

CURRICULUM VITAE

Dr Ullrich K H Ecker

Professor and ARC Future Fellow

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Date of birth January 1978
Citizenships Australian, German

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, psychological assessment; minor: psychiatry)
 1982-1996 School education in Germany and Australia

Professional Employment

2020-2024 Australian Research Council (ARC) Future Fellow (Level E), School of Psychological Science, University of Western Australia (UWA)
 2016-2020 Associate Professor (Level D), School of Psychological Science, UWA
 2014-2018 Honorary Research Collaborator, University of Bristol
 2012-2016 Senior Research Fellow / Senior Lecturer (Level C; tenured), School of Psychology, UWA
 2011-2012 Research Fellow (Level B; tenure-track), School of Psychology, UWA
 2008-2010 Postdoctoral Research Associate (Level A), Cognitive Science Lab, School of Psychology, UWA
 2003-2007 PhD Researcher, Brain & Cognition Lab, Dept. of Psychology, Saarland University, Germany
 2004-2007 Clinical assessor for family courts (AG Rechtspsychologie, Saarlouis, Germany)
 2004-2005 Research Assistant, Neuroimaging Lab, Saarland University Hospital, Germany
 1999-2003 Research Assistant, Brain & Cognition Lab, Dept. of Psychology, Saarland University, Germany
 1996-1997 Civilian service at a neurological rehabilitation hospital (Reha-Med-Klinik) in Homburg, Germany

Memberships and Affiliations

Fellow of the Psychonomic Society (since 2014)
University of Western Australia Researchers' Association (since 2009)
Society for Applied Research in Memory and Cognition (2017; since 2021)
Association for Psychological Science (2008-2018)
Deutsche Gesellschaft für Psychologie (German Psychological Society; 2007-2020)
Cognitive Science Society (2009; 2013)
Mentor for The Smith Family— a charity supporting disadvantaged Australian youths (2010)

Grants, Fellowships & Awards

2022 WA Defence Science Centre Collaborative Research Grant “Psychologically-informed mathematical modelling of misinformation spreading”, Ye et al., AU\$150k

2022 UWA Research Collaboration Award, “Learning to tell fact from fiction: Applying theories of learning and memory to design effective misinformation interventions”, Prike et al., AU\$20k

2022 ANU National Security College Futures Hub & Defence Science and Technology Group (DSTG), Technology Surprise Forum grant, “The misinformation threat and the role of emerging social media environments”, Ye et al., AU\$10k

2022-2026 NHMRC Special Initiative in Human Health and Environmental Change Grant “Healthy Environments And Lives (HEAL)”, Vardoulakis et al., AU\$10m

2021 UWA School of Psychological Science’s Mid-Career Publication Impact Award

2020 UWA Faculty of Science Excellence in Media Engagement Award

2020-2024 ARC Future Fellowship, “Combating misinformation—Designing a toolkit to address a global problem”, AU\$1m+

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 ASELRC Research Project, “Debunking autism treatment myths”, Paynter et al., AU\$90k+

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, 2nd 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 and extrinsic binding in working memory”, AU\$20k

Teaching

Since 2011	Unit “Cognitive Psychology” (UWA PSYC2215/3315; ~500 students)
2015-2019	Unit “Psychological Research Communication Skills” (UWA PSYC4410; ~80 students)
2012-2019	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

2022	Member, Research Committee, UWA School of Psychological Science
Since 2017	Member, UWA Human Research Ethics Office Low-Risk Review Panel
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 Advisory & Coordination Group, UWA Faculty of Science
2017-2019	Member, School Executive, UWA School of Psychological Science
2015-2019	Colloquium Organizer, 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

2009-2018 Member, Honours Marking Panel, UWA School of Psychological Science

Research Supervision

Ongoing: 3 PhD students; 3 MPsych/PhD students; 3 Honours students; 1 postdoctoral researcher

Completed: 31 Honours students; 9 postgraduate students: Dr Olivia Fenton (DPsych); Dr Candy Cheung (MPsych/PhD); Dr John Cook (PhD); Dr Briony Swire-Thompson (PhD); Dr Krishneil Singh (MPsych/PhD); Dr Ee Pin Chang (PhD); Dr Douglas MacFarlane (PhD); Dr Georgiana Cheuk (PhD); Dr Nur Shakila Mazalan (PhD); 1 postdoctoral researcher: Dr Christopher Brydges

Manuscript Reviewing

Acta Psychologica / American Journal of Political Science / American Journal of Psychology / American Psychologist / Annals of the New York Academy of Sciences / Applied Cognitive Psychology / Australian Journal of Psychology / Behavioral and Brain Functions / BMC Public Health / Brain and Cognition / Brain Research / Climate / Clinical Medicine Insights: Psychiatry / Cognition / Cognitive Development / Cognitive Neurodynamics / Cognitive Processing / Cognitive Research: Principles and Implications / 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 / European Journal of Operational Research / Experimental Psychology / Human Communication Research / Humanities and Social Sciences Communications / International Journal of Psychology / International Journal of Psychophysiology / JAMA Pediatrics / Japanese Psychological Research / Journal of Applied Research in Memory and Cognition / Journal of Cognitive Neuroscience / Journal of Cognitive Psychology / Journal of Communication / Journal of Experimental Psychology: Applied / Journal of Experimental Psychology: General / Journal of Experimental Psychology: Learning, Memory, and Cognition / Journal of Memory and Language / Journal of Personality and Social Psychology / Memory / Memory & Cognition / Nature Communications / Nature Human Behaviour / Neuropsychologia / Personality and Social Psychology Bulletin / PLOS ONE / Political Behavior / PNAS / Psychological Reports / Psychological Science / Psychology & Neuroscience / Psychonomic Bulletin & Review / Public Opinion Quarterly / Quarterly Journal of Experimental Psychology / Scandinavian Journal of Psychology / Science Communication / Scientific Reports / Social Influence

Grant Reviewing

APA / ARC (Discovery, Linkage, Future Fellowship, DECRA) / Austrian Science Foundation FWF / BBSRC (UK) / DFG (Germany) / ESRC (UK) / MRC (UK) / New Zealand Ministry of Business, Innovation & Employment / NSF (USA) / Israel Science Foundation / Wellcome Trust (UK)

External Thesis Examination (Honours, Master's, PhD)

Saarland University / University of Newcastle / University of Adelaide / Monash University

Editorial Roles

2022-2024 Editorial Board Member, Journal of Applied Research in Memory and Cognition

2022 Special Issue Guest Editor, European Psychologist

- 2020-2022 Action Editor, *Collabra: Psychology*, official journal of the Society for the Improvement of Psychological Science
- 2020-2022 Consulting Editor, *Memory & Cognition*
- 2019-2024 Associate Editor, *Experimental Psychology*
- 2019-2024 Social Media Manager, *Experimental Psychology*

Publications (Note: ^ denotes student co-authorship)

Manuscripts submitted for publication

- P8. ^Butler, L. H., ^Lamont, P. X., ^Law Yim Wan, D. B., Prike, T., Nasim, M., Walker, B., Fay, N., & **Ecker, U. K. H.** (2022). The (Mis)Information Game: A social media simulator.
- P7. ^Tay, L. Q., Hurlstone, M. H., Kurz, T., & **Ecker, U. K. H.** (2022). A call for greater attention to causal inference in psychological science.
- P6. Prike, T., ^Reason, R., **Ecker, U. K. H.**, Swire-Thompson, B., & Lewandowsky, S. (2022). Would I lie to you? Party affiliation is more important than Brexit in processing political misinformation.
- P5. **Ecker, U. K. H.**, ^Sharkey, C. X. M., & Swire-Thompson, B. (2022). Correcting vaccine misinformation: A failure to replicate familiarity or fear-driven backfire effects.
- P4. ^McIlhiney, P., Gignac, G. E., **Ecker, U. K. H.**, Kennedy, B. L., & Weinborn, M. (2022). Executive function and the continued influence of misinformation: A latent variable analysis.
- P3. ^Butler, L. H., Fay, N., & **Ecker, U. K. H.** (2022). Social endorsement influences the continued belief in corrected misinformation.
- P2. ^Baess, P., **Ecker, U. K. H.**, Janssen, S. M. J., Jin, Z., & Bermeitinger, C. (2022). What Simon “knows” about cultural differences: The influence of different self-concepts and spatial orientations on cognitive control.
- P1. ^Kirmsse, A., Zimmer, H. D., & **Ecker, U. K. H.** (2022). Task demands differentially affect processing of intrinsic and extrinsic object features in working memory: Electro-physiological evidence for an intrinsic processing advantage.

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

88. ^Sanderson, J. A., Bowden, V., Swire-Thompson, B., Lewandowsky, S., & **Ecker, U. K. H.** (2022). Correcting auditory misinformation: Manipulating cognitive load and misinformation familiarity. *Journal of Applied Research in Memory and Cognition*. [IF 4.60; AIS 1.74; 14/90; Q1; top20%]
87. ^Sanderson, J. A., Farrell, S., & **Ecker, U. K. H.** (2022). Examining the role of information integration in the continued influence effect using an event segmentation approach. *PLOS ONE*. [IF 3.75; AIS 0.97; 29/73; Q2]
86. Greene, C. M., ^de Saint Laurent, C., Murphy, G., Prike, T., ^Hegarty, K., & **Ecker, U. K. H.** (2022). Best practices for ethical conduct of misinformation research: A scoping review and critical commentary. *European Psychologist*. [IF 5.00; AIS 1.57; 21/147; Q1; top20%]
85. **Ecker, U. K. H.**, ^Sanderson, J. A., ^McIlhiney, P., ^Rowell, J. J., ^Quekett, H. L., Brown, G. D. A., & Lewandowsky, S. (2022). Combining refutations and social norms increases belief change. *Quarterly Journal of Experimental Psychology*. [IF 2.14; AIS 0.98; 58/91; Q3]

84. Cook, J., **Ecker, U. K. H.**, Trecek-King, M., Schade, G., Jeffers-Tracy, K., Fessmann, J., Kim, S. C., Kinkead, D., Orr, M., Roberts, K., & McDowell, J. (2022). The Cranky Uncle game—Combining humor and gamification to build student resilience against climate misinformation. *Environmental Education Research*. [IF 3.51; AIS 0.73; 14/156; Q1; top20%]
83. ^Mickelberg, A., Walker, B., **Ecker, U. K. H.**, Howe, P. D., Perfors, A., & Fay, N. (2022). Impression formation stimuli: A corpus of behavior statements rated on morality, competence, informativeness, and believability. *PLOS ONE*. [IF 3.75; AIS 0.97; 29/73; Q2]
82. ^Mazalan, N. S., Landers, G. K., Wallman, K. E., & **Ecker, U. K. H.** (2022). Ice ingestion maintains cognitive performance during a repeated sprint performance in the heat. *Journal of Sport Science & Medicine*. [IF 2.99; AIS 0.79; 36/88; Q2]
81. ^Tay, L. Q., Hurlstone, M. J., Kurz, T., & **Ecker, U. K. H.** (2022). A comparison of prebunking and debunking interventions for implied versus explicit misinformation. *British Journal of Psychology*. [IF 4.27; AIS 1.59; 25/140; Q1; top20%]
80. ^MacFarlane, D., Hurlstone, M. J., **Ecker, U. K. H.**, Ferraro, P. J., van der Linden, S., Wan, A. K. Y., Veríssimo, D., Burgess, G., Chen, F., Hall, W., Hollands, G. J., & Sutherland, W. J. (2022). Reducing demand for overexploited wildlife products: Lessons from systematic reviews from outside conservation science. *Conservation Science and Practice*. [IF 3.23; AIS 0.97; 14/60; Q1]
79. **Ecker, U. K. H.**, Lewandowsky, S., Cook, J., Schmid, P., Fazio, L. K., Brashier, N., Kendeou, P., Vraga, E. K., & Amazeen, M. A. (2022). The psychological drivers of misinformation belief and its resistance to correction. *Nature Reviews Psychology*, 1, 13-29.
78. ^Mazalan, N. S., Landers, G. K., Wallman, K. E., & **Ecker, U. K. H.** (2022). A combination of ice ingestion and head cooling enhances cognitive performance during endurance exercise in the heat. *Journal of Sport Science & Medicine*, 21, 23-32. [IF 2.99; AIS 0.79; 36/88; Q2]
77. Swire-Thompson, B., Cook, J., ^Butler, L. H., ^Sanderson, J. A., Lewandowsky, S., & **Ecker, U. K. H.** (2021). Correction format has a limited role when debunking misinformation. *Cognitive Research: Principles and Implications*, 6, 83. [IF 3.70; AIS 1.41; 17/91; Q1; top20%]
76. Lewandowsky, S., Facer, K., & **Ecker, U. K. H.** (2021). Losses, hopes, and expectations for sustainable futures after COVID. *Humanities and Social Sciences Communications*, 8, 296.
75. ^McIlhiney, P., Gignac, G. E., Weinborn, M., & **Ecker, U. K. H.** (2021). Sensitivity to misinformation retractions in the continued influence paradigm: Evidence for stability. *Quarterly Journal of Experimental Psychology*. [IF 2.14; AIS 0.98; 57/90; Q3]
74. Calleja, N., Abad, N., Abdallah, A. H., Ahmed, N., Albarracín, D., Altieri, E., Anoko, J., Arcos, R., Azlan, A., Bayer, J., Bechmann, A., Bezbaruah, S., Briand, S. C., Brooks, I., Bucci, L. M., Burzo, S., Czerniak, C., De Domenico, M., Dunn, A. G., **Ecker, U. K. H.**, ... Purnat, T. (2021). A public health research agenda for managing infodemics: Methods and results of the first WHO infodemiology conference. *JMIR Infodemiology*, 1, e30979.
73. ^Sanderson, J. A., Gignac, G. E., & **Ecker, U. K. H.** (2021). Working memory capacity, removal efficiency and event specific memory as predictors of misinformation reliance. *Journal of Cognitive Psychology*, 33(5), 518-532. [IF 0.99; AIS 0.57; 82/89; Q4]
72. **Ecker, U. K. H.**, & ^Antonio, L. M. (2021). Can you believe it? An investigation into the impact of retraction source credibility on the continued influence effect. *Memory & Cognition*, 49(4), 631-644. [IF 1.69; AIS 1.07; 57/89; Q3]
71. **Ecker, U. K. H.**, ^Sze, B. K. N., & ^Andreotta, M. (2021). Corrections of political misinformation: No evidence for an effect of partisan worldview in a U.S. convenience sample. *Philosophical Transactions of the Royal Society B*, 376, 20200145. [IF 5.68; AIS 2.65; 8/93; Q1; top20%]

70. ^Hyland-Wood, B., Gardner, J., Leask, J., & **Ecker, U. K. H.** (2021). Towards an effective government communications strategy in the era of COVID-19. *Humanities and Social Sciences Communications*, 8, 30.
69. ^Mazalan, N. S., Landers, G. K., Wallman, K. E., & **Ecker, U. K. H.** (2021). Head cooling prior to exercise in the heat does not improve cognitive performance. *Journal of Sport Science & Medicine*, 20, 69-76. [IF 2.99; AIS 0.79; 36/88; Q2]
68. ^MacFarlane, D., ^Tay, L. Q., Hurlstone, M. J., & **Ecker, U. K. H.** (2020). Refuting spurious COVID-19 treatment claims reduces demand and misinformation sharing. *Journal of Applied Research in Memory and Cognition*. [IF 3.47; AIS 1.23; 13/87; Q1; top20%]
67. **Ecker, U. K. H.**, ^Butler, L. H., & Hamby, A. (2020). You don't have to tell a story! A Registered Report testing the effectiveness of narrative versus non-narrative misinformation corrections. *Cognitive Research: Principles and Implications*, 5, 64. [IF 3.70; AIS 1.41; 17/91; Q1; top20%]
66. Rey-Mermet, A., ^Singh, K. A., Gignac, G. E., Brydges, C. R., & **Ecker, U. K. H.** (2020). Interference control in working memory: Evidence for discriminant validity between removal and inhibition tasks. *PLOS ONE*, 15, e0243053. [IF 2.74; AIS 0.93; 27/71; Q2]
65. Brydges, C. R., ^Gordon, A., & **Ecker, U. K. H.** (2020). Electrophysiological correlates of the continued influence effect of misinformation—An exploratory study. *Journal of Cognitive Psychology*, 32, 771-784. [IF 0.99; AIS 0.57; 82/89; Q4]
64. Lewandowsky, S., Jetter, M., & **Ecker, U. K. H.** (2020). The president's tweets and understanding political diversion in the age of social media. *Nature Communications*, 11, 5764. [IF 12.12; AIS 5.27; 6/71; Q1; top20%]
63. **Ecker, U. K. H.**, & ^Rodricks, A. E. (2020). Do false allegations persist? Retracted misinformation does not continue to influence explicit person impressions. *Journal of Applied Research in Memory and Cognition*, 9, 587-601. [IF 3.47; AIS 1.23; 13/87; Q1; top20%]
62. **Ecker, U. K. H.**, Lewandowsky, S., & ^Chadwick, M. (2020). Can corrections spread misinformation to new audiences? Testing for the elusive familiarity backfire effect. *Cognitive Research: Principles and Implications*, 5, 41. [IF 3.70; AIS 1.41; 17/91; Q1; top20%]
61. **Ecker, U. K. H.**, ^Butler, L. H., Cook, J., Hurlstone, M. J., Kurz, T., & Lewandowsky, S. (2020). Using the COVID-19 economic crisis to frame climate change as a secondary issue reduces mitigation support. *Journal of Environmental Psychology*, 70, 101464. [IF 3.30; AIS 1.51; 22/138; Q1; top20%]
60. ^MacFarlane, D., Hurlstone, M. J., & **Ecker, U. K. H.** (2020). Countering demand for unsupported health remedies: Do consumers respond to risks, lack of benefits, or both? *Psychology & Health*. [IF 2.53; AIS 0.89; 40/170; Q1]
59. ^MacFarlane, D., Hurlstone, M. J., & **Ecker, U. K. H.** (2020). Reducing demand for unsupported health remedies: A taxonomy for overcoming psychological barriers. *Social Science & Medicine*, 259, 112790. [IF 3.62; AIS 1.44; 17/170; Q1; top20%]
58. Paynter, J., ^Luskin-Saxby, S., Keen, D., Fordyce, K., Frost, G., Imms, C., Miller, S., Sutherland, R., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2020). Perceived evidence and use of autism intervention strategies in early intervention providers. *Journal of Autism and Developmental Disorders*, 50, 1088-1094. [IF 3.05; AIS 1.09; 16/77; Q1]
57. Swire-Thompson, B., **Ecker, U. K. H.**, Lewandowsky, S., & Berinsky, A. (2020). They might be a liar but they're my liar: Source evaluation and the prevalence of misinformation. *Political Psychology*, 41, 21-34. [IF 3.27; AIS 2.03; 14/180; Q1; top20%]
56. **Ecker, U. K. H.**, ^O'Reilly, Z., ^Reid, J. S., & ^Chang, E. P. (2020). The effectiveness of short-format refutational fact-checks. *British Journal of Psychology*, 111, 36-54. [IF 3.24; AIS 1.64; 23/138; Q1; top20%]

55. Hamby, A. M., Brinberg, D., & **Ecker, U. K. H.** (2019). How stories in memory perpetuate the continued influence of false information. *Journal of Consumer Psychology, 30*, 240-259. [IF 2.47; AIS 1.71; 28/82; Q2]
54. ^Gordon, A., **Ecker, U. K. H.**, & Lewandowsky, S. (2019). Polarity and attitude effects in the continued-influence paradigm. *Journal of Memory and Language, 108*, 104028. [IF 3.86; AIS 2.54; 3/184; Q1; top20%]
53. ^Gordon, A., Quadflieg, S., Brooks, J. C. W., **Ecker, U. K. H.**, & Lewandowsky, S. (2019). Keeping track of 'alternative facts': The neural correlates of processing misinformation corrections. *NeuroImage, 193*, 46-56. [IF 5.81; AIS 2.29; 36/267; Q1; top20%]
52. **Ecker, U. K. H.**, & ^Ang, L. C. (2019). Political attitudes and the processing of misinformation corrections. *Political Psychology, 40*, 241-260. [IF 3.18; AIS 2.40; 19/176; Q1; top20%]
51. ^Chang, E. P., **Ecker, U. K. H.**, & Page, A. C. (2019). Not wallowing in misery—Retractions of negative misinformation are effective in dysphoric rumination. *Cognition and Emotion, 33*, 991-1005. [IF 2.37; AIS 1.06; 33/88; Q2]
50. **Ecker, U. K. H.**, Lewandowsky, S., ^Jayawardana, K., & ^Mladenovic, A. (2019). Refutations of equivocal claims: No evidence for an ironic effect of counterargument number. *Journal of Applied Research in Memory and Cognition, 8*, 98-107. [IF 3.47; AIS 1.23; 13/87; Q1; top20%]
49. Paynter, J., ^Luskin-Saxby, S., Keen, D., Fordyce, K., Frost, G., Imms, C., Miller, S., Trembath, D., Tucker, M., & **Ecker, U. K. H.** (2019). Evaluation of a template for countering misinformation—Real-world autism treatment myth debunking. *PLOS ONE, 14*, e0210746. [IF 2.78; AIS 0.98; 24/69; Q2]
48. ^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, 5*, 180593. [IF 2.50; AIS 0.95; 17/64; Q2]
47. ^MacFarlane, D., Hurlstone, M., & **Ecker, U. K. H.** (2018). Reducing demand for ineffective health remedies: Overcoming the illusion of causality. *Psychology & Health, 33*, 1472-1489. [IF 2.46; AIS 0.92; 31/157; Q1; top20%]
46. Brydges, C. R., Gignac, G. E., & **Ecker, U. K. H.** (2018). Working memory capacity, short-term memory capacity, and the continued influence effect: A latent-variable analysis. *Intelligence, 69*, 117-122. [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%]
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34. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2015). Working memory updating involves active item-wise removal. (talk) *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) *55th 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) *53rd 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. Mecklenbräuer, 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, Colloquia, & Panels

Australian Academy of Law (WA) Chapter Event, *The Fallibility of Memory and Fact Finding*, Perth, June 7, 2022

3rd International Workshop on Cyber Social Threats, 16th International Conference on Web and Social Media (AAAI ICWSM-22), Atlanta, USA, June 6, 2022 (Panellist)

Department of Psychology, University of Mannheim, Germany, May 18, 2022

Psychological and Behavioural Science Department, London School of Economics, March 30, 2022

Australian Science Communicators Online Symposium, ASC2021, November 17, 2021 (Keynote Address)

Behavioural Interventions for Promoting Truth and Democratic Discourse in Online Environments workshop, Max Planck Institute for Human Development, Berlin, Germany, October 12-13, 2021 (Talk)

Annenberg Public Policy Center, University of Pennsylvania, October 4, 2021

Quayside Chambers, *Memory, Fallibility, and Cross Examination*, Perth, July 22, 2021 (Plenary talk)

UWA Public Policy Institute, *Modernising Democratic Institutions and Culture*, May 27, 2021 (Panellist)

Citizens' Climate Lobby Australia, December 6, 2020

Complex Human Data Hub, University of Melbourne, September 7, 2020

First WHO Global Infodemiology Conference, Geneva, Switzerland, June 29 – July 16, 2020 (Invited Participant)

OECD Centre for Educational Research and Innovation Governing Board meeting, *Understanding and Using Evidence in a Time of Crisis: The Role of Education*, CERI, Paris, May 28, 2020 (Panellist)

Workshop *Understanding and Countering Online Falsehoods and Influence Operations*, Centre of Excellence for National Security and Rajaratnam School of International Studies, Nanyang Technological University, Singapore, November 4-5, 2019 (Plenary talk)

Winthrop Society; Perth, May 2, 2019 (Talk)

Strategic Communications in the APAC Region workshop, Nanyang Technological University Singapore, Twitter Asia-Pacific, and Facebook APAC, April 24-26, 2019 (Keynote Address and Q&A Panellist)

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

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

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

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 Panellist)

Perth Skeptics; August 5, 2017 (Talk)

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 Panellist)

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 and Advisory Activities

2020/21 Federal Court of Australia

2020 Victorian Parliament's Electoral Matters Committee

2020 Australian Government Department of Health, as a member of the Go8 Roadmap to COVID-19 Recovery Taskforce

2019 WA Government Department of Water and Environmental Regulation, contribution to UWA Response to "Climate Change in Western Australia" issues paper

2019 Facebook, Product Marketing and Stakeholder Engagement

2018 Singapore Parliament Select Committee on Deliberate Online Falsehoods

2016 Supreme Court of Victoria

Media Work

"We know politicians lie – but do we care?"; *The Conversation* (with T. Prike; February 2022; 36k+ reads)

"Life after COVID: most people don't want a return to normal – they want a fairer, more sustainable future"; *The Conversation* (with S. Lewandowsky and K. Facer; January 2022; 35k+ reads)

“The COVID-19 Vaccine Communication Handbook”; *published by SciBeh and available in 13 languages* (with S. Lewandowsky, J. Cook, P. Schmid, D. Holford, A. Finn, J. Leask, A. Thomson, D. Lombardi, A. Al-Rawi, et al.; 2021)

Extended radio interview for ABC Perth’s “Focus” program on misinformation and conspiracy theories; November 18, 2020

“How Trump uses Twitter to distract the media – New research”; *The Conversation* (with M. Jetter and S. Lewandowsky; November 2020; 49k+ reads)

“The Debunking Handbook 2020”; *published through GMU Center for Climate Change Communication and available in 14 languages* (with S. Lewandowsky, J. Cook, et al.; 2020)

TV interview for Channel 10’s “The Project”; May 28, 2020

“Coronavirus, ‘Plandemic’ and the seven traits of conspiratorial thinking” (Spanish: “Coronavirus: Las 7 características del pensamiento conspirativo”); *The Conversation* (with J. Cook, S. Lewandowsky, and S. van der Linden; May 2020; 579k+ reads)

“Plandemic and the seven traits of conspiratorial thinking”; YouTube (with J. Cook, S. Lewandowsky, and S. van der Linden; May 2020; 31k+ views)

“How to spot COVID-19 conspiracy theories”; *Guide published through GMU Center for Climate Change Communication* (with J. Cook, S. Lewandowsky, and S. van der Linden; May 2020)

“Accurate, honest and transparent: How leaders should communicate about coronavirus”; *The Guardian* (with Douglas MacFarlane; March 2020; also at doi:10.17605/OSF.IO/QU9TP).

“Why the internet is helping more of us believe in things that aren’t true”; *ABC Radio National’s Life Matters* (February 2019).

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

“The psychology of misinformation.” *Australasian Science* (Nov 2014)

“So Madonna called Obama a Muslim: How misinformation spreads.” *Huffington Post* (Oct 2012)

“Where does misinformation come from, and what does it do?” *The Conversation*, (Sep 2012; 10k+ readers)

“No one likes to change their mind, not even on climate.” *The Conversation* (with J. Cook; April 2012; 6k+ readers)

“Medical misinformation.” *Medical Forum WA magazine* (March 2012)

“Fighting fact-free journalism: A how-to guide.” *The Conversation* (with J. Cook & S. Lewandowsky; Feb 2012; 9k+ readers)

“Why The Guardian’s correction won’t change your mind about Milly Dowler.” *The Conversation* (with S. Lewandowsky; Dec 2011; 1.5k+ readers)

“Warning: your journalism may contain deception, inaccuracies and a hidden agenda.” *The Conversation* (with S. Lewandowsky; Sep 2011; 6k+ readers)

“How mud sticks.” *The Skeptic Magazine* (with S. Lewandowsky; 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, ABC Radio National (PM; Science Unit), National Community Radio’s 4th Estate, Noongar Radio, many local radio stations (ABC, 6PR, etc.), 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 modelling (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 was 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 recorded two albums as the lead singer and songwriter of the band raindog (1996-2009).