

# Tom E. Hardwicke

Melbourne School of Psychological Sciences

University of Melbourne

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tomhardwicke.github.io

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## ACADEMIC APPOINTMENTS

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<b>Research Fellow.</b>	2022 - present
Melbourne School of Psychological Sciences, University of Melbourne, Australia. Advisor: Prof. Simine Vazire.	
<b>Marie Skłodowska-Curie Research Fellow.</b>	2020 – 2022
Department of Psychology, University of Amsterdam, The Netherlands. Advisor: Prof. Eric-Jan Wagenmakers.	[2 years]
<b>Visiting Fellow.</b>	2020 – 2021
Berlin Institute of Health QUEST Center, Charité – Universitätsmedizin Berlin, Germany.	[1 year]
<b>Postdoctoral Scholar.</b>	2019 – 2020
Meta-Research Innovation Center Berlin (METRIC-B), Berlin Institute of Health QUEST Center, Charité – Universitätsmedizin Berlin, Germany. Advisor: Prof. John Ioannidis.	[1 year]
<b>Postdoctoral Fellow.</b>	2017 – 2018
Meta-Research Innovation Center at Stanford (METRICS), Stanford University, USA. Advisors: Prof. John Ioannidis, Prof. Steven Goodman, & Prof. Michael Frank.	[2 years]

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## EDUCATION

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<b>PhD Experimental Psychology.</b>	2012 – 2016
University College London, UK. Advisor: Prof. David Shanks.	[4 years]
<b>MRes Brain Imaging and Cognitive Neuroscience.</b>	2011 – 2012

University of Birmingham, UK.	[1 year]
<b>BSc Psychology (First Class Honours).</b>	2007 – 2011
Cardiff University, UK.	[4 years]

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## BOOKS & BOOK CHAPTERS

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1. Frank, M. C., Braginsky, M., Cachia, J., Coles, N., **Hardwicke, T. E.**, Hawkins, R., Mathur, M., & Williams, R. (2024). *Experimentology: An open science approach to experimental psychology methods*. MIT Press.  
[\[open access book\]](#)
2. **Hardwicke, T. E.** & Vazire, S. (accepted). Open science. In Frank, M. C. & Majid, A. (Eds). *The Open Encyclopedia of Cognitive Science*. MIT Press.

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## EDITORIALS

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3. **Hardwicke, T. E.**, & Vazire, S. (2023). Transparency is now the default at Psychological Science. *Psychological Science*.  
[\[paper\]](#)

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## PEER-REVIEWED JOURNAL ARTICLES

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4. **Hardwicke, T. E.**, Schiavone, S., Clarke, B., Vazire, S. (Registered Report accepted in principle). Finding the right words to evaluate research: An empirical appraisal of eLife's assessment vocabulary. *PLOS Biology*.  
[\[preregistration\]](#) [\[data\]](#) [\[materials\]](#) [\[analysis-code\]](#) [\[reproducible container\]](#)
5. **Hardwicke, T. E.**, & Wagenmakers, E.-J. (2023). Reducing bias, increasing transparency, and calibrating confidence with preregistration. *Nature Human Behaviour*, 7, 15-26.  
[\[paper\]](#) [\[preprint\]](#)
6. Thibault, R. T., Kovacs, M., **Hardwicke, T. E.**, Sarafoglou, A., Ioannidis, J. P. A., & Munafò, M. R. (2023). Reducing bias in secondary data analysis via an Explore and Confirm Analysis Workflow (ECAW): A proposal and survey of observational researchers. *Royal Society Open Science*, 10, 230568.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[data\]](#) [\[materials\]](#) [\[analysis\]](#)
7. **Hardwicke, T. E.**, Salholz-Hillel, M., Malički, M., Szűcs, D., Bendixen, T., Ioannidis, J. P. A. (2023). Statistical guidance to authors at top-ranked

journals across scientific disciplines. *The American Statistician*, 77(3), 239-247.

[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[data\]](#) [\[materials\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

8. **Hardwicke, T. E.**, Thibault, R. T., Kosie, J. E., Tzavella, L., Bendixen, T., Handcock, S. A. Köneke, V. E., Ioannidis, J. P. A. (2022). Post-publication critique at top-ranked journals across scientific disciplines: A cross-sectional assessment of policies and practice. *Royal Society Open Science*, 9, 220139.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[data\]](#) [\[materials\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
9. TARG Meta-Research Group & Collaborators [Thibault, R. T., **Hardwicke, T. E.**, Clark, R. W. A., Pennington, C. R., Nilsonne, G., O'Mahony, A., Drax, K., Thompson, J., Munafò, M. R.] (2022). Discrepancy review: A feasibility study of a novel peer review intervention to reduce undisclosed discrepancies between registrations and publications. *Royal Society Open Science*, 9, 220142.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[data\]](#) [\[materials\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
10. Nosek, B. A., **Hardwicke, T. E.**, Moshontz, H., Allard, A., Corker, K. S., Dreber, A., Fidler, F., Hilgard, J., Kline Struhl, M., Nuijten, M., Rohrer, J., Romero, F., Scheel, A., Scherer, L., Schönbrodt, F., & Vazire, S. (2022). Replicability, robustness, and reproducibility in psychological science. *Annual Review of Psychology*, 73, 719-748.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
11. **Hardwicke, T. E.**, Thibault, R. T., Kosie, J. E., Wallach, J. D., Kidwell, M. C., & Ioannidis, J. P. A. (2022). Estimating the prevalence of transparency and reproducibility-related research practices in psychology (2014-2017). *Perspectives on Psychological Science*, 17(1), 239-251.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
12. **Hardwicke, T. E.**, Szűcs, D., Thibault, R. T., Crüwell, S., van den Akker, O. R., Nuijten, M. B., & Ioannidis, J. P. A. (2021). Citation patterns following a

strongly contradictory replication result: Four case studies from psychology. *Advances in Methods and Practices in Psychological Science*, 4(3), 1-14.

[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

13. **Hardwicke, T. E.**, Bohn, M., MacDonald, K., Hembacher, E., Nuijten, M. B., Peloquin, B. N., deMayo, B., Long, B., Yoon, E. J., & Frank, M. C. (2021). Analytic reproducibility in articles receiving open data badges at Psychological Science: An observational study. *Royal Society Open Science*, 8, 201494.

[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

14. **Hardwicke, T. E.**, & Goodman, S. N. (2020). How often do leading biomedical journals use statistical experts to evaluate statistical methods? The results of a survey. *PLOS ONE*, 15(10), e0239598.

[\[paper\]](#) [\[preprint\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

15. **Hardwicke, T. E.**, Serghiou, S., Janiaud, P., Danchev, V., Crüwell, S., Goodman, S. N., & Ioannidis, J. P. A. (2020). Calibrating the scientific ecosystem through meta-research. *Annual Review of Statistics and its Application*, 7, 11-37.

[\[paper\]](#) [\[preprint\]](#)

16. Ferrero, M., **Hardwicke, T. E.**, Konstantinidis, E., & Vadillo, M. A. (2020). The effectiveness of refutation texts to correct misconceptions among educators. *Journal of Experimental Psychology: Applied*, 26(3), 411-421.

[\[paper\]](#) [\[preprint\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#)

17. **Hardwicke, T. E.**, Wallach, J. D., Kidwell, M. C., Bendixen, T., Crüwell, S., & Ioannidis, J. P. A. (2020). An empirical assessment of transparency and reproducibility-related research practices in the social sciences (2014-2017). *Royal Society Open Science*, 7, 190806.

[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

18. **Hardwicke, T. E.**, & Ioannidis, J. P. A. (2019). Petitions in scientific argumentation: dissecting the request to retire statistical significance. *European Journal of Clinical Investigation*, 49(10), e13162.

[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)

19. Nosek, B. A., Beck, E. D., Campbell, L., Flake, J. K., **Hardwicke, T. E.**, Mellor, D. T., van 't Veer, A. E., & Vazire, S. (2019). Preregistration is hard, and worthwhile. *Trends in Cognitive Sciences*, 23(10), 815-818.  
[\[paper\]](#) [\[preprint\]](#)
20. **Hardwicke, T. E.**, Frank, M. C., Vazire, S., & Goodman, S. N. (2019). Should psychology journals adopt specialized statistical review? *Advances in Methods and Practices in Psychological Science*, 2(3), 240-249.  
[\[paper\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
21. **Hardwicke, T. E.** & Ioannidis, J. P. A. (2018). Mapping the universe of Registered Reports. *Nature Human Behaviour*, 2, 793–796.  
[\[paper\]](#) [\[preprint\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
22. **Hardwicke, T. E.**, Mathur, M. B., MacDonald, K. E., Nilsonne, G., Banks, G. C., Kidwell, M. C., Hofelich Mohr, A., Clayton, E., Yoon, E. J., Henry Tessler, M., Lenne, R. L., Altman, S., Long, B., & Frank, M. C. (2018). Data availability, reusability, and analytic reproducibility: Evaluating the impact of a mandatory open data policy at the journal Cognition. *Royal Society Open Science*, 5, 180448.  
[\[paper\]](#) [\[preprint\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
23. **Hardwicke, T. E.** & Ioannidis, J. P. A. (2018). Populating the Data Ark: An Attempt to retrieve, preserve, and liberate data from the most highly-cited psychology and psychiatry articles. *PLOS ONE*, 13(8): e0201856.  
[\[paper\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#) [\[reproducible-container\]](#)
24. **Hardwicke, T. E.**, Tessler, M. H., Peloquin, B. N., Frank, M. C. (2018). A Bayesian decision-making framework for replication. *Behavioral and Brain Sciences*, 41, e132.  
[\[paper\]](#) [\[preprint\]](#)
25. Klein, O., **Hardwicke, T. E.**, Aust, F., Breuer, J., Danielsson, H., Hofelich Mohr, A., IJzerman, H., Nilsonne, G., Vanpaemel, W., & Frank, M. C. (2018). A practical guide for transparency in psychological science. *Collabra: Psychology*, 4(1), 20.  
[\[paper\]](#) [\[materials\]](#)

26. Cristea, I. A., Naudet, F., Shanks, D. R., & **Hardwicke, T. E.** (2017). Post-retrieval Tetris should not be likened to a 'cognitive vaccine'. *Molecular Psychiatry*, 23, 1972-1973.  
[\[paper\]](#) [\[pdf\]](#) [\[data\]](#) [\[analysis\]](#)
27. **Hardwicke, T. E.** & Shanks, D. R. (2016). Reply to Walker and Stickgold: Proposed boundary conditions on memory reconsolidation will require empirical verification. *Proceedings of the National Academy of Sciences*, 113(28), E3993-E3994.  
[\[paper\]](#)
28. Kidwell, M. C., Lazarević, L. B., Baranski, E., **Hardwicke, T. E.**, Piechowski, S., Falkenberg, L-S., Kennett, C., Slowik, A., Sonnleitner, C., Hess-Holden, C., Errington, T. M., Fiedler, S., & Nosek, B. A. (2016). Badges to acknowledge open practices: A simple, low cost, effective method for increasing transparency. *PLOS Biology*, 14(5): e1002456.  
[\[paper\]](#) [\[preregistration\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#)
29. **Hardwicke, T. E.**, Mahdi, T., & Shanks, D. R. (2016). Post-retrieval new learning does not reliably induce human memory updating via reconsolidation. *Proceedings of the National Academy of Sciences*, 113(19), 5206-5211.  
[\[paper\]](#) [\[pdf\]](#) [\[materials\]](#) [\[data\]](#) [\[analysis\]](#)
30. Vadillo, M. A., **Hardwicke, T. E.**, Shanks, D. R. (2016). Publication bias, vote counting, and money priming effects: A comment on Rohrer, Pashler, and Harris (2015) and Vohs (2015). *Journal of Experimental Psychology: General*, 145(5), 655-663.  
[\[paper\]](#) [\[pdf\]](#) [\[data\]](#)
31. Baker, R., Dexter, M., **Hardwicke, T. E.**, Goldstone, A., Kourtzi, Z. (2014). Learning to predict: Exposure to temporal sequences facilitates prediction of future events. *Vision Research*, 99, 124-133.  
[\[paper\]](#)
32. Ludwig, C. J. H., Farrell, S., Ellis, L. A., **Hardwicke, T. E.**, & Gilchrist, I. D. (2012). Context-gated statistical learning and its role in visual-saccadic decisions. *Journal of Experimental Psychology: General*, 141(1), 150-169.  
[\[paper\]](#) [\[pdf\]](#)
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## PRESENTATIONS

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- Hardwicke, T. E. (2024). Improving science with meta-research. *Yonsei University College of Medicine, South Korea*. [invited]
- Hardwicke, T. E. (2023). Making transparency the default. *Association for Interdisciplinary Meta Research and Open Science Conference, Australia*. [invited]
- Hardwicke, T. E. (2023). Improving science with meta-research. *University of Canterbury, New Zealand*. [invited]
- Hardwicke, T. E. (2023). Improving science with meta-research. *Therapeutics Initiative, University of British Columbia, Canada*. [invited]
- Hardwicke, T. E. (2023). Improving science with meta-research. *School of Psychology, University of New South Wales, Australia*. [invited]
- Hardwicke, T. E. (2023). How should journals handle scientific criticism? *Metascience 2023, USA*. [invited]
- Hardwicke, T. E. (2023). Bad statistics: What can journals do? *Statistical Society of Australia, Queensland Branch, Australia*. [invited]
- Hardwicke, T. E., Salholz-Hillel, M., Malički, M., Szűcs, D., Bendixen, T., Ioannidis, J. P. A. (2022). Statistical guidance to authors at top-ranked journals across 22 scientific disciplines. *International Congress on Peer Review and Scientific Publication, USA*.
- Hardwicke, T. E., Thibault, R. T., Kosie, J. E., Tzavella, L., Bendixen, T., Handcock, S. A. Köneke, V. E., Ioannidis, J. P. A. (2022). Assessment of postpublication critique policies and practice at top-ranked journals in 22 scientific disciplines. *International Congress on Peer Review and Scientific Publication, USA*.
- Hardwicke, T. E. (2022). Defence against the Dark Arts: The potential, progress, and possible pitfalls of preregistration. *Joint Statistical Meetings, USA*. [invited]
- Hardwicke, T. E. (2022). Independent post-publication editors: A proposal to facilitate transparency, accountability, and critical discourse at academic journals. *Society for the Improvement of Psychological Science Conference, Canada*.
- Hardwicke, T. E. (2022). Making transparency the default in scientific research: How are we doing and where are we going? *CIDER Workshop, Leibniz*

*Institute for Research and Information in Education, Germany.* [invited keynote]

Hardwicke, T. E. (2022). How should journals handle scientific criticism? *METRICS International Forum, Stanford University, USA.* [invited]

Hardwicke, T. E. (2022). Citation patterns following a strongly contradictory replication result: Four case studies from psychology. *Berkeley Initiative for Transparency in the Social Sciences Annual Meeting. University of California, Berkeley, USA.*

Hardwicke, T. E. (2021). Computational reproducibility in psychology: Essential, neglected, & achievable. *Association for Interdisciplinary Meta Research and Open Science Conference, Australia.* [invited]

Hardwicke, T. E. (2021). Share if you can, declare if you can't: Making transparency the default in psychological science. *University of Lancaster, UK.* [invited]

Hardwicke, T. E. (2021). Preregistration: A pragmatic tool to reduce bias and calibrate confidence in scientific research. *Ludwig Maximilian University of Munich, Germany.* [invited]

Hardwicke, T. E. (2020). Calibrating the scientific ecosystem through meta-research. *University of Osnabrück, Germany.* [invited]

Hardwicke, T. E. (2020). Calibrating the scientific ecosystem through meta-research. *University of Bristol, UK.* [invited]

Hardwicke, T. E. (2020). What is this thing called open science? *Goethe University Frankfurt, Germany.* [invited]

Hardwicke, T. E. (2020). What is this thing called open science? *Friedrich-Schiller University of Jena, Germany.* [invited]

Hardwicke, T. E. (2019). Just another brick in the wall? On the diagnosticity of replications and their contribution to scientific progress. *University of Hamburg, Germany.* [invited]

Hardwicke, T. E., Wallach, J. D., Crüwell, S., & Ioannidis, J. P. A. (2019). Transdisciplinary estimates for the prevalence of transparency and reproducibility related research practices. *Association for Interdisciplinary Meta Research and Open Science Conference, Australia.* [poster]



- Hardwicke, T. E. (2019). Calibrating the scientific ecosystem through meta-research. *University of Trier, Germany*. [invited keynote]
- Hardwicke, T. E. (2018). Rehabilitating the scientific ecosystem. *The Bank of England, UK*. [invited]
- Hardwicke, T. E. (2018). What is this thing we call 'open science'? *Stanford University, USA*. [invited]
- Hardwicke, T. E. (2018). Fostering the preservation, liberation, and re-use of data in psychological science. *University of California, Davis, USA*. [invited]
- Hardwicke, T. E., Mathur, M. B., Nilsson, G., McCarthy, R., Hofelich Mohr, A., & Lindsay, D. S. (2018). Analysis Exchange: Developing an online platform to request verification of analytic reproducibility and statistical expertise. *Society for the Improvement of Psychological Science Conference*.
- Hardwicke, T. E. (2018). SMART pre-registrations: Developing a citation system to facilitate comparison of protocols and papers. *Society for the Improvement of Psychological Science Conference*.
- Hardwicke, T. E. (2017). Principles of reproducible research. *Stanford University, USA*. [invited]
- Hardwicke, T. E. (2017). Open data are not enough: An evaluation of data availability and computational reproducibility at the journal Cognition. Department of Psychology, *Stanford University, USA*.
- Hardwicke, T. E. (2017). Open data are not enough: An evaluation of data availability and computational reproducibility at the journal Cognition. *Society for the Improvement of Psychological Science Conference*.
- Hardwicke, T. E., & Shanks, D. R. (2016). Revisiting the misinformation effect: Does reconsolidation overwrite existing memories? *6th International Conference on Memory, Hungary*. [poster]
- Hardwicke, T. E., Mahdi, T., & Shanks, D. R. (2016). Post-retrieval new learning does not reliably induce human memory updating via reconsolidation. *6th International Conference on Memory, Hungary*.
- Hardwicke, T. E., & Shanks, D. R. (2015). Does reconsolidation enable human memory updating? *Experimental Psychology Society London Meeting, UK*.
- Hardwicke, T. E., & Shanks, D. R. (2014). Does reconsolidation enable human memory updating? *UCL Faculty of Brain Sciences Symposium, UK*. [poster]

Hardwicke, T. E. (2013). The stability and plasticity of human knowledge. *ESRC UCL DTC Annual Meeting, UK*. [poster]

Hardwicke, T. E., Ludwig, C. J. H., Farrell, S., Ellis, L. A., & Gilchrist, I. D. (2010). Learning the environmental statistics facilitates effective gaze allocation. *BPS Welsh Branch Annual Student Conference, UK*.

Hardwicke, T. E., Ludwig, C. J. H., Farrell, S., Ellis, L. A., & Gilchrist, I. D. (2010). Statistical learning facilitates effective gaze allocation. *BVI Young Researchers' Colloquium, UK*. [poster]

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## AWARDS

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**Einstein Early Career Award (top four finalist).** Einstein Foundation, Germany. 2022

**Best Poster Prize.** Economic and Social Research Council Annual Meeting, UK. 2013

**The George Westby Prize (highest degree grade).** Cardiff University, UK. 2011

**The Stuart Diamond Memorial Prize (best final year project).** Cardiff University, UK. 2011

**The British Psychological Society Undergraduate Award.** Cardiff University, UK. 2011

**Best Presentation Award.** British Psychological Society Student Conference, UK. 2010

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## GRANTS AND FUNDING

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**Melbourne School of Psychological Sciences Academic Fellowship.** University of Melbourne, Australia. AUD\$365,000. 2024 – 2027

**Melbourne Data Analytics Platform Faculty Supported Collaboration.** University of Melbourne, Australia. AUD\$134,086. 2024

**Marie Skłodowska-Curie Individual Fellowship.** European Commission, Europe. AUD\$306,000. 2020

<b>Grindley Grant (travel), International Conference on Memory.</b>	2016
Experimental Psychology Society, UK.	
<b>Travel Grant, International Conference on Memory.</b>	2016
University College London, UK.	
<b>ESRC Collaborative Placement Funding.</b>	2015
Economic and Social Research Council, UK.	
<b>Travel Grant, Human Factors in Science Symposium.</b>	2014
University College London, UK.	
<b>ESRC PhD Studentship.</b>	2012
Economic and Social Research Council, UK.	

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## TEACHING

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<b>Ad-hoc Lecturer</b> (“Evaluating journal policy: Interrupted time series design and reproducibility checks”). <i>Meta-Research Methods (graduate-level)</i> , Berlin Institute of Health QUEST Center, Charité – Universitätsmedizin Berlin, Germany.	2023
<b>Ad-Hoc Lecturer</b> (“Calibrating the scientific ecosystem through meta-research”). <i>Good Research Practices (graduate-level)</i> , Department of Psychology, University of Amsterdam.	2021
<b>Ad-Hoc Lecturer</b> (“Calibrating the scientific ecosystem through meta-research”). <i>Good Research Practices (graduate-level)</i> , Department of Psychology, University of Amsterdam.	2020
<b>Ad-Hoc Lecturer</b> (“Reproducible reports with R Markdown”). <i>Western Psychological Association Convention</i> . [with Michael Frank]	2020
<b>Ad-Hoc Lecturer</b> (“Principles of research reproducibility and transparency”). <i>Essentials of Clinical Research (graduate level)</i> , Stanford Medicine, Stanford University.	2018
<b>Ad-Hoc Lecturer</b> (“Creating reproducible research reports using R Markdown”). <i>SPSP Webinar</i> . [with Michael Frank]	2018

<b>Ad-Hoc Lecturer</b> (“How to write a reproducible scientific paper”). <i>Experimental Methods (graduate-level)</i> , Department of Psychology, Stanford University.	2018
<b>Ad-Hoc Lecturer</b> (“Data visualization in R”). <i>Introduction to R (undergraduate-level)</i> , Department of Psychology, Stanford University.	2018
<b>Ad-Hoc Lecturer</b> (“Repeatability, reproducibility, and validation”). <i>Scientific Method and Bias (undergraduate-level)</i> , Stanford University.	2018
<b>Ad-Hoc Lecturer</b> (“On the nature of replication”). <i>CSLI Summer School (undergraduate-level)</i> , Center for the Study of Language and Information, Stanford University.	2017
<b>Ad-Hoc Lecturer</b> (“Building a reproducible research workflow”). <i>Essentials of Clinical Research (graduate-level)</i> , Stanford Medicine, Stanford University.	2017
<b>Postgraduate Teaching Assistant.</b> <i>Research and Quantitative Methods in Psychology (undergraduate-level)</i> , Department of Experimental Psychology, University College London.	2014 -2016
<b>Ad-Hoc Lecturer</b> (“Introduction to open science”). <i>Social Cognition (graduate-level)</i> , Department of Experimental Psychology, University College London.	2016
<b>Ad-Hoc Lecturer</b> (“Introduction to memory & learning”). <i>Cognitive and Decision Sciences (graduate-level)</i> , Department of Experimental Psychology, University College London.	2015

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## STUDENT SUPERVISION, MENTORSHIP, AND ASSESSMENT

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**PhD students:** Sophia Crüwell (2023); Maia Salholz-Hillel (current); Beth Clarke (current).

**Undergraduate/masters students:** Mahdi Taqi (2014); Gudmundur Haraldsson (2015); Bethany Manning (2016); Emily Huxtable (2017); Athena Braun (2018); Judith Herbers (2020); Annie Whamond (2023).

**PhD Examination Committees:** Natalie Schroyens (2021, KU Leuven); Michael Gordon (2022, Massey University); Alexandra Sarafoglou (2023, University of Amsterdam).

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## PROFESSIONAL SERVICE

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<b>Senior Editor for Statistics, Transparency, and Rigour.</b> Psychological Science.	2024 – present
<b>Committee Member.</b> UK Reproducibility Network (UKRN) International Advisory Committee.	2023 – present
<b>Associate Editor.</b> Royal Society Open Science.	2023 – present
<b>Secretary and Board Member.</b> Association for Interdisciplinary Meta-Research and Open Science (AIMOS).	2022 – present
<b>Co-organiser.</b> ReproducibiliTea journal club. University of Melbourne.	2022 – present
<b>Affiliate.</b> Meta-Research Innovation Center at Stanford (METRICS).	2019 – present
<b>Open Science Catalyst.</b> Berkeley Initiative for Transparency in the Social Sciences (BITSS).	2017 – present
<b>Lead scientific organiser.</b> Royal Society Meeting on the <i>Promises and Pitfalls of Preregistration</i> . The Royal Society, UK.	2024
<b>Open Science Ambassador.</b> Center for Open Science.	2015 – 2023
<b>Conference Program Committee Member.</b> Society for the Improvement of Psychological Science 2020 Annual Conference.	2020
<b>Executive Committee Member.</b> Society for the Improvement of Psychological Science.	2018 – 2019
<b>Conference Program Committee Chair.</b> Society for the Improvement of Psychological Science 2019 Annual Conference, The Netherlands.	2019
<b>Scholar in Residence.</b> Center for Open Science.	2015
<b>Convener.</b> Is Science Broken? [Public debate]. University College London.	2015
<b>Co-founder.</b> Postgraduate discussion group CRITUCL. University College London.	2012 – 2015
<b>Opticon1826 Faculty Editor (Brain Sciences).</b> University College London.	2012 – 2015

**ESRC Student Representative.** University College London. 2012 – 2014

**Peer-review (journals/conferences).** Advances in Methods and Practices in Psychological Science. Royal Society Open Science. Nature Human Behaviour. Perspectives on Psychological Science. Psychological Bulletin. American Psychologist. Collabra: Psychology. PLOS ONE. International Congress on Peer Review and Scientific Publication. Behavior Research Methods. PNAS. PLOS Computational Biology. Research Integrity and Peer Review. Research Synthesis Methods. Journal of Experimental Psychology: Learning Memory & Cognition. Neuroinformatics. Research Synthesis. BMC Research Notes. General Psychiatry. Prevention Science. Social Psychological Bulletin. Behavioural Brain Research. Nature Communications. PeerJ. Sports Medicine. Communications of the ACM. Psychological Methods. Cognition. Psychological Science. Science.

**Peer-review (funders).** National Science Foundation (USA). National Science Center (Poland). FWF Austrian Science Fund (Austria). UK Research and Innovation (UK).

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## PUBLIC OUTREACH, MEDIA, AND POLICY

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**Media coverage of research.** *The Atlantic* (2023, <https://shorturl.at/dyU23>), *Vox* (2023, <https://shorturl.at/brtOQ>), *Science* (2022, <http://tinyurl.com/yu5rn2a7>), *Times Higher Education* (2022, <https://shorturl.at/ALY06>), *Nature News* (2018, <https://shorturl.at/osDZ9>; 2016, <https://shorturl.at/fkT57>), *APS Observer* (2019, <https://shorturl.at/dxAL3>), *Discover Magazine* (2019, <https://shorturl.at/kAlQ8>).

**Media interviews.** *BJKS podcast* (2024), *Science* (2021, <https://shorturl.at/mnpwR>), *Nature News* (2020, <https://shorturl.at/cefrE>).

### Government policy documents citing my research

- The UK Academy of Medical Sciences (2021). *Response to the House of Commons Science Technology Committee consultation on reproducibility and research integrity*. <https://shorturl.at/qstyW>
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- US Environmental Protection Agency (2021). Strengthening transparency in pivotal science underlying significant regulatory actions and influential scientific information. <https://shorturl.at/OQS13>
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- United Nations Conference on Trade and Development (2017). *New innovation approaches to support the implementation of the Sustainable Development Goals*. <https://shorturl.at/ghITX>
- The Health Council of the Netherlands (2016). *Research that will improve you*. <https://shorturl.at/pqrAS>

### **Submissions to policy consultations**

- Coalition for Advancing Research Assessment (CoARA, 2023).
- Australian Government Universities Accord Discussion (2023).
- Australian Government Tertiary Education Quality and Standards Agency (TESQA, 2023).
- Australian Government National Science and Research Priorities (2023).

### **Workshops / panel discussions / outreach talks (selected)**

- Outreach talk at the Bank of England (2018).
- AIMOS Careers in Meta-research panel discussion (2022, <https://shorturl.at/zFKX9>).
- Workshops on *Reproducible Reports with R Markdown* for the Western Psychological Association Convention (2020) and Society for Personality and Social Psychology (2018).

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## **REFERENCES**

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Available on request.