center for Health Statistics (USA). *Evaluation of cognitive research program*. (with John T. Behrens [co-PI]), **US\$25,000**, 1993.
- National Center for Health Statistics (USA). *Perception of mortality maps*, **US\$10,000**, 1992.
- Federal Aviation Administration (USA). *An investigation of the cognitive factors in the transition from flight progress strips to electronic displays*. (with Francis T. Durso [PI] & Scott D. Gronlund, [co-PI]). **US\$800,000**, 1991-1994.
- Natural Sciences and Engineering Research Council of Canada. Conference grant. (with William E. Hockley [PI]), **CDN\$14,000**, 1990.
- Federal Aviation Administration (USA). *Specialized Reporting Project*. (with Francis T. Durso, Scott D. Gronlund, & Charles F. Gettys), **US\$24,000**, 1990.

Australian Research Council. *Implicit expertise: Discovering the knowledge experts rely on but cannot tell us about.* (with Kim Kirsner [co-PI] & John C. Dunn [co-PI]), (A\$90,000, contingent upon presence in Australia, 1989-1991).

Commonwealth Tertiary Education Commission (Australia). Equipment grant to the Department Psychology, University of Western Australia, A\$80,000, 1988.

#### Internal Grants:

University of Bristol, World University Network Research collaboration award. *Responding and adapting to climate change: recognizing and managing uncertainty in the physical, social and public spheres.* (with 12 others from 6 institutions). £13,300, 2013.

University of Western Australia, World University Network Research collaboration award. *Memory Models and Neuroimaging.* (with U. Ecker, PI, D. Bayliss, J. Briscoe, J. Brooks, J. Cook, S. Farrell, B. Swire-Thompson, J. Thai). A\$19,000, 2013.

University of Bristol, Strategic Research Funds. *When, not if: the unavoidably certain future.* (with P. Bates, A. Ridgwell, T. Edwards, M. Leggett, A. Bentley, M. Pieraccini, T. Edmunds). £19,000, 2013.

University of Western Australia, World University Network Research Collaboration Award. *Binding and Time: Two Fundamental Attributes of Memory.* (with Murray Maybery, Donna Bayliss, Gordon Brown, Simon Farrell, Klaus Oberauer, Chris Jarrold). A\$10,000, 2009.

University of Western Australia, Institute of Advanced Studies. *Terrorism & Torture: The Media, Psychology, and Public Perceptions.* Conference grant (with Werner Stritzke, Frank Morgan, Joseph Clare, and David Denmark). A\$30,000, 2006.

University of Western Australia. Teaching and Learning Committee. *remote delivery of cognitive science laboratories and tutorials.* (with Mike Kalish), A\$10,000, 1998.

University of Western Australia. University Initiatives Fund. *The interdisciplinary complex cognitive processes laboratory.* (with J. Cordery, J. Dunn, B. Goertzel, J. Hallmayer, M. Kalish, K. Kirsner, C. Lees, M. Martin-Iverson, M. Maybery, P. Michie, D. Morrison, R. Owens, N. Spadaccini, & R. Thomas), A\$225,000, 1995.

### Summer Schools and Workshops:

- *Summer School 2018 on Computational and Mathematical Modeling of Cognition* (with Bob French, Klaus Oberauer, et al.). July 2018, Couches, France.
- *The Digital Psychonomic Society: From Social Media to Clever Apps*. Workshop presented at the 58th annual meeting of the Psychonomic Society, November 2017, Vancouver, B. C., Canada. (With Richard Morey).
- *Scientific and Public Uncertainty About Climate Change: Normative and Cognitive Considerations*. Workshop presented at the conference Kongress zu Klimawandel, Kommunikation, und Gesellschaft. September 2017, Salzburg, Austria.
- *Summer School 2016 on Computational Modeling of Cognition* (with Klaus Oberauer, Joerg Rieskamp et al.). July 2016, Dobiacco, Italy.
- *Volkswagen Foundation Summer School 2014 on Computational Modeling of Cognition* (with Klaus Oberauer, Lael Schooler, Joerg Rieskamp et al.). July 2014, Laufen, Germany.
- *SNF Summer School 2012 on Computational Modeling of Cognition* (with Klaus Oberauer, Lael Schooler, Joerg Rieskamp et al.). July 2012, Berguen Switzerland.
- *European Summer School 2010 on Computational Modeling of Cognition* (with Klaus Oberauer and Simon Farrell). July 2010, Mallnitz, Austria.

### Talks Presented at Conferences (>220 total, 2013 onwards shown):

- Lewandowsky, S., & Oberauer, K. (2018, June). *There is a replication crisis, but low replicability of published findings is good for science*. Paper presented at the 17<sup>th</sup> Annual Summer Interdisciplinary Conference, Loano, Italy.
- Lewandowsky, S., Swire, B., & Ecker, U. K. H. (2018, May). *Are We “Post-Truth” or “Post-Caring”?* When Political Affect Becomes Decoupled From Truth. Paper presented at the International Meeting of the Psychonomic Society, Amsterdam.
- Lewandowsky, S. (2018, April). *“Post-truth” politics: Democratization of information or gateway to authoritarianism?* Keynote presented at the 45<sup>th</sup> Annual Conference of the Australasian Society for Experimental Psychology, Hobart, Tasmania.

- Lewandowsky, S. (2018, March). *Rejection of Science: Supply and Demand*. Paper presented at the conference Ciencia e Ideología; III Congreso de Pensamiento Crítico y Divulgación Científica, Valencia, Spain.
- Lewandowsky, S. (2018, February). *The inevitability of conspiracist discourse in science denial*. Paper presented at the Annual Meeting of the American Association for the Advancement of Science, Austin, TX.
- Lewandowsky, S. (2017, November). *Jekyll and Hyde: Science blogs vs. blog "science"*. Paper presented at the Women in Cognitive Science annual meeting, Vancouver, B. C., Canada.
- Lewandowsky, S., & Oberauer, K. (2017, November). *Worldview-motivated rejection of science and the norms of science*. Paper presented at the 58th annual meeting of the Psychonomic Society, Vancouver, B. C., Canada.
- Oberauer, K., & Lewandowsky, S. (2017, November). *Simple measurement models for complex working memory tasks*. Paper presented at the 58th annual meeting of the Psychonomic Society, Vancouver, B. C., Canada.
- Swire, B., Berinsky, A., Lewandowsky, S., Ecker, U. K. H. (2017, November). *Source evaluation after disproportionate presentation of misinformation and fact*. Poster presented at the 58th annual meeting of the Psychonomic Society, Vancouver, B. C., Canada.
- Lewandowsky, S. (2017, September). *Climate communication in context*. Invited keynote presented at the conference Kongress zu Klimawandel, Kommunikation, und Gesellschaft. Salzburg, Austria.
- Lewandowsky, S. (2017, September). *Beyond Misinformation: Understanding and Coping With the "Post-truth" Era*. Invited paper presented at the Wenner-Gren Foundations International Symposium "Knowledge resistance and how to cure it", Stockholm, Sweden.
- Lewandowsky, S. (2017, September). *Jekyll and Hyde: Science blogs vs. blog "science"*. Paper presented at the Women in Cognitive Science symposium in connection with the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.
- Lewandowsky, S., & Oberauer, K. (2017, September). *Being Open but not Naked: Balancing Transparency with Resilience in Science*. Paper presented at the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.
- Oberauer, K., & Lewandowsky, S. (2017, September). *Addressing the Theory Crisis in Psychology*. Paper presented at the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.



- Lewandowsky, S. (2017, August). *The 'pause' in global warming in historical and conceptual context: Scientific decision making under uncertainty*. Paper presented at the 26<sup>th</sup> Subjective Probability, Utility and Decision Making (SPUDM) conference, Haifa, Israel.
- Lewandowsky, S. (2017, August). *Rational Conspiracist Denial of Undeniable Climate Change*. Invited presentation at the Interdisciplinary Workshop on "Conspiracy theories, delusions and other 'troublesome' beliefs", Macquarie University, Sydney, Australia.
- Lewandowsky, S. (2017, July). *Rational denial of undeniable climate change*. Paper presented at the 16<sup>th</sup> Annual Summer Interdisciplinary Conference, Interlaken, Switzerland.
- Lewandowsky, S. (2017, June). *The 'Pause' in Global Warming and a Blind Test of Contrarian Claims about Climate Data*. Paper presented at the Cambridge Risk and Uncertainty Conference (RUC), Cambridge, UK.
- Lewandowsky, S. (2017, June). *The 'pause' in global warming in historical and conceptual context: Scientific decision making under uncertainty*. Paper presented at the Cambridge Risk and Uncertainty Conference (RUC), Cambridge, UK.
- University of St.Gallen, REM Forum 2017: *#Post-truth and renewable energies: Communication strategies to correct misinformation*. St. Gallen, May 2017. <https://www.remforum.ch/overview-2017/programme/>
- Lewandowsky, S. (2017, May). *Being open but not naked: Balancing transparency with resilience in science*. Invited keynote presented at the 5th World Conference on Research Integrity, Amsterdam, Netherlands.
- Lewandowsky, S. (2017, May). *From reasonable doubt to undue skepticism and demagoguery: The age of "post-truth" politics*. Invited paper presented at the conference From Reasonable Doubt to Undue Scepticism, London, UK.  
<http://readoubtproject.wixsite.com/conference/abstracts>
- Lewandowsky, S. (2017, March). *Being open but not naked: Balancing transparency with resilience in science*. Paper presented at the International Convention of Psychological Science, Vienna, Austria.  
[http://icps.psychologicalscience.org/wp-content/uploads/2017/03/3\\_ICPS\\_Friday-2017-AAAs.pdf](http://icps.psychologicalscience.org/wp-content/uploads/2017/03/3_ICPS_Friday-2017-AAAs.pdf)
- Lewandowsky, S. (2017, March). *Jekyll and Hyde: Science blogs versus blog 'science'*. International Convention of Psychological Science, Vienna, Austria. [http://icps.psychologicalscience.org/wp-content/uploads/2017/03/ICPS-Program\\_Thursday\\_pages-21-30.pdf](http://icps.psychologicalscience.org/wp-content/uploads/2017/03/ICPS-Program_Thursday_pages-21-30.pdf)

- Lewandowsky, S. (2017, February). *When denial of the undeniable and logical incoherence are politically rational: An anatomy of climate change denial in an era of 'post-truth' politics*. Paper presented at the conference Communication & Cognition 2017: Miscommunication - getting lost in language(s), Fribourg, Switzerland.
- Lewandowsky, S. (2017, January). *Climate denial: Tools and Effects*. Paper presented at the 12<sup>th</sup> annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC XII), Sydney, Australia.
- Lewandowsky, S. (2017, January). *Misinformation and demagoguery in an age of "post-fact" politics*. Paper presented at the 12<sup>th</sup> annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC XII), Sydney, Australia.
- Lewandowsky, S., Risbey, J. S., Newell, B., Smithson, M., & Somerwill, L. (2017, January). *Normative vs. Cognitive Construals of Uncertainty*. Paper presented at the 12<sup>th</sup> annual meeting of the Society for Applied Research in Memory and Cognition (SARMAC XII), Sydney, Australia.
- Lewandowsky, S. (2016, December). *Countering misinformation and demagoguery in an age of uncertainty and "post-fact" politics: Climate change and beyond*. Paper presented at the annual meeting of the American Geophysical Union, San Francisco, CA.
- Lewandowsky, S., Risbey, J. S., & Boslough, M. (2016, December). *Using bets to reveal people's opinions on climate change*. Poster presented at the annual meeting of the American Geophysical Union, San Francisco, CA.
- Lewandowsky, S., Risbey, J. S., Cowtan, K., & Rahmstorf, S. (2016, December). *Sources of Uncertainty and the Interpretation of Short-Term Fluctuations*. Paper presented at the annual meeting of the American Geophysical Union, San Francisco, CA.
- Lewandowsky, S. (2016, November). *When denial of the undeniable and logical incoherence are politically rational: An anatomy of climate change denial*. Paper presented at the international conference and workshop SCIECONS: Science and Conspiracy, Padova, Italy.
- Lewandowsky, S. (2016, November). *Your Research! In the Psychonomic social media spotlight*. Poster presented at the 57<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Lewandowsky, S., Somerwill, L., Ballard, T., & Brown, G. D. A. (2016, November). *Cognitive vs. Normative Construals of Uncertainty*. Paper presented at the 57<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.

- Swire, B., Berinsky, A., Ecker, U. K. H., & Lewandowsky, S. (2016, November). *Processing Political Misinformation—Comprehending the Trump Phenomenon*. Poster presented at the 57<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Lewandowsky, S. (2016, October). *Predicting and Busting (?) Vaccination Myths*. Paper presented at the annual meeting of Healthwatch, London.
- Lewandowsky, S. (2016, October). *When denial of the undeniable is politically rational: An anatomy of climate denial*. Paper presented at the conference on Climate denialism/skepticism in a warming world, Linköping, Sweden.
- Lewandowsky, S. (2016, October). Panel member, *Publishing Better Science through Better Data 2016 (#scidata16)*. London, UK.
- Lewandowsky, S., Freeman, M. C., & Mann, M. E. (2016, July). *Quantitative constraints on the intergenerational social discount rate in climate change*. Paper presented at the 15th Annual Summer Interdisciplinary Conference, Selva, Italy.
- Lewandowsky, S. (2016, June). *Predicting and busting (?) vaccination myths*. Paper presented at the 16th Biennial European Conference of the Society for Medical Decision Making. London.
- Lewandowsky, S. (2016, May). *The Jekyll and Hyde of scientific discourse on the internet*. Keynote at the Digital dE-BiAsing Techniques for an Engaged Society (DebaTES) Conference. Newcastle.
- Lewandowsky, S., & Bishop, D. (2016, May). *The dark side of Open Science: Weaponizing Transparency*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.
- Lewandowsky, S., Gordon, A., & Quadflieg, S. (2016, May). *The neural underpinnings of the continued reliance on misinformation after its correction*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.
- Lewandowsky, S., Oberauer, K., & The Working Memory Benchmarks Team. (2016, May). *The experts' view on working memory*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.
- Oberauer, K., Lewandowsky, S., Farrell, S., Jarrold, C. (2016, May). *A Domain-General Model of Domain-Specific Effects in Working Memory*. Paper presented at the International Meeting of the Psychonomic Society. Granada, Spain.

- Oreskes, N., & Lewandowsky, S. (2015, December). *Reticence: Accuracy and Efficacy*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S. (2015, December). *Motivated rejection of (climate) science: causes, tools, and effects*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S., Risbey, J. S., & Oreskes, N. (2015, December). *Uncertainty as impetus for climate mitigation*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S. (2015, November). *Rehearsal in serial recall: An unworkable solution to the non-existent problem of decay*. Paper presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Lewandowsky, S. (2015, September). *The Quantum Mechanics of the Rejection of (Climate) Science: Achieving Coherence by Conspiracism*. Paper presented at the conference Suspect Science: Climate Change, Epidemics, and the Questions of Conspiracy, Cambridge, UK.
- Lewandowsky, S., Oreskes, N., Risbey, J. S., Newell, B. R., & Smithson, M. (2015, July). *Seepage: The Effect of Climate Change Denial on the Scientific Community*. Paper presented at the 14th Annual Summer Interdisciplinary Conference, Mammoth Lakes, CA.
- Lewandowsky, S., Oreskes, N., Risbey, J. S., Newell, B. R., & Smithson, M. (2015, July). *Seepage: The Effect of Climate Change Denial on the Scientific Community*. Paper presented at the meeting of the International Society of Political Psychology, San Diego, CA.
- Lewandowsky, S., & Cook, J. (2015, June). *Vested Interests, Perceived Scientific Consensus, and Belief in Anthropogenic Global Warming*. Paper presented at the meeting of the Society for Applied Research in Memory and Cognition, Victoria, B.C., Canada.
- Lewandowsky, S. (2015, June). *Scientific knowledge and epistemic beliefs*. Paper presented at the workshop Innovations and Advances in Survey-Based Research on Public Attitudes towards Science, Castle Rauschholzhausen, Germany.
- Lewandowsky, S. (2015, May). *Computational Modeling of Cognition: Rewards and Challenges*. Paper presented at the Annual Meeting of the Association for Psychological Science, New York.

- Cook, J., & Lewandowsky, S. (2014, December). *Prebunking is the new debunking: using inoculation to neutralise climate misinformation*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S. (2014, December). *Our Globe vs. Our Brain: Modeling and Understanding the Climate vs. Human Cognition*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S. (2014, October). *How to deal with the denial machine*. Paper presented at the conference on Climate Psychology and Solutions, Oslo, Norway.
- Lewandowsky, S. (2014, July). *Mechanisms of forgetting in short-term and working memory*. Paper presented at the International Conference on Working Memory, Cambridge, UK.
- Lewandowsky, S., Ecker, U. K. H., & Oberauer, K. (2014, June). *Evidence for Removal of Information From Working Memory*. Paper presented at the 13th Annual Summer Interdisciplinary Conference, Moab, UT.
- Lewandowsky, S. (2014, May). *The Psychology of Controversial Sciences: Perceptions, Cognitions, and Worldviews*. Paper presented at the Doctoral School *Science and the Public*, Marburg, Germany.
- Lewandowsky, S., Brown, G. D. A., & Cook, J. (2013, December). *Modeling the Uptake of Scientific Information by the Public and Opinion Flow in Society*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S., & Cook, J. (2013, December). *Communicating More Effectively with Public Audiences*. Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Oreskes, N., & Lewandowsky, S. (2013, December)? *Uncertainty Assessment: A Form of Seepage?* Paper presented at the Fall Meeting of the American Geophysical Union, San Francisco.
- Lewandowsky, S., & Ecker, U. K. H., & Oberauer, K. (2013, November). *Evidence for Active Removal of Information From Working Memory*. Paper presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Lewandowsky, S. (2013, November). *Future Global Change and Cognition*. Symposium organized at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.

- Lewandowsky, S. (2013, October). *Human Cognition and Acceptance vs. Rejection of (Climate) Science*. Invited paper presented at the 48th Annual Conference of the Australian Psychological Society, Cairns.
- Lewandowsky, S., Risbey, J. S., Smithson, M., Newell, B. R., & Hunter, J. (2013, September). *Scientific uncertainty and climate change: Constraints on policy choices provided by an ordinal analysis of uncertainty*. Paper presented at symposium on Forecasting, monitoring, controlling: Dealing with a dynamic world, UCL, London, UK.
- Lewandowsky, S., & Oberauer, K. (2013, September). *Rehearsal in Working Memory: Friend or Enemy of Retention?* Paper presented at CogDev2013, the Joint Annual Conference of the BPS Cognitive and Developmental Sections, Reading, UK.
- Cook, J., & Lewandowsky, S. (2013, August). *The biasing influence of worldview on climate change attitudes and belief polarization*. Paper presented at the 46th Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.
- Ecker, U. K. H., Lewandowsky, S., & Brown, G. D. A. (2013, August). *Implementing a consolidation mechanism into SIMPLE*. Paper presented at the 46th Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.
- Lewandowsky, S., & Oberauer, K. (2013, August). *Rehearsal in working memory: Friend or enemy of retention?* Paper presented at the 46th Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.
- Lewandowsky, S. (2013, August). *Global change and cognition*. Symposium held at the 35th Annual Cognitive Science Conference, Berlin, Germany. (With M. Ranney, G. Brown, J. Cook, B. R. Newell, U. K. H. Ecker.)
- Ecker, U. K. H., Lewandowsky, S., & Oberauer, K. (2013, August). *Removal of information from memory*. Paper presented at the 35th Annual Cognitive Science Conference, Berlin, Germany.
- Little, D. R., Lewandowsky, S., & Craig, S. (2013, August). *Working memory capacity and fluid abilities: The more difficult the item, the more more is better*. Paper presented at the 35th Annual Cognitive Science Conference, Berlin, Germany.
- Brown, G. D. A., Lewandowsky, S., & Huang, Z. (2013, July). *Social sampling theory: a model of social norms, segregation, and polarisation*. Paper presented at the 12<sup>th</sup> Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

Cook, J., & Lewandowsky, S. (2013, July). *Modeling Updating of Climate Change Beliefs Using Bayesian Networks*. Paper presented at the 12<sup>th</sup> Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

Oberauer, K., & Lewandowsky, S. (2013, July). *Modeling Updating of Working Memory*. Paper presented at the 12<sup>th</sup> Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

Lewandowsky, S., Oreskes, N., Risbey, J. S., Newell, B. R., & Smithson, M. (2013, June). *Scientific uncertainty in public discourse: the case for seepage into the scientific community*. Invited talk, American Geophysical Union Chapman Conference, Granby, Colorado.

Lewandowsky, S. (2013, May). *Misinformation and its correction: Continued influence and successful debiasing*. Invited address for Psychological Society in the Public Interest, Annual meeting of the Association for Psychological Science, Washington, D.C.

Lewandowsky, S., & Oberauer, K. (2013, February). *Rehearsal in working memory: With friends like these, memory needs no enemies*. Paper presented at the 2013 Australasian Mathematical Psychology Conference, Sydney, Australia.

#### Post-Doctoral Fellows Supervised:

- Dr Tim Ballard (Post-doctoral Fellow 2013-2014). PhD 2015 University of Western Australia.
- Dr Mark Hurlstone (Research Associate 2012-2014). PhD 2011, University of York.
- Dr Ullrich K. H. Ecker (Research Associate 2008-2010). PhD 2007. Universität des Saarlandes.
- Dr Sonja M Geiger (Research Associate 2006-2007). PhD 2007. Universität Potsdam.
- Dr Lisa M Nimmo (Research Associate 2004-2005). PhD 2004 University of Wollongong
- Dr Mathew Duncan (Research Associate 2001-2003). PhD 2001 University of Toronto

#### PhD Students Supervised or Co-Supervised (to completion):

- Andrew Gordon (PhD 2018, University of Bristol), currently post-doctoral fellow, University of California Davis Medical Center.
- Briony Swire (PhD 2017 at University of Western Australia), currently post-doctoral fellow, Northeastern University and Harvard University
- Marcel Niklaus (PhD 2017 at University of Zurich)

- John Cook (PhD 2016 at University of Western Australia), currently Research Assistant Professor, George Mason University.
- Jacqueline Haupt (PhD 2015 at University of Western Australia).
- Stewart Craig (PhD 2012).
- David Sewell (PhD 2008), Lecturer, University of Queensland.
- Erin Colreavy (PhD 2008).
- Dan Little (PhD 2008), Senior Lecturer, University of Melbourne.
- Joseph Clare (PhD 2004), Lecturer, Murdoch University.
- Lee-Xieng Yang (PhD 2004), Lecturer, National Chung-Chen University, Taiwan.
- Simon Farrell (Ph.D. 2001), Future Fellow and Professor, University of Western Australia.
- Shu-Chen Li (Ph.D. 94), Post-Doctoral Fellow, McGill University (94-95); Senior Research Scientist, Max-Planck Institute for Human Development, Berlin (95-); Professor, Technische Universität Dresden (2012-).

#### Conferences Organized:

- *Conference on Implicit Memory*. August 1988, Perth, Australia (30 participants)
- *Conference in honor of Bennet B. Murdock's 65th birthday*. June 1990, Toronto, Canada (25 participants)
- *26th Annual Meeting of the Society for Mathematical Psychology* (with Scott D. Gronlund & Herve Abdi). August 1993, Norman, OK (100 participants)
- *23rd Annual Australian Experimental Psychology Conference*. April 1996, Perth, Australia (100+ participants)
- *Australian Mathematical Psychology Conference* (with Mike Kalish & John C. Dunn). November 1997, Perth, Australia (40 participants)
- *Australasian Cognitive Science Conference* (with others). April, 2002, Fremantle, Australia (100+ participants)
- *Workshop on Concept Formation and Memory* (with Lisa Nimmo). July 2006, Margaret River, Australia (25+ participants)
- *Symposium on Terrorism and torture: The media, psychology, and public perceptions* (with Werner Stritzke, David Denmark, Frank Morgan, and Joe Clare). August 2007, Perth, Australia (50+ participants).
- *Australasian Mathematical Psychology Conference* (with Ullrich Ecker). February 2010, Margaret River, Australia.



- Conference on *Climate Change Mitigation and Adaptation: Opportunities and Challenges* (with Richard Harper and Iain Walker). March 2012, Perth (100+ attendees).
- SNF International workshop on *Benchmarks in Working Memory*, (Klaus Oberauer and Stephan Lewandowsky). July 2014, Lucerne, Switzerland.
- SNF International workshop on *Benchmarks in Working Memory*, (Klaus Oberauer and Stephan Lewandowsky). July 2015, Vitznau, Switzerland.
- World University Network meeting on *Responding and Adapting to Climate Change: Recognizing and Managing Uncertainty in the Physical, Social, and Public Spheres*. (with Richard Pancost and Tim Ballard). September 2014, Bristol, UK.
- Member, Program Committee, *SARMAC XII* (Annual meeting of the Society for Applied Research in Memory and Cognition), Sydney, Australia, January 2017.
- Member, Program Committee, *Conference on Climate Communication*, Salzburg, Austria, September 2017.

#### Reviews (representative sample of journals):

*American Journal of Psychology; Applied Cognitive Psychology; Australian Journal of Psychology; British Journal of Psychology; Canadian Journal of Psychology; Canadian Journal of Experimental Psychology; Cognitive Science; Climatic Change, Climate Dynamics; Energy Policy; European Journal of Cognitive Psychology; Global Environmental Change, Human Brain Mapping, International Journal of Psychology; Journal of Computational and Graphical Statistics; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Experimental Psychology: Applied; Journal of Mathematical Psychology; Journal of Memory and Language; Machine Learning; Memory; Memory & Cognition; Nature Climate Change, Psychological Research; Psychological Review; Psychological Science; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Australian Research Council; National Science Foundation (U.S.A.); ESRC (UK).*

#### Invited Colloquia (representative sample):

University of New South Wales, Sydney, Australia; University of Adelaide, Adelaide, Australia; University of Auckland, Auckland, New Zealand; University of British Columbia, Vancouver, B.C., Canada; Queen's University, Kingston, Ontario, Canada; McGill University, Montreal, Canada; Simon Fraser University, Vancouver, B.C., Canada; Oklahoma State University, Stillwater, OK;

National Center for Health Statistics, Washington, D.C.; University of Western Australia, Perth, Australia; Trinity University, San Antonio, TX; Max Planck Institute, Berlin, Germany; Technische Universität Berlin, Berlin, Germany; Aeronautical Research Laboratories, DSTO Melbourne, Australia; University of New Mexico; University of Texas at Arlington; University of Texas at Dallas; McMaster University, Hamilton, Ontario, Canada; Universität Heidelberg, Germany; Battelle Research, Seattle; James Cook University, Queensland, Australia; Murdoch University, Perth, Australia; University of New England, Armidale, NSW, Australia; Deutsche Luft- und Raumfahrt Forschungsanstalt, Braunschweig, Germany; Max-Planck Institute Tübingen, Germany; Universität Potsdam, Germany; Universität Halle, Germany; LaTrobe University, Melbourne, Australia; Indiana University, Bloomington, IN.; University of Bristol, U.K.; University of Helsinki, Finland; University of York, U.K.; University of Edinburgh, U. K.; City University of London, U.K.; National Chengchi University, Taipei, Taiwan; University of Melbourne; Murdoch University; London School of Economics; University of Oxford; University of Kassel; University of Amsterdam; Dutch Environmental Agency (BPL), Bilthoven, Netherlands; University of Ghent, Belgium; University of Basel, Switzerland; University of Adelaide, Australia; CSIRO Hobart, Australia; University of Leeds; University of Reading; Swansea University; University College London; United Nations Foundation, Washington, D.C.; University of Bergen, Norway; University of Leuven, Belgium; University of Hertfordshire, UK; University of Warwick, UK.; University of Tasmania, Hobart, Tasmania; Potsdam Institute for Climate Impact Research; Boston University; Institute for Marine and Antarctic Studies, Hobart, Tasmania.

#### Professional Associations:

Member, American Geophysical Union; Member, Psychonomic Society; Member, Society for Mathematical Psychology; Member, Society for Applied Research in Memory & Cognition; Member, Cognitive Science Society; Member, Association for Psychological Science; Member, Experimental Psychology Society (UK); Associate, *Behavioral and Brain Sciences*.

#### Public Engagement Activities:

Available upon request.

#### Teaching and Administrative Activities:

Available upon request.