

## Curriculum Vitae

Dr. Lucy H. Butler

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### Education

- 2021 – 2024    Doctor of Philosophy (PhD)  
The University of Western Australia, School of Psychological Science  
Thesis: *Beyond the individual: Examining how characteristics of social media information environments impact susceptibility to misinformation and the effectiveness of misinformation interventions*  
Primary and Coordinating Supervisor: Prof. Ullrich K. H. Ecker  
Co-supervisors: Associate Prof. Nicolas Fay and Dr Briana Kennedy
- 2019            Bachelor of Science with First Class Honours (Psychology)  
The University of Western Australia, School of Psychological Science  
GPA: 7.0/7.0, WAM: 87.88  
Thesis: *The Limited Continued Influence Effect: No Influence of Retracted Event Misinformation on General Attitudes*  
Supervisor: Prof. Ullrich K. H. Ecker
- 2016 – 2018    Bachelor of Science (Double Major in Psychology)  
The University of Western Australia, School of Psychological Science  
GPA: 7.0/7.0, WAM: 86.78

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### Professional Employment

- 2024 – Present    Postdoctoral Research Fellow, Psychology of Misinformation Lab  
Affiliations: Network Science Institute, Department of Psychology, Department of Political Science  
Northeastern University  
Supervisor: Dr Briony Swire-Thompson

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### Peer Reviewed Publications

- Butler, L. H.,** Prike, T., & Ecker, U. K. (2024). Nudge-based misinformation interventions are effective in information environments with low misinformation prevalence. *Scientific Reports*, 14(1), 11495. <https://doi.org/10.1038/s41598-024-62286-7>
- Butler, L. H.,** Fay, N., & Ecker, U. K. (2024). Others (dis-) endorse this so it must (not) be true: High relative endorsement increases perceived misinformation veracity but not correction effectiveness. *Applied Cognitive Psychology*, 38(1), e4146. <https://doi.org/10.1002/acp.4146>
- Prike, T., **Butler, L. H.,** & Ecker, U. K. (2024). Source-credibility information and social norms improve truth discernment and reduce engagement with misinformation online. *Scientific Reports*, 14(1), 6900. <https://doi.org/10.1038/s41598-024-57560-7>

- Butler, L. H.,** Lamont, P., Wan, D. L. Y., Prike, T., Nasim, M., Walker, B., Fay, N. & Ecker, U. K. H. (2023). The (Mis)Information Game: A Social Media Simulator. *Behavior Research Methods*. 1-22. <https://doi.org/10.3758/s13428-023-02153-x>
- Butler, L. H.,** Fay, N. & Ecker, U. K. H. (2022). Social Endorsement Influences the Continued Belief in Corrected Misinformation. *Journal of Applied Research in Memory and Cognition*. <https://doi.org/10.1037/mac0000080>
- 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(1), 1-15. <https://doi.org/10.1186/s41235-021-00346-6>
- 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. <https://doi.org/10.1016/j.jenvp.2020.101464>
- 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 expository misinformation corrections. *Cognitive Research: Principles and Implications*, 5, 64. <https://doi.org/10.1186/s41235-020-00266-x>
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## Book Chapter

- Butler, L. H. & Ecker, U. K. H.** (2023). Misinformation in Open and Closed Online Platforms: Impacts and Countermeasures. In C. Soon (Ed.) *Mobile Communication and Online Falsehoods: Trends, Impact and Practice* (pp. 279-303). Springer.
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## Manuscripts accepted or under review

- Swire-Thompson, B., **Butler, L. H. & Rapp, D.** (2024) The truth sandwich format does not enhance the correction of misinformation. *Accepted at Journal of Educational Psychology*
- Butler, L. H.,** DeGuis, J., Tay, L., Ecker, U. K. H., Swire-Thompson, B. (2024) Corrections are effective for science-relevant misinformation. *Matters arising at Nature Human Behaviour, Revise and Resubmit*
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## Conference Presentations and Posters

- Butler, L. H.,** Rapp, D. & Swire-Thompson, B. (2024). Is the truth sandwich superiority baloney? No evidence for enhanced efficacy for misinformation correction. (poster) 65<sup>th</sup> Meeting of the Psychonomics Society, New York City, USA, November 21-24, 2024.
- Prike, T., **Butler, L. H.,** Modirrousta-Galian, A., Higham, P., Bijak, J, Ecker, U. K. H. (2024). Learning to Tell Fact from Fiction: Exemplar Based Training Improves Discernment of

Misinformation But Only for Similar Headlines. (poster) 65<sup>th</sup> Meeting of the Psychonomics Society, New York City, USA, November 21-24, 2024.

**Butler, L. H.**, Lamont, P. X., Law Yim Wan, D., Prike, T., Nasim, M., Walker, B., Fay, N., & Ecker, U. K. H. (2022). The (Mis)Information Game: A social media simulator. (talk) 14<sup>th</sup> Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XIV, Nagoya, Japan, August 9-12, 2023.

Prike, T., **Butler, L. H.**, & Ecker, U. K. H. (2023). Source-credibility information and social norms reduce misinformation sharing online. (talk) 14<sup>th</sup> Meeting of the Society for Applied Research in Memory and Cognition, SARMAC XIV, Nagoya, Japan, August 9-12, 2023.

Ecker, U. K. H., Lewandowsky, S., Kurz, T., Hurlstone, M. J., **Butler, L. H.**, Cook, J., & Facer, K. (2021). COVID-19 and climate change—Present discourse and future pathways. *Healthy Environments and Living Conference, HEAL 2021*, Canberra, November 17-18.

**Butler, L. H.**, Hamby, A., & Ecker, U. K. H. (2021). You don't have to tell a story! Testing the effectiveness of narrative versus non-narrative misinformation corrections. Virtual SARMAC 2021, July 21-23.

Sanderson, J. A., Swire-Thompson, B., Cook, J., **Butler, L. H.**, Lewandowsky, S., & Ecker, U. K. H. (2021). Evidence for a limited role of correction format when debunking misinformation. Virtual SARMAC 2021, July 21-23.

## Teaching Experience

### *Guest Lecturing*

- 2024 PSYC 3466. Cognition. (Northeastern University, 75 Students)  
Title: What is misinformation and why do people believe it?
- 2022 PSYC2212. Psychology and Social Behaviour (University of Western Australia, Approx. 400 Students)  
Title: The misinformation problem: Why people believe (and continue to believe) misinformation

### *Tutoring/Demonstrating*

- 2023 PSYC2203 – Introduction to Quantitative Methods in Psychology (University of Western Australia)  
3 2-hour classes for 8 teaching weeks
- 2022 PSYC2212 – Psychology and Social Behaviour (University of Western Australia)  
4 2-hour classes for 5 teaching weeks  
Developed materials for two lab classes pertaining to misinformation and social influence, including developing the materials for the unit's main assessment piece
- 2022 PSYC2203 – Introduction to Quantitative Methods in Psychology (University of Western

Australia)

4 2-hour classes for 3 teaching weeks

2021 PSYC1102 – Psychology: Behaviour in Context (University of Western Australia)

4 2-hour classes for 6 teaching weeks

## Skills and Certificates

- Statistical software including RStudio, SPSS, Statistica, Jamovi and JASP (including competence in Bayesian hypothesis testing and multilevel modelling methods)
- Competent in JavaScript, jsPsych, and HTML
- Online survey software including Qualtrics and Survey Monkey
- Running studies on crowdsourcing platforms Prolific Academic and Amazon Mechanical Turk
- Understanding Dementia MOOC – The University of Tasmania

## Additional Research Experience

Jan 2020 Intern with the Ecker Memory and Cognition Lab

- Jan 2021 - Involved in development of experimental design and materials, data analysis, and manuscript drafting and editing of three studies focusing on the effectiveness of different correction types in reducing the continued influence of misinformation, and the effect of different framings of climate change during the COVID-19 crisis on support for climate action.

## Service

### *Ad-hoc Manuscript Reviewing*

Acta Psychologica, Applied Psychology: Health and Well-Being, Cognitive Research: Principles and Implications (x3), Journal of Applied Research in Memory and Cognition (x2), Personality and Individual Differences (x2), Political Analysis, Scientific Reports (x2), Self and Identity, Social Media + Society

### *Academic and Professional Engagements*

#### **Leadership and Representation**

- **How to peer review panel for NetSi PhD students.**  
*With Alessandro Vespignani, Brennan Klein, David Lazer, Esteban Moro & Milo Trujillo.*
- **PhD Student Representative**, Engagement and Impact Committee, School of Psychological Science, University of Western Australia (March 2023 – Present)
- **Co-coordinator**, UWA School of Psychological Science fortnightly journal club (2022 – Present)

## Public Engagement and Outreach

- **School of Psychological Science Exhibition**, Open UWA Day (2023)
- **High School Activities:**
  - *You are Fake News: A Psychological Science High School Activity*
    - St. Mark's Anglican Community School (November 29, 2022)  
Presented by **Butler L. H.**, Esensoy K., & Tay L.
    - Fredrick Irwin Anglican School (September 21, 2022)  
Presented by **Butler L. H.**, Brett, J., Tough, J., Tehrani, A. A., & Tay L.

## Consultation and Mentorship

- **Consultant**, Youth Affairs Council of Western Australia
  - Advised on the impact of COVID-19 on regional and rural young people (2020)
- **Unimmentor**, UWA Albany Campus (2017)
- **Peer Assisted Learning Facilitator**, PSYC1101: Psychology Mind and Brain, UWA Albany Campus (2017)

## Scholarships and Prizes

2024	<b>Dean's List Honourable Mention—Recognition of an Outstanding Thesis (top 5% of theses at the University of Western Australia)</b> <i>Project: Beyond the individual: Examining how characteristics of social media information environments impact susceptibility to misinformation and the effectiveness of misinformation interventions</i>
2021 – 2024	<b>Australian Government Research Training Program Stipend (\$30000 - \$35000 p/a)</b>
2017	<b>PSYC2213 Psychology: Lifespan Development Highest Achieving Student</b>
2017	<b>UWA Albany Science Scholarship (\$5000)</b> Awarded based on academic achievement and enrolment in a Bachelor of Science at UWA Albany Campus
2016	<b>Watkin's Family Prize (\$1000)</b> Awarded to the UWA Albany first year student with the highest average mark across the four units they achieved their highest marks.
2016	<b>Clive Malcolm Memorial Sustainability Scholarship (\$2500)</b> Awarded based on academic achievement and enrolment at the UWA Albany campus

## Media

How to talk to your 'skeptical' family about science misinformation. *Popular Science*.  
<https://www.popsoci.com/health/how-to-talk-about-science-misinformation/>

Misinformation is easy to ignore online, but what to do when it permeates the festive family lunch?  
*The Monthly* <https://www.themonthly.com.au/blog/santilla-chingaipe/2024/19/2024/christmas-crackers>