

CURRICULUM VITAE

Dr Ullrich K H Ecker

Associate Professor

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Date of birth January 1978
Marital status Married to Birgit, 2 children Toby Jonah (*2004) & Daniel James (*2007)
Nationality German; Permanent resident of Australia

Education

2007 PhD (magna cum laude), Department of Psychology, Saarland University, Germany (neurocognition of memory)
 2003 Undergraduate degree in psychology (“Diplom-Psychologe”, with distinction), Saarland University, Germany (majors: cognitive, developmental, clinical psychology, diagnostics; minor: psychiatry)
 1982-1996 School education in Germany and Australia

Professional Employment

Since 2016 Associate Professor (Level D) , School of Psychological Science, University of Western Australia
 Since 2014 Honorary Research Collaborator, University of Bristol
 2012-2016 Senior Research Fellow / Senior Lecturer (Level C; tenured), School of Psychology, University of Western Australia
 2011-2012 Research Fellow (Level B; tenure-track), School of Psychology, University of Western Australia
 2008-2010 Postdoctoral Research Associate (Level A), Cognitive Science Lab, School of Psychology, University of Western Australia
 2004-2007 Clinical assessor for family courts (AG Rechtspsychologie, Saarlouis, Germany)
 1999-2007 Research Assistant, Brain & Cognition Lab, Dept. of Psychology, Saarland University, Germany
 2004-2005 Research Assistant, Neuroimaging Lab, Saarland University Hospital, Germany
 1996-1997 Civilian service at a neurological rehabilitation hospital (Reha-Med-Klinik) in Homburg, Germany

Memberships and Affiliations

Society for Applied Research in Memory and Cognition (2017)

Fellow of the Psychonomic Society (since 2014)

University of Western Australia Researchers' Association (since 2009)

Association for Psychological Science (since 2008)

Deutsche Gesellschaft für Psychologie (German Psychological Society; since 2007)

Cognitive Science Society (2009; 2013)

Mentor for The Smith Family—a charity supporting disadvantaged Australian youths (2010)

Grants, Fellowships & Awards

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| 2018 | UWA Business School Future Fund Research Grant, "Trump, Twitter and shiny objects", Jetter et al., AU\$10k |
| 2017 | UWA School of Psychological Science's Undergraduate Teaching Achievement Award |
| 2017 | UWA Vice-Chancellor's Recognition for Consistently Excellent Unit |
| 2017 | UWA Student Guild's Student Choice Teaching Award (Faculty of Science) |
| 2017 | Australian Department of Social Services ASELCC Research Project, "Debunking autism treatment myths", Paynter et al., AU\$89k+ |
| 2016-2019 | ARC Discovery Project, "The psychology of misinformation—Towards a theory-driven understanding"; Chief Investigator, with S Lewandowsky (Bristol) & G Brown (Warwick), AU\$434k+ |
| 2015 | UWA Faculty of Science Rising Star Award, 2 nd prize |
| 2014 | UWA Vice Chancellor's Mid-Career Research Award |
| 2013 | Worldwide Universities Network Research Development Award, "Responding and adapting to climate change: Recognizing and managing uncertainty in the physical, social, and public spheres", Lewandowsky et al., GBP13k+ (~AU\$24k) |
| 2013 | UWA Research Collaboration Award, "Memory Models and Neuroimaging", Ecker et al., AU\$19k |
| 2012 | Western Australian Science Award (Early Career Scientist of the Year), Finalist |
| 2012 | Australian Museum's Outstanding Young Researcher Eureka Award, Nominee |
| 2012 | Excellence in Coursework Teaching Award (Early Career Teaching), UWA Faculty of Life and Physical Sciences |
| 2011 | UWA Outstanding Young Investigator Award |
| 2011-2015 | ARC Australian Postdoctoral Fellowship |
| 2011-2015 | ARC Discovery Project, "Memory consolidation—Integrating cognitive science and neuroscience approaches to how we remember and how we forget"; Chief Investigator, with M Maybery (UWA), G Brown (Warwick) & R Henson (Cambridge), AU\$422k |
| 2009 | Postdoctoral Award for "Best work accepted for publication by a UWA early-career researcher", special commendation |

- 2009-2010 UWA School of Psychology Postdoctoral Fellowship Development Program, AU\$27k
- 2009 UWA Research Development Award, “Intrinsic & Extrinsic Binding in Working Memory”, AU\$20k

Teaching

- 2015-2019 Unit “Psychological Research Communication Skills” (UWA PSYC4410; 75 students)
- 2011-2019 Unit “Cognitive Psychology” (UWA PSYC2215/3315; 500+ students)
- 2012-2018 Cognition module of Unit “Psychology: Mind and Brain” (UWA PSYC1101; 900+ students)
- 2012-2013 Unit “Specialist Research Topics” (UWA PSYC3311 at PSB Academy Singapore, 15 students)
- 2010-2013 Unit “Cognitive Psychology” (UWA PSYC2215 at PSB; 20 students)
- 2007 Unit “Milestones of Memory Research” (Saarland University, 14 students)

Service

- 2017-2019 Director, Community and Engagement, UWA School of Psychological Science
- 2017-2019 Member, Community and Engagement Committee, UWA Faculty of Science
- 2017-2019 Member, International Development Strategy Group, UWA Faculty of Science
- 2017-2019 Member, Planning & Advisory Group, UWA School of Psychological Science
- 2015-2019 Chair, Colloquium Committee, UWA School of Psychological Science
- 2015-2019 Honours Conference Organizer, UWA School of Psychological Science
- 2011 Member, Master’s Marking Panel, UWA School of Psychological Science
- 2009-2019 Member, Honours Marking Panel, UWA School of Psychological Science

Research Supervision

- Ongoing: 3 Honours students, 4 PhD students, 1 MPsych/PhD student
- Completed: 24 Honours students; 4 postgraduate students: Dr Olivia Fenton (DPsych); Dr Candy Cheung (MPsych/PhD); Dr John Cook (PhD); Dr Briony Swire (PhD); 1 postdoctoral researcher: Dr Chris Brydges

Manuscript Reviewing

Acta Psychologica / American Journal of Political Science / American Journal of Psychology / American Psychologist / Annals of the New York Academy of Sciences / Australian Journal of Psychology / Behavioral and Brain Functions / Brain and Cognition / Brain Research / Climate / Clinical Medicine Insights: Psychiatry / Cognition / Cognitive Neurodynamics / Cognitive Processing / Cognitive Science Society / Cognitive, Affective, and Behavioral Neuroscience / Communication Monographs / Consciousness and Cognition / Contemporary Educational Psychology / Cortex / Current Directions in Psychological Science / Developmental Psychology / Discourse Processes / Emotion / Experimental Psychology / International Journal of Psychophysiology / Japanese Psychological Research / Journal of Applied Research in Memory

& Cognition / Journal of Cognitive Neuroscience / Journal of Cognitive Psychology / Journal of Communication / Journal of Experimental Psychology: Applied / Journal of Experimental Psychology: Learning, Memory, and Cognition / Journal of Memory and Language / Memory / Memory & Cognition / Neuropsychologia / PLOS ONE / Political Behavior / Psychology & Neuroscience / Quarterly Journal of Experimental Psychology / Scandinavian Journal of Psychology / Social Influence

Grant Reviewing

ARC (Discovery, Linkage, Future Fellowship, DECRA) / Austrian Science Foundation FWF / BBSRC (UK) / ESRC (UK) / MRC (UK) / National Science Foundation (USA) / Israel Science Foundation / Wellcome Trust (UK)

Publications (Note: ^ denotes student co-authorship)

Manuscripts submitted for publication

- P8. ^MacFarlane, D., Hurlstone, M. J., & **Ecker, U. K. H.** (2018). Reducing demand for unsupported health remedies: A taxonomy for overcoming psychological barriers.
- P7. ^Gordon, A., **Ecker, U. K. H.**, & Lewandowsky, S. (2018). Polarity and attitude effects in the continued-influence paradigm.
- P6. Hamby, A. M., Brinberg, D., & **Ecker, U. K. H.** (2018). How stories in memory perpetuate the continued influence of false information.
- P5. Paynter, J., ^Luskin-Saxby, S., Keen, D., Fordyce, K., Frost, G., Imms, C., Miller, S., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2018). Evaluation of a template for countering misinformation—Real-world autism treatment myth debunking.
- P4. **Ecker, U. K. H.**, ^O'Reilly, Z., ^Reid, J. S., & ^Chang, E. P. (2018). The effectiveness of short-format refutational fact-checks.
- P3. ^Gordon, A., Quadflieg, S., Brooks, J. C. W., **Ecker, U. K. H.**, & Lewandowsky, S. (2018). Keeping track of 'alternative facts': The neural correlates of processing misinformation corrections.
- P2. Brydges, C. R., ^Gordon, A., & Ecker, U. K. H. (2018). Exploring the electrophysiological correlates of the continued influence effect of misinformation. doi: 10.31234/osf.io/4zjyh
- P1. Swire, B., Berinsky, A., Lewandowsky, S., & **Ecker, U. K. H.** (2018). They might be a liar but they're my liar: Source evaluation and the prevalence of misinformation.

Peer-reviewed papers (Note: Impact factors (IF), Article Influence Scores (AIS), journal rankings, rank quartiles, and top-20% classifications from year of publication or closest year available. Current median IF of 'Experimental Psychology' is approx. 1.9)

- 51. ^Aird, M., **Ecker, U. K. H.**, Swire, B., Berinsky, A., & Lewandowsky, S. (2018). Does truth matter to voters? The effects of correcting political misinformation in an Australian sample. *Royal Society Open Science*. [IF 2.50; AIS 0.95; 17/64; Q2]
- 50. ^Chang, E. P., **Ecker, U. K. H.**, & Page, A. C. (2018). Not wallowing in misery—Retractions of negative misinformation are effective in dysphoric rumination. *Cognition and Emotion*. [IF 2.56; AIS 1.08; 26/85; Q2]
- 49. ^MacFarlane, D., Hurlstone, M., & **Ecker, U. K. H.** (2018). Reducing demand for ineffective health remedies: Overcoming the illusion of causality. *Psychology & Health*. [IF 2.46; AIS 0.92; 31/156; Q1; top20%]

48. **Ecker, U. K. H.**, Lewandowsky, S., ^Jayawardana, K., & ^Mladenovic, A. (2018). Refutations of equivocal claims: No evidence for an ironic effect of counterargument number. *Journal of Applied Research in Memory and Cognition*. [IF 2.43; AIS 1.22; 27/85; Q2]
47. **Ecker, U. K. H.**, & ^Ang, L. C. (2018). Political attitudes and the processing of misinformation corrections. *Political Psychology*. [IF 2.76; AIS 1.64; 15/165; Q1; top20%]
46. Brydges, C. R., Gignac, G. E., & **Ecker, U. K. H.** (2018). Working memory capacity predicts ongoing reliance on misinformation: A latent-variable analysis. *Intelligence*. [IF 2.98; AIS 1.10; 22/129; Q1; top20%]
45. ^Singh, K. A., Gignac, G. E., Brydges, C. R., & **Ecker, U. K. H.** (2018). Working memory capacity mediates the relationship between removal and fluid intelligence. *Journal of Memory and Language*, *101*, 18-36. [IF 3.07; AIS 2.01; 2/182; Q1; top20%]
44. ^Kirmsse, A., Zimmer, H. D., & **Ecker, U. K. H.** (2018). Age-related changes in working memory: Age affects relational but not conjunctive feature binding. *Psychology and Aging*, *33*, 512-526. [IF 2.81; AIS 1.48; 7/32; Q1]
43. 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. [IF 2.85; AIS 1.30; 21/84; Q1]
42. ^Gordon, A., Brooks, J. C. W., Quadflieg, S., **Ecker, U. K. H.**, & Lewandowsky, S. (2017). Exploring the neural substrates of misinformation processing. *Neuropsychologia*, *106*, 216-224. [IF 3.20; AIS 1.30; 13/84; Q1; top20%]
41. 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. [IF 2.85; AIS 1.30; 21/84; Q1]
40. ^Allanson, F., & **Ecker, U. K. H.** (2017). No evidence for a role of reconsolidation in updating of paired associates. *Journal of Cognitive Psychology*, *29*, 912-919. [IF 1.50; AIS 0.67; 57/84; Q3]
39. Cook, J., Lewandowsky, S., & **Ecker, U. K. H.** (2017). Neutralizing misinformation through inoculation: Exposing misleading argumentation techniques reduces their influence. *PLOS ONE*, *12*, e0175799. [IF 2.81; AIS 1.05; 15/64; Q1]
38. ^Swire, B., **Ecker, U. K. H.**, & Lewandowsky, S. (2017). The role of familiarity in correcting inaccurate information. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *43*, 1948-1961. [IF 2.67; AIS 1.31; 26/84; Q2]
37. ^Chang, E. P., **Ecker, U. K. H.**, & Page, A. C. (2017). Impaired memory updating associated with impaired recall of negative words in dysphoric rumination—Evidence for a removal deficit. *Behaviour Research and Therapy*, *93*, 22-28. [IF 4.06; AIS 1.76; 12/121; Q1; top20%]
36. ^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. [IF 2.24; AIS 0.80; 17/64; Q2]
35. **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. [IF 2.85; AIS 1.30; 21/84; Q1]
34. Trembath, D., Paynter, J., Keen, D., & **Ecker, U. K. H.** (2016). "Attention: Myth follows!" Facilitated communication, parent and professional attitudes towards evidence-based practice, and the power of misinformation. *Evidence-based Communication Assessment and Intervention*, *9*, 113-126. [SJR Cites-per-doc .34; SJR .21; 230/628; Q2]
33. **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. [IF 2.65; AIS 2.46; 2/169; Q1; top20%]

32. **Ecker, U. K. H.**, Brown, G. D. A., & Lewandowsky, S. (2015). Memory without consolidation: Temporal distinctiveness explains retroactive interference. *Cognitive Science*, *39*, 1570-1593. [IF 2.50; AIS 1.79; 25/83; Q2]
31. **Ecker, U. K. H.**, ^Tay, J.-X., & Brown, G. D. A. (2015). Effects of pre-study and post-study rest on memory: Support for temporal interference accounts of forgetting. *Psychonomic Bulletin & Review*, *22*, 772-778. [IF 2.99; AIS 1.63; 1/13; Q1; top20%]
30. ^Fenton, O. & **Ecker, U. K. H.** (2015). Memory updating in sub-clinical eating disorder: Differential effects with food and body-shape words. *Eating Behaviors*, *17*, 103-106. [IF 1.33; 70/111; Q3]
29. **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. [IF 2.43; AIS 1.39; 12/75; Q1; top20%]
28. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2014). Working memory updating involves item-specific removal. *Journal of Memory and Language*, *74*, 1-15. [IF 2.65; AIS 2.46; 2/169; Q1; top20%]
27. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2014). Removal of information from working memory: A specific updating process. *Journal of Memory and Language*, *74*, 77-90. [IF 2.65; AIS 2.46; 2/169; Q1; top20%]
26. **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. [IF 2.02; AIS 1.16; 34/83; Q2]
25. Hasan, A., Wobrock, T., Falkai, P., Schneider-Axmann, T., Guse, B., Backens, M., **Ecker, U. K. H.**, Heimes, J., Scherk, H., & Gruber, O. (2014). Hippocampal integrity and neurocognition in first-episode schizophrenia: A multidimensional study. *World Journal of Biological Psychiatry*, *15*, 188-199. [IF 4.23; AIS 0.88; 26/135; Q1; top20%]
24. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2013). Removal of information from working memory. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 400-405). Austin, TX: Cognitive Science Society.
23. **Ecker, U. K. H.**, Maybery, M. T., & Zimmer, H. D. (2013). Binding of intrinsic and extrinsic features in working memory. *Journal of Experimental Psychology: General*, *142*, 218-234. [IF 5.50; AIS 3.10; 3/83; Q1; top20%]
22. **Ecker, U. K. H.**, & Lewandowsky, S. (2012). Computational constraints in cognitive theories of forgetting. *Frontiers in Psychology*, *3* (400), 1-5. [IF 2.84; AIS 0.95; 20/127; Q1; top20%]
21. Lewandowsky, S., **Ecker, U. K. H.**, Seifert, C., Schwarz, N., & ^Cook, J. (2012; **joint first authorship**). Misinformation and its correction: Continued influence and successful debiasing. *Psychological Science in the Public Interest*, *13*, 106-131. [IF 12.83; 3/127; Q1; top20%]
20. Lewandowsky, S., **Ecker, U. K. H.**, Farrell, S., & Brown, G. D. A. (2012). Models of cognition and (unnecessary?) constraints from neuroscience: A case study involving consolidation. *Australian Journal of Psychology*, *64*, 37-45. [IF 0.94; AIS 0.43; 63/126; Q2]
19. Küper, K., Groh-Bordin, C., Zimmer, H. D., & **Ecker, U. K. H.** (2012). Electrophysiological correlates of exemplar-specific processes in implicit and explicit memory. *Cognitive, Affective, and Behavioral Neuroscience*, *12*, 52-64. [IF 3.87; AIS 2.29; 8/49; Q1; top20%]
18. **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. [IF 2.61; AIS 1.50; 1/13; Q1; top20%]

17. **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. [IF 1.96; AIS 1.04; 38/84; Q2]
16. **Ecker, U. K. H.**, Lewandowsky, S., & ^Tang, D. T. W. (2010). Explicit warnings reduce but do not eliminate the continued influence of misinformation. *Memory & Cognition*, *38*, 1087-1100. [IF 1.80; AIS 1.10; 42/81; Q3]
15. Zimmer, H. D., & **Ecker, U. K. H.** (2010; **joint first authorship**). Remembering perceptual features unequally bound in Object and Episodic Tokens: Neural mechanisms and their electrophysiological correlates. *Neuroscience and Biobehavioral Reviews*, *34*, 1066-1079. [IF 9.02; AIS 3.59; 3/47; Q1; top20%]
14. 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. [IF 2.40; AIS 1.32; 1/11; Q1; top20%]
13. Wobrock, T., Hasan, A., Malchow, B., Wolff-Menzler, C., Guse, B., Lang, N., Schneider-Axmann, T., **Ecker, U. K. H.**, & Falkai, P. (2010). Increased cortical inhibition deficits in first-episode schizophrenia with comorbid cannabis abuse. *Psychopharmacology*, *208*, 353-363. [IF 3.82; AIS 1.18; 47/252; Q1; top20%]
12. **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. [IF 2.76; AIS 1.60; 17/81; Q1]
11. **Ecker, U. K. H.**, ^Arend, A. M., ^Bergström, K., & Zimmer, H. D. (2009). Verbal predicates foster recollection but not familiarity of a task-irrelevant feature—An ERP study. *Consciousness & Cognition*, *18*, 679-689. [IF 2.14; AIS 0.97; 27/74; Q2]
10. Bermeitinger, C., ^Goelz, R., ^Johr, N., ^Neumann, M., **Ecker, U. K. H.**, & Doerr, R. (2009). The hidden persuaders break into the tired brain. *Journal of Experimental Social Psychology*, *45*, 320-326. [IF 2.24; AIS 1.67; 11/50; Q1]
9. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2009). Components of working memory updating. In N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 347-352). Austin, TX: Cognitive Science Society.
8. **Ecker, U. K. H.**, & Zimmer, H. D. (2009). ERP evidence for flexible adjustment of retrieval orientation and its influence on familiarity. *Journal of Cognitive Neuroscience*, *21*, 1907-1919. [IF 5.38; AIS 2.69; 3/74; Q1; top20%]
7. Wobrock, T., **Ecker, U. K. H.**, Scherk, H., Schneider-Axmann, T., Falkai, P., & Gruber, O. (2009). Cognitive impairment of executive function as a core symptom of schizophrenia. *World Journal of Biological Psychiatry*, *10*, 442-451. [IF 5.56; AIS 0.98; 8/117; Q1; top20%]
6. Wobrock, T., Schneider, M., Kadovic, D., Schneider-Axmann, T., **Ecker, U. K. H.**, Retz, W., Rösler, M., & Falkai, P. (2008). Reduced cortical inhibition in first-episode schizophrenia. *Schizophrenia Research*, *102*, 252-261. [IF 4.17; AIS 1.45; 9/94; Q1; top20%]
5. **Ecker, U. K. H.**, Zimmer, H. D., & ^Groh-Bordin, C. (2007). Color and context: An ERP study on intrinsic and extrinsic feature binding in episodic memory. *Memory & Cognition*, *35*, 1483-1501. [IF 1.60; AIS 0.99; 34/74; Q2]
4. **Ecker, U. K. H.**, Zimmer, H. D., & ^Groh-Bordin, C. (2007). The influence of object and background color manipulations on the electrophysiological indices of recognition memory. *Brain Research*, *1185*, 221-230. [IF 2.22; AIS 0.70; 133/231; Q3]
3. **Ecker, U. K. H.**, Zimmer, H. D., ^Groh-Bordin, C., & Mecklinger, A. (2007). Context effects on familiarity are familiarity effects of context—An electrophysiological study. *International Journal of Psychophysiology*, *64*, 146-156. [IF 2.21; AIS 0.88; 15/74; Q1]

2. ^Groh-Bordin, C., Zimmer, H. D., & ^Ecker, U. K. H. (2006). Has the butcher on the bus dyed his hair? When color changes modulate ERP correlates of familiarity and recollection. *NeuroImage*, 32, 1879-1890. [IF 5.56; AIS 2.46; 27/231; Q1; top20%]
1. Zimmer, H. D., Steiner, A., & ^Ecker, U. K. H. (2002). How “implicit” are implicit color effects in memory? *Experimental Psychology*, 49, 120-131. [IF 1.89; AIS 1.03; 36/74; Q2]

Book chapters and books

- B7. Paynter, J., Ecker, U. K. H. Trembath, D., Sulek, R., & Keen, D. (2019). Misinformation in autism spectrum disorder and education. In P. Kendeou & D. Robinson (Eds.), *Quackery and Fake News in Education*. Charlotte, NC: IAP.
- B6. ^Swire, B. & Ecker, U. K. H. (2018). Misinformation and its correction: Cognitive mechanisms and recommendations for mass communication. In B. G. Southwell, E. A. Thorson, & L. Sheble (Eds.), *Misinformation and Mass Audiences* (pp. 195-211). Austin, TX: University of Texas Press.
- B5. ^Cook, J., Ecker, U. K. H., & Lewandowsky, S. (2015). Misinformation and how to correct it. In R. Scott & S. Kosslyn (Eds.), *Emerging Trends in the Social and Behavioral Sciences* (pp. 1-17). Hoboken, NJ: Wiley. doi: 10.1002/9781118900772.etrds0222
- B4. Ecker, U. K. H., ^Swire, B., & Lewandowsky, S. (2014). Correcting misinformation—A challenge for education and cognitive science. In D. N. Rapp & J. L. G. Braasch (Eds.), *Processing Inaccurate Information: Theoretical and Applied Perspectives from Cognitive Science and the Educational Sciences* (pp. 13-38). Cambridge, MA: MIT Press.
- B3. Ecker, U. K. H. (2007). *Objects in context. The neurocognitive representation, binding, and processing of object and context features in recognition memory—An electrophysiological approach*. Saarbrücken, Germany: VDM.
- B2. ^Ecker, U. K. H., ^Groh-Bordin, C., & Zimmer, H. D. (2004). Electrophysiological correlates of specific feature binding in remembering—Introducing a neurocognitive model of human memory. In A. Mecklinger, H. D. Zimmer, & U. Lindenberger (Eds.), *Bound in Memory—Insights from Behavioral and Neuropsychological Studies* (pp.159-193). Aachen, Germany: Shaker.
- B1. ^Ecker, U. K. H. (2002). *Implicit colour-congruency effects in object priming—A study on token construction in amnesics*. Unpublished Honours thesis (“Diplomarbeit”), Saarland University, Germany.

Other publications

07. ^Chang, E. P. & Ecker, U. K. H. (2018). Self-referential ratings for valenced words in depressive rumination. doi: 10.17605/osf.io/43vfx
06. Brydges, C. R., Ecker, U. K. H., & Gordon, A. (2018). Exploring the electrophysiological correlates of the continued influence effect of misinformation. doi: 10.17605/osf.io/wusb8
05. Brydges, C. R., & Ecker, U. K. H. (2018). Updating misinformation in memory after correction: An event-related potentials (ERP) study. doi: 10.31234/osf.io/bcuk5
04. Brydges, C. R., ^Gordon, A., & Ecker, U. K. H. (2018). Exploring the electrophysiological correlates of encoding retractions of misinformation. 10.31234/osf.io/e2zaq
03. ^Singh, K. A., Gignac, G. E., Brydges, C. R., Rey-Mermet, A., & Ecker, U. K. H. (2018). Interference control in working memory. doi: 10.31234/osf.io/fjrnq.
02. Ecker, U. K. H. (2017). Why rebuttals may not work: The psychology of misinformation. *Media Asia*.

01. **Ecker, U. K. H.** (2009). Book review of *The Visual World in Memory*, edited by J. R. Brockmole, Psychology Press, 2008. *Perception*, 38, 1871-1874.

Published abstracts, talks, and symposia

54. Paynter, J., ^Luskin-Saxby, S., Frost, G., Fordyce, K., Imms, C., Keen, D., Miller, S., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2018). Debunking intervention misinformation in autism: An application of debunking principles. (talk) *Australasian Society for Autism Research Conference, ASfAR 2018*, Gold Coast, Australia, December 6-7, 2018.
53. ^MacFarlane, D., Hurlstone M. J., Ecker, U. K. H. (2018) Reducing demand for unsupported health remedies (poster). *Evidence to action: Research to address the illegal wildlife trade, IWT18*, London, UK, October 9, 2018.
52. Paynter, J., ^Luskin-Saxby, S., DeBlasio, A., Frost, G., Fordyce, K., Imms, C., Keen, D., Miller, S., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2018). Early intervention providers' knowledge and use of autism intervention practices: The challenge of misinformation (poster). *International Society for the Study of Behaviour Development*, Gold Coast, Australia, July 15-19, 2018.
51. Lewandowsky, S., Swire, B., & **Ecker, U. K. H.** (2018). Are we "post-truth" or "post-caring"? When political affect becomes decoupled from truth. *Psychonomics International*, Amsterdam, the Netherlands, May 10-12, 2018.
50. Paynter, J., ^Luskin-Saxby, S., DeBlasio, A., Frost, G., Fordyce, K., Imms, C., Keen, D., Miller, S., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2018). Identifying and combating misinformation in autism (poster). *International Society for Autism Research, INSAR 2018*, Rotterdam, the Netherlands, May 9-12, 2018.
49. ^Chang, E. P., **Ecker, U. K. H.**, & Page, A. P. (2018). Looking for silver linings, not wallowing in misery—Retractions of negative misinformation are effective in dysphoric rumination (poster). *45th Australasian Experimental Psychology Conference, EPC 18*, Hobart, Australia, April 4-7, 2018.
48. Brydges, C. R., Gignac, G. E., & **Ecker, U. K. H.** (2018). Working memory capacity predicts ongoing reliance on misinformation: A latent-variable analysis. *Australasian Mathematical Psychology Conference, AMPC 2018*, Perth, Australia, February 13-15, 2018.
47. Swire, B., Berinsky, A., Lewandowsky, S., & **Ecker, U. K. H.** (2017). Source evaluation and the prevalence of misinformation. (poster) *Annual Meeting of the Psychonomic Society*, Vancouver, Canada, November 9-12, 2017.
46. ^Singh, K. A., **Ecker, U. K. H.**, Gignac, G. E., & Brydges, C. R. (2017). Individual differences in the removal of information from working memory (talk). *20th Meeting of the European Society of Cognitive Psychology, ESCoP 2017*, Potsdam, Germany, September 3-6, 2017.
45. **Ecker, U. K. H.** (2017). Misinformation: Implications and effects of worldview (talk). *12th Biennial Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XII*, Sydney, Australia, January 3-6, 2017.
44. **Ecker, U. K. H.** (2017). The continued influence effect of misinformation. (symposium). *12th Biennial Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XII*, Sydney, Australia, January 3-6, 2017.
43. **Ecker, U. K. H.** (2017). The continued influence effect of misinformation—Source credibility and backfire effects. (talk). *12th Biennial Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XII*, Sydney, Australia, January 3-6, 2017.
42. **Ecker, U. K. H.** (2016). Misinformation corrections and the worldview backfire effect. (talk) *Annual Meeting of the Psychonomic Society*, Boston, USA, November 17-20, 2016.

41. ^Swire, B., Berinsky, A. J., Lewandowsky, S., & **Ecker, U. K. H.** (2016). Processing political information—Comprehending the Trump phenomenon. (poster) *Annual Meeting of the Psychonomic Society*, Boston, USA, November 17-20, 2016.
40. **Ecker, U. K. H.**, ^Swire, B., & Lewandowsky, S. (2016). Correcting misinformation – An investigation into backfire effects. (talk) *6th International Conference on Memory, ICOM6*, Budapest, Hungary, July 17-22, 2016.
39. **Ecker, U. K. H.**, ^Singh, K. A., & Gignac, G. E. (2016). Working memory updating and the removal of outdated information. (talk) *6th International Conference on Memory, ICOM6*, Budapest, Hungary, July 17-22, 2016.
38. **Ecker., U. K. H.**, ^Swire, B., & Lewandowsky, S. (2016). That’s not true! – An investigation into backfire effects in misinformation corrections. (talk) *43rd Australasian Experimental Psychology Conference, EPC 16*, Melbourne, Australia, March 30 – April 2, 2016.
37. **Ecker, U. K. H.**, ^Singh, K., & Gignac, G. E. (2016). Individual differences in the removal of outdated information from working memory. (talk) *Australasian Mathematical Psychology Conference, AMPC 2016*, Hobart, Australia, February 10-12, 2016.
36. **Ecker, U. K. H.** (2015). Individual differences in the removal of outdated information from working memory. (talk) *Annual Meeting of the Psychonomic Society*, Chicago, USA, November 19-22, 2015.
35. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2015). Working memory updating requires active item-wise removal. *19th Meeting of the European Society of Cognitive Psychology, ESCoP 2015*, Paphos, Cyprus, September 17-20, 2015.
34. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2015). Working memory updating involves active item-wise removal. *1st International Convention of Psychological Science, ICPS*, Amsterdam, March 12-14, 2015.
33. ^Swire, B. & **Ecker, U. K. H.** (2015). Correcting misinformation and the familiarity backfire effect. (talk) *42nd Australasian Experimental Psychology Conference, EPC 15*, Sydney, Australia, April 8-11, 2015.
32. **Ecker, U. K. H.**, ^Tay, J.-X., & Brown, G. D. A. (2015). The effects of pre-study and post-study rest on free recall—Evidence for interference-based temporal distinctiveness accounts of forgetting. *Australasian Mathematical Psychology Conference, AMPC 2015*, Pt Stephens, Australia, February 11-13, 2015.
31. ^Cheung, C. S. C, Maybery, M. T., & **Ecker, U. K. H.** (2014). Understanding ambiguity in individuals with low vs. high levels of autistic-like traits. (talk) *Australasian Society for Autism Research Conference, ASfAR 2014*, Melbourne, Australia, December 4-5, 2014.
30. **Ecker, U. K. H.**, Lewandowsky, S., ^Chang, E. P., & ^Pillai, R. (2014). The effects of subtle misinformation in news headlines. (poster) *Annual Meeting of the Psychonomic Society*, Los Angeles, USA, November 20-23, 2014.
29. **Ecker, U. K. H.** (2014). The psychology of misinformation. (talk) *Uncertainty as Knowledge Workshop*, Bristol, UK, September 22-23, 2014.
28. **Ecker, U. K. H.** & Lewandowsky, S. (2014). The effects of misinformation on reasoning and decision making. (talk) *Decision Making Bristol*, Bristol, UK, September 9-12, 2014.
27. Lewandowsky, S., **Ecker, U. K. H.**, & Oberauer, K. (2014). Evidence for removal of information from working memory. (talk) *Annual Summer Interdisciplinary Conference*, Moab UT, USA, June 23-28, 2014.
26. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2014). Updating (irrelevant information removed from title). (talk) *Australasian Mathematical Psychology Conference, AMPC 2014*, Canberra, Australia, February 12-14, 2014.

25. Lewandowsky, S., **Ecker, U. K. H.**, & Oberauer, K. (2013). Evidence for active removal of information from working memory. (talk) *Annual Meeting of the Psychonomic Society*, Toronto, Canada, November 14-17, 2013.
24. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2013). Removal of information from working memory: A unique updating process. (talk) *18th Meeting of the European Society for Cognitive Psychology, ESCoP 2013*, Budapest, Hungary, August 29-September 1, 2013.
23. **Ecker, U. K. H.**, Lewandowsky, S., & Brown, G. D. A. (2013). Implementing a consolidation mechanism into SIMPLE. (talk) *Annual meeting of the Society of Mathematical Psychology, MathPsych 2013*, Potsdam, Germany, August 4-7, 2013.
22. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2013). Removal of information from working memory. (talk; see also peer-reviewed conference paper) *Annual Meeting of the Cognitive Science Society, CogSci 2013*, Berlin, Germany, July 31-August 3, 2013.
21. **Ecker, U. K. H.** (2013). Misinformation, attitudes, and the need for debiasing. (talk) *Annual Meeting of the Cognitive Science Society, CogSci 2013*, Berlin, Germany, July 31-August 3, 2013.
20. **Ecker, U. K. H.** (2013). Implementing a consolidation mechanism into SIMPLE—Why simple is best. (talk) *Australasian Mathematical Psychology Conference, AMPC 2013*, Sydney, Australia, February 15-17, 2013.
19. Lewandowsky, S., ^Cook, J., & **Ecker, U. K. H.** (2012). Coping with misinformation: Corrections, backfire effects, and choice architectures. (poster) *45th American Geophysical Union's Fall Meeting*, San Francisco, USA, December 3-7, 2012.
18. **Ecker, U. K. H.**, & Lewandowsky, S. (2012). The psychology of misinformation. (symposium) *24th Annual Convention of the Association of Psychological Science*, Chicago, USA, May 24-27, 2012.
17. **Ecker, U. K. H.**, Lewandowsky, S., ^Fenton, O. & ^Martin, K. (2012). Do people believe because they want to? The effects of pre-existing attitudes on the continued influence of misinformation. (talk) *24th Annual Convention of the Association of Psychological Science*, Chicago, USA, May 24-27, 2012.
16. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2012). Removal of information from working memory: A unique updating process. (talk) *Australasian Mathematical Psychology Conference, AMPC 2012*, Adelaide, Australia, February 10-12, 2012.
15. **Ecker, U. K. H.**, & Lewandowsky, S. (2011). Modelling the continued influence of misinformation. (talk) *Australasian Mathematical Psychology Conference, AMPC 2011*, Melbourne, Australia, February 18-20, 2011.
14. **Ecker, U. K. H.**, Maybery, M. T., & Zimmer, H. D. (2010). Intrinsic and extrinsic feature binding in working memory. (talk) *37th Australasian Experimental Psychology Conference, EPC 10*, Melbourne, Australia, April 8-10, 2010.
13. **Ecker, U. K. H.**, Lewandowsky, S., & Oberauer, K. (2009). Switch costs in working memory updating—A tale of two foci. (talk) *Mathematical Psychology Conference, MathPsych 2009*, Amsterdam, The Netherlands, August 1-4, 2009.
12. **Ecker, U. K. H.**, Lewandowsky, S., Oberauer, K., & ^Chee, A. E. H. (2009b). Components of working memory updating. (talk; see also peer-reviewed conference paper) *Annual Meeting of the Cognitive Science Society, CogSci 2009*, Amsterdam, The Netherlands, July 29-August 1, 2009.
11. **Ecker, U. K. H.**, Lewandowsky, S., Oberauer, K., & ^Chee, A. E. H. (2009a). Working memory updating decomposed. (talk) *Australasian Mathematical Psychology Conference, AMPC 2009*, Newcastle, Australia, February 18-20, 2009.

10. **Ecker, U. K. H., & Zimmer, H. D. (2008).** How automatic is familiarity really? ERP evidence from recognition memory experiments. (talk) *Australian Journal of Psychology*, 60 (2008 Supplement), 69. *35th Australasian Experimental Psychology Conference, EPC 08*, Fremantle, Australia, March 28, 2008.
9. **Ecker, U. K. H., & Zimmer, H. D. (2007).** Familiarity is sensitive to perceptual manipulations of intrinsic but not contextual features—A recognition memory study using event-related potentials. (poster) In *Cognitive Neuroscience Society Annual Meeting Program 2007, a supplement of the Journal of Cognitive Neuroscience, CNS 2007, New York City, USA, May 5-8 2007* (p.219), Davis, CA: CNS.
8. **Ecker, U. K. H., & Zimmer, H. D. (2007).** Process dissociation and multinomial modelling in the electrophysiological mirror—Prospects and limits of the ERP method in recognition memory. (talk) In K.F. Wender, S. Mecklenbräuker, G.D. Rey & T. Wehr (Eds.), *Beiträge zur 49. Tagung experimentell arbeitender Psychologen, Teap 2007, Trier, Germany, March 26-28* (p.84), Lengerich: Pabst.
7. **Ecker, U. K. H., & Zimmer, H. D. (2007).** Object and context features in recognition memory—Evidence from event-related potentials. (talk) In C. Frings, A. Mecklinger, B. Opitz, M. Pospeschill, D. Wentura & H. D. Zimmer (Eds.), *Kognitionsforschung 2007. Beiträge zur 8. Jahrestagung der Gesellschaft für Kognitionswissenschaft, KogWis 2007 in Saarbrücken, Germany, March 19-21*(p.59), Aachen: Shaker.
6. **Ecker, U. K. H. (2007).** Learning & Memory. (symposium) In C. Frings, A. Mecklinger, B. Opitz, M. Pospeschill, D. Wentura & H. D. Zimmer (Eds.), *Kognitionsforschung 2007. Beiträge zur 8. Jahrestagung der Gesellschaft für Kognitionswissenschaft, KogWis 2007 in Saarbrücken, Germany, March 19-21* (p.58), Aachen: Shaker.
5. **Ecker, U. K. H., Zimmer, H. D., & Groh-Bordin, C. (2006).** Things, they are a changing. What effects of perceptual study-test manipulations on ERPs tell us about recognition memory. (talk) *4th International Conference on Memory, ICOM 4*, Sydney, Australia, July 16-21, 2006.
4. **Zimmer, H. D., & Ecker, U. K. H. (2006).** Structures and processes of binding in memory—A neurocognitive approach. (symposium) *4th International Conference on Memory, ICOM 4*, Sydney, Australia, July 16-21, 2006.
3. **Ecker, U. K. H., & Zimmer, H. D. (2005).** Blue bananas—An ERP study on prototypical colours in implicit memory. (talk) In B. Hommel, G. Band, W. La Heij & G. Wolters (Eds.), *Proceedings of the 14th Meeting of the European Society of Cognitive Psychology, ESCoP 2005, Leiden, The Netherlands, August 31 - September 3, 2005* (p.66). Leiden, The Netherlands: Leiden University, Department of Cognitive Psychology.
2. **Ecker, U. K. H., & Zimmer, H. D. (2004).** Objekt- und Kontextmerkmale—Eine EKP-Studie zum Vergleich von intrinsischer und extrinsischer Bindung im episodischen Gedächtnis (Features of objects and context—An ERP study comparing intrinsic and extrinsic binding in episodic memory). (talk) In D. Kerzel, V. Franz & K. Gegenfurtner (Eds.), *Beiträge zur 46. Tagung experimentell arbeitender Psychologen, Justus-Liebig-Universität Gießen, Germany, 4.-7. April 2004* (p.68). Lengerich: Pabst.
1. **Ecker, U. K. H., & Zimmer, H. D. (2003).** Feature binding within item and between item and context. (talk) In T. Bajo & J. Lupianez (Eds.), *Abstracts of the 13th Conference of the European Society of Cognitive Psychology, ESCoP 2003, Granada, Spain, September 17-20* (p.143). Imprenta Santa Rita: Monachil, Granada.

Invited Talks and Colloquia

ASEAN Workshop, *Strategies for Combating Fake News*; Singapore Ministry for Communications and Information, June 4, 2018 (Plenary talk and Q&A Panelist).

School of Psychology, University of Adelaide, January 19, 2018.

Civil Service College Singapore, *Understanding and Responding to Misinformation and Disinformation*; CSC Institute of Governance and Policy; Singapore, November 27-28, 2017 (Plenary talk and Q&A Panelist).

National Directors of Public Affairs for Police, Annual Conference; Perth, November 9-10, 2017 (Plenary talk).

Asia Journalism Fellowship Forum, *Reporting Facts and the Future of Journalism*; Institute of Policy Studies of the National University of Singapore and Temasek Foundation International; Singapore, August 18, 2017 (Plenary talk and Q&A Panelist).

Communicate to Inspire, a joint conference of Scitech, Inspiring Australia, and the Australian Science Communicators WA, Perth, March 9, 2017 (Plenary talk and Q&A Panelist).

International Conference of the Australian Council of Adult Literacy and Australian Council of TESOL Associations, Perth, April 7-10, 2016 (Keynote Address).

Institute of Public Administration Australia, Communication Nation Workshop, Perth, June 10, 2015 (Plenary Talk).

WA Department of Agriculture and Food, Perth, January 22, 2015.

Centre of Excellence for National Security, Nanyang Technological University, Singapore, November 27, 2014 (Plenary Talk).

Institute of Public Administration Australia Conference, Perth, October 29, 2014.

School of Science Communication, University of Western Australia, September 27, 2013.

School of Psychology, Nanyang Technological University, Singapore, August 17, 2012.

School of Medicine, University of Notre Dame, Fremantle, Australia, June 8, 2012.

School of Psychology, Saarland University, Germany, July 27, 2009.

School of Psychology, University of Adelaide, October 17, 2008.

School of Psychology, University of Newcastle, Australia, October 16, 2008.

Brain Sciences Institute, Swinburne University, Melbourne, July 25, 2006.

School of Psychology, University of Adelaide, July 24, 2006.

Consulting Activities

2018 Singapore Parliament Select Committee on Deliberate Online Falsehoods

2016 Supreme Court of Victoria

Media Work

Contribution to "Mythen der Wissenschaft" ["Science myths"]; Science documentary for *3Sat* (German/Swiss/Austrian TV; January 2017)

"The psychology of misinformation." **U. Ecker**, *Australasian Science* (Nov 2014)

"So Madonna called Obama a Muslim: How misinformation spreads." **U. Ecker**, *Huffington Post* (Oct 2012)

"Where does misinformation come from, and what does it do?" **U. Ecker**, *The Conversation*, (Sep 2012; 5,400+ readers)

"No one likes to change their mind, not even on climate." **U. Ecker** & J. Cook, *The Conversation* (April 2012; 5,800+ readers)

"Medical misinformation." **U. Ecker**, *Medical Forum WA magazine* (March 2012)

“Fighting fact-free journalism: A how-to guide.” **U. Ecker**, J. Cook & S. Lewandowsky, *The Conversation* (Feb 2012; 8,700+ readers)

“Why The Guardian's correction won't change your mind about Milly Dowler.” **U. Ecker** & S. Lewandowsky, *The Conversation* (Dec 2011; 1,300+ readers)

“Warning: your journalism may contain deception, inaccuracies and a hidden agenda.” S. Lewandowsky & **U. Ecker**, *The Conversation* (Sep 2011; 4,200+ readers)

“How mud sticks.” **U. Ecker** & S. Lewandowsky, *The Skeptic Magazine* (Sep 2011)

My work on misinformation and memory has also been featured in, *inter alia*: CNN, Scientific American, Slate Magazine, National Geographic, ABC National TV, 3Sat TV Europe; ABC Radio National's Science Unit, National Community Radio's 4th Estate, many local radio stations, ABC online, The West Australian, La Tercera (Chile), YES mag—Science for Kids (Canada), Science Watch (AUS & NZ), and Science Network WA.

Conferences organised

23rd Australasian Mathematical Psychology Conference, Perth, WA, 2018. (~80 delegates)

15th Australasian Mathematical Psychology Conference, Margaret River, WA, 2010. (40 delegates)

Binding in Human Memory—A conference in honour of Johannes Engelkamp. Saarbruecken, Germany, 2002. (100 delegates)

Skills etc.

I am skilled in and familiar with all aspects of pre-processing and analyzing event-related potential data. I am comfortable with and experienced in using (M)ANOVA, ANCOVA, correlational and discriminant analysis, structural equation modelling, multilevel regression and mixed-effects modelling, and computational modeling (e.g., using SIMPLE). I also have basic competence in Bayesian hypothesis testing, multinomial and connectionist modelling.

I am a native speaker of both German and English.

I am also an accredited Australian rules football coach, and coached age levels 5 to 12 at the Joondalup/Kinross Jets (2009-2015) and Yanchep Red Hawks (2014-2016) Junior Football Clubs. I was a member of Yanchep Beach Primary School's board in 2013. I have recorded two albums as the lead singer and songwriter of the band raindog (1996-2009).