

# CURRICULUM VITAE

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**Dr Ullrich K H Ecker**

**Associate Professor**

## **Office Address**

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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**

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**

2017 Australian Department of Social Services ASELCC Research Project, “Debunking autism treatment myths”, Paynter et al., \$89k+

2016-2019 ARC Discovery Project, “The psychology of misinformation—Towards a theory-driven understanding”, with S Lewandowsky (Bristol) & G Brown (Warwick), AU\$434,200

2015 UWA Faculty of Science Rising Star Award, 2<sup>nd</sup> prize

2014 UWA Vice Chancellor’s Mid-Career Research Award

2013 WUN Research Development Award, “Responding and adapting to climate change: Recognizing and managing uncertainty in the physical, social, and public spheres”, Lewandowsky et al., GBP13,300 (~AU24,000)

2013 UWA Research Collaboration Award, “Memory Models and Neuroimaging”, Ecker et al., AU\$19,000

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”, with M Maybery (UWA), G Brown (Warwick) & R Henson (Cambridge), AU\$422,000

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\$27,000

2009 UWA Research Development Award, “Intrinsic & Extrinsic Binding in Working Memory”, AU\$20,000

## **Teaching**

2015-2017 Unit “Psychological Research Communication Skills” (UWA PSYC4410; 75 students)

2011-2017 Unit “Cognitive Psychology” (UWA PSYC2215/3315; 500+ students)

2012-2016	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	Director, Community and Engagement, UWA School of Psychological Science
2017	Member, Community and Engagement Committee, UWA Faculty of Science
2017	Member, International Development Strategy Group, UWA Faculty of Science
2017	Member, School Executive Committee, UWA School of Psychological Science
2015-2017	Chair, Colloquium Committee, UWA School of Psychological Science
2015-2017	Honours Conference Organizer, UWA School of Psychological Science
2011	Member, Masters Marking Panel, UWA School of Psychological Science
2009-2017	Member, Honours Marking Panel, UWA School of Psychological Science

### **Research Supervision**

Ongoing:	4 Honours students, 4 PhD students, 1 MPsych/PhD student, 1 postdoc
Completed:	20 Honours students, 3 postgraduate students (PhD; MPsychPhD; DPsych)

### **Grant Reviewing**

ARC (Discovery, Linkage, Future Fellowship, DECRA) / ESRC (UK) / MRC (UK) / BBSRC (UK) / The Wellcome Trust (UK) / Israel Science Foundation

### **Manuscript Reviewing**

Cognitive Science Society / Journal of Experimental Psychology: Learning, Memory, and Cognition / Memory & Cognition / Journal of Cognitive Neuroscience / International Journal of Psychophysiology / Quarterly Journal of Experimental Psychology / Behavioral and Brain Functions / Brain Research / Neuropsychologia / Cognitive Neurodynamics / Experimental Psychology / Discourse Processes / Acta Psychologica / Brain and Cognition / Australian Journal of Psychology / Cognitive, Affective, and Behavioral Neuroscience / American Journal of Psychology / Memory / Journal of Applied Research in Memory & Cognition / American Journal of Political Science / Clinical Medicine Insights: Psychiatry / Political Behavior / Psychology & Neuroscience / Consciousness and Cognition / Scandinavian Journal of Psychology / Cognition / Emotion / Cortex / Journal of Communication / Developmental Psychology / Journal of Memory and Language / PLOS ONE / Climate / Social Influence / Cognitive Processing / Current Directions in Psychological Science / Japanese Psychological Research / Journal of Experimental Psychology: Applied / Contemporary Educational Psychology

## Publications

**Peer-reviewed papers** (Note: ^ denotes student co-authorship; 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 2.01)

42. Lewandowsky, S., **Ecker, U. K. H.**, & Cook, J. (in press). Beyond misinformation: Understanding and coping with the post-truth era. *Journal of Applied Research in Memory and Cognition*. [IF 2.85; AIS 1.30; 21/84; Q1]
41. ^Allanson, F., & **Ecker, U. K. H.** (in press). No evidence for a role of reconsolidation in updating of paired associates. *Journal of Cognitive Psychology*. [IF 1.50; AIS 0.67; 57/84; Q3]
40. 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]
39. ^Swire, B., **Ecker, U. K. H.**, & Lewandowsky, S. (in press). The role of familiarity in correcting inaccurate information. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. [IF 2.67; AIS 1.31; 26/84; Q2]
38. ^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%]
37. ^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]
36. **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]
35. 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]
34. **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%]
33. **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]
32. ^Cook, J., **Ecker, U. K. H.**, & Lewandowsky, S. (2015). Misinformation and how to correct it. *Emerging Trends in the Social and Behavioral Sciences*, 1-17.
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**

- B5. ^Swire, B. & **Ecker, U. K. H.** (in press). 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*. Austin, TX: University of Texas Press.

- 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.

### **Invited book reviews**

- 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**

44. **Ecker, U. K. H.** (2017). Misinformation: Implications and effects of worldview (talk). *12<sup>th</sup> 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. (symposium). *12<sup>th</sup> 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.** (2017). The continued influence effect of misinformation—Source credibility and backfire effects. (talk). *12<sup>th</sup> Biennial Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XII*, Sydney, Australia, January 3-6, 2017.
41. **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.
40. ^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.
39. **Ecker, U. K. H.**, ^Swire, B., & Lewandowsky, S. (2016). Correcting misinformation – An investigation into backfire effects. (talk) *6<sup>th</sup> International Conference on Memory, ICOM6*, Budapest, Hungary, July 17-22, 2016.
38. **Ecker, U. K. H.**, ^Singh, K., & Gignac, G. E. (2016). Working memory updating and the removal of outdated information. (talk) *6<sup>th</sup> International Conference on Memory, ICOM6*, Budapest, Hungary, July 17-22, 2016.
37. **Ecker, U. K. H.**, ^Swire, B., & Lewandowsky, S. (2016). That’s not true! – An investigation into backfire effects in misinformation corrections. (talk) *43<sup>rd</sup> Australasian Experimental Psychology Conference, EPC 16*, Melbourne, Australia, March 30 – April 2, 2016.
36. **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.

35. **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.
34. **Ecker, U. K. H.**, Oberauer, K., & Lewandowsky, S. (2015). Working memory updating requires active item-wise removal. *19<sup>th</sup> Meeting of the European Society of Cognitive Psychology, ESCoP 2015*, Paphos, Cyprus, September 17-20, 2015.
33. ^Swire, B. & **Ecker, U. K. H.** (2015). Correcting misinformation and the familiarity backfire effect. (talk) *42<sup>nd</sup> 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) *18<sup>th</sup> 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 achanging. 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**

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 Admin 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 Tech Univ, 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.

## 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: CNN, Scientific American, ABC National TV, ABC Radio National's Science Unit, ABC Radio (Sydney, Brisbane, Perth, Darwin, Newcastle, Rockhampton, Albany), Radio Adelaide, 2SER Radio Sydney, National Community Radio's 4th Estate, ABC online, The West Australian, La Tercera (Chile), YES mag—Science for Kids (Canada), Science Watch (AUS & NZ), Science Network WA, and UWA News.

## Conferences organised

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 school board in 2013. I have recorded two albums as the lead singer and songwriter of the band raindog (1996-2009).