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| **Tom E. Hardwicke** |
| School of Psychology  University of Sydney  tom.hardwicke@sydney.edu.au  [tomhardwicke.github.io](file:///Users/tom/Documents/academia/CV/tomhardwicke.github.io) |

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| ACADEMIC APPOINTMENTS | | |
| Senior Lecturer. School of Psychology,  University of Sydney, Australia. | 2025 – present | |
| Research Fellow / Senior Research Fellow Melbourne School of Psychological Sciences,  University of Melbourne, Australia.  Advisor: Prof. Simine Vazire. | 2022 – 2025 | |
| MarieSkłodowska*-*Curie Research Fellow. Department of Psychology,  University of Amsterdam, The Netherlands.  Advisor: Prof. Eric-Jan Wagenmakers. | 2020 – 2022  [2 years] | |
| Postdoctoral Scholar. Meta-Research Innovation Center Berlin (METRIC-B),  Berlin Institute of Health QUEST Center, Charité – Universitätsmedizin Berlin, Germany.Advisor: Prof. John Ioannidis. | 2019 – 2020  [1 year] | |
| Postdoctoral Fellow. Meta-Research Innovation Center at Stanford (METRICS),  Stanford University, USA.  Advisors: Prof. John Ioannidis, Prof. Steven Goodman, & Prof. Michael Frank. | 2017 – 2018  [2 years] | |
| EDUCATION | | |
| PhD Experimental Psychology. University College London, UK.  Advisor: Prof. David Shanks. | 2012 – 2016  [4 years] | |
| MRes Brain Imaging and Cognitive Neuroscience. University of Birmingham, UK. | 2011 – 2012  [1 year] | |
| BSc Psychology (First Class Honours). Cardiff University, UK. | 2007 – 2011  [4 years] | |
| BOOKS & BOOK CHAPTERS |  | |
| Frank, M. C., Braginsky, M., Cachia, J., Coles, N., **Hardwicke, T. E.**, Hawkins, R., Mathur, M., & Williams, R. (2025). *Experimentology: An open science approach to experimental psychology methods*. MIT Press.  [[open access book]](https://experimentology.io/)  **Hardwicke, T. E.** & Vazire, S. (2024). Open science. In Frank, M. C. & Majid, A. (Eds). *The Open Encyclopedia of Cognitive Science*. MIT Press.  [[open access book chapter]](https://doi.org/10.21428/e2759450.cdacaf45) | | |
| EDITORIALS |  | |
| **Hardwicke, T. E.,** & Vazire, S. (2024). Transparency is now the default at Psychological Science. *Psychological Science, 35*(7), 703-824.  [[paper]](https://doi.org/k96k) | | |
| PEER-REVIEWED JOURNAL ARTICLES | | |
|  | | |
| 33. Whamond, A., Vazire, S., Clarke, B., Moodie, N., Schiavone, S., Thibault, R. T., **Hardwicke, T. E.** (2025). How do psychology journals handle post-publication critique? A cross-sectional study of policy and practice. *Advances in Methods and Practices in Psychological Science*.  [[paper]](https://doi.org/10.1177/25152459251366102) [[preprint]](https://doi.org/10.31234/osf.io/eadhb) [[prereg]](https://osf.io/nqj7b) [[materials]](https://osf.io/8k7m4/) [[data]](https://osf.io/8k7m4/) [[analysis-code]](https://osf.io/8k7m4/) [[reproducible-container]](https://doi.org/10.24433/CO.4794801.v1)  32. Sandoval-Lentisco, A., Tortajada, M., López-Nicolás, R., López-López, J. A., Wagenmakers, E.J., Sánchez-Meca, J., & **Hardwicke, T. E.** (2025). Preregistration of psychology meta-analyses: A cross-sectional study of prevalence and practice. *Advances in Methods and Practices in Psychological Science*.  [[paper]](https://doi.org/10.1177/25152459241300113) [[preprint]](https://osf.io/preprints/metaarxiv/627a4) [[prereg]](https://osf.io/rnv5c) [[materials]](https://osf.io/ru5h4/) [[data]](https://osf.io/ru5h4/) [[analysis-code]](https://osf.io/ru5h4/)  31. **Hardwicke, T. E.**, Thibault, R. T., Clarke, B., Moodie, N., Crüwell, S., Schiavone, S. R., Handcock, S. A., Nghiem, K. A., Mody, F., Erole, T., & Vazire, S. (2024). Prevalence of transparent research practices in psychology: A cross-sectional study of empirical articles published in 2022. *Advances in Methods and Practices in Psychological Science.*  [[paper]](https://doi.org/10.1177/25152459241283477) [[preprint]](https://osf.io/preprints/psyarxiv/t2zs9) [[prereg]](https://osf.io/xh6mg) [[materials]](https://osf.io/yck93/) [[data]](https://osf.io/yck93/) [[analysis-code]](https://osf.io/yck93/) [[reproducible-container]](https://doi.org/10.24433/CO.5081898.v2)  30. **Hardwicke, T. E.,** Schiavone, S., Clarke, B., Vazire, S. (2024). Finding the right words to evaluate research: An empirical appraisal of eLife’s assessment vocabulary [Registered Report]. *PLOS Biology, 22*(8), e3002645.  [[paper]](https://doi.org/10.1371/journal.pbio.3002645) [[preprint]](https://doi.org/10.1101/2023.09.18.558287) [[prereg]](https://doi.org/10.17605/OSF.IO/MKBTP) [[data]](https://osf.io/mw2q4/files/osfstorage/) [[materials]](https://osf.io/mw2q4/files/osfstorage/) [[analysis-code]](https://osf.io/mw2q4/files/osfstorage/) [[reproducible-container]](https://doi.org/10.24433/CO.4128032.v1)  29. Dulitzki, C., Crane, S. M., Hardwicke, T. E., & Ioannidis, J. P. A. (2024). Expanding the Data Ark: An attempt to make the data from highly cited social science papers publicly available. *Royal Society Open Science*, *11*(5), 240016.  [[paper]](https://doi.org/10.1098/rsos.240016) [[preprint]](https://osf.io/preprints/metaarxiv/w9crz/) [[prereg]](https://osf.io/697wx) [[data]](https://osf.io/3kuwq/) [[materials]](https://osf.io/3kuwq/) [[analysis-code]](https://osf.io/3kuwq/) [[reproducible-container]](https://doi.org/10.24433/CO.5136309.v2)  28. Hardwicke, T. E., & Wagenmakers, E.-J. (2023). Reducing bias, increasing transparency, and calibrating confidence with preregistration. *Nature Human Behaviour, 7*, 15-26.  [[paper]](https://rdcu.be/c4h3a) [[preprint]](https://doi.org/10.31222/osf.io/d7bcu)  27. 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]](https://doi.org/10.1098/rsos.230568) [[preprint]](https://doi.org/10.31222/osf.io/md2xz) [[prereg]](https://osf.io/g2fw5) [[data]](https://osf.io/x2dpn) [[materials]](https://osf.io/x2dpn) [[analysis]](https://osf.io/x2dpn)  26. **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]](https://doi.org/10.1080/00031305.2022.2143897) [[preprint]](https://doi.org/10.31222/osf.io/q6ajt) [[prereg]](https://osf.io/cz9g3/) [[data]](https://dx.doi.org/10.17605/OSF.IO/JRX7D) [[materials]](https://dx.doi.org/10.17605/OSF.IO/JRX7D) [[analysis]](https://dx.doi.org/10.17605/OSF.IO/JRX7D) [[reproducible-container]](https://doi.org/10.24433/CO.6131540.v1)  25. **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]](https://dx.doi.org/10.1098/rsos.220139) [[preprint]](https://doi.org/hc7d)[[prereg]](https://osf.io/hjvnw/) [[data]](https://osf.io/8b6jy/) [[materials]](https://osf.io/8b6jy/) [[analysis]](https://osf.io/8b6jy/) [[reproducible-container]](https://doi.org/10.24433/CO.3805142.v2)  24. 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]](https://doi.org/10.1098/rsos.220142) [[preprint]](https://doi.org/hdgv) [[prereg]](https://osf.io/w3bkt/) [[data]](https://osf.io/25ebk/) [[materials]](https://osf.io/5dh47/files) [[analysis]](https://osf.io/25ebk/) [[reproducible-container]](https://doi.org/10.24433/CO.9942414.v1)  23. 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]](http://www.annualreviews.org/eprint/BEG4HHRDH6R6UHSGU3YR/full/10.1146/annurev-psych-020821-114157) [[preprint]](https://doi.org/ftzw) [[prereg]](https://osf.io/vg9zy) [[materials]](https://osf.io/7np92/) [[data]](https://osf.io/7np92/) [[analysis]](https://osf.io/7np92/) [[reproducible-container]](https://doi.org/10.24433/CO.4977248.v1)  **22. 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]](https://doi.org/10.1177%2F1745691620979806) [[preprint]](https://doi.org/10.31222/osf.io/9sz2y) [[prereg]](https://osf.io/q96eh/) [[materials]](https://osf.io/c89sy/) [[data]](https://osf.io/5qmz7/) [[analysis]](https://osf.io/gfjtq/) [[reproducible-container]](https://doi.org/10.24433/CO.1618143.v2)  **21. 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]](https://doi.org/10.1177/25152459211040837) [[preprint]](https://doi.org/ftx5) [[prereg]](https://osf.io/eh5qd/) [[materials]](https://osf.io/w8h2q/) [[data]](https://osf.io/w8h2q/) [[analysis]](https://osf.io/w8h2q/) [[reproducible-container]](https://doi.org/10.24433/CO.4225975.v3)  20. **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]](https://doi.org/fp2m) [[preprint]](https://doi.org/d3mz) [[prereg]](https://osf.io/2cnkq/) [[materials]](https://osf.io/wy6a5/) [[data]](https://osf.io/tfd8z/) [[analysis]](https://osf.io/tfd8z/) [[reproducible-container]](https://doi.org/10.24433/CO.1796004.v3)  **19. 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]](https://dx.doi.org/10.1371%2Fjournal.pone.0239598) [[preprint]](https://doi.org/10.31222/osf.io/z27u4) [[materials]](https://doi.org/10.17605/osf.io/p7g8w) [[data]](https://doi.org/10.17605/osf.io/nscv3) [[analysis]](https://doi.org/10.17605/osf.io/dy6kj) [[reproducible-container]](https://doi.org/10.24433/CO.3883021.v1)  18. **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]](https://doi.org/10.1146/annurev-statistics-031219-041104) [[preprint]](https://doi.org/10.31222/osf.io/krb58)  17. 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]](https://psycnet.apa.org/doi/10.1037/xap0000258) [[preprint]](https://doi.org/10.31234/osf.io/ehybj) [[materials]](https://osf.io/73a9y/) [[data]](https://osf.io/sg6jy/) [[analysis]](https://osf.io/pxv5b/)  **16. 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]](https://dx.doi.org/10.1098/rsos.190806) [[preprint]](https://doi.org/10.31222/osf.io/6uhg5) [[prereg]](https://osf.io/u5bk9/) [[materials]](https://osf.io/z9qtr/) [[data]](https://osf.io/u9fw8/) [[analysis]](https://osf.io/sbrez/) [[reproducible-container]](https://doi.org/10.24433/CO.2749769.v2)  15. **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]](https://doi.org/10.1111/eci.13162) [[preprint]](https://doi.org/10.31222/osf.io/73xm5) [[prereg]](https://osf.io/hbkj3/) [[materials]](https://osf.io/u7nx4/) [[data]](https://osf.io/6a94k/) [[analysis]](https://osf.io/jpztm/) [[reproducible-container]](https://doi.org/10.24433/CO.3912558.v1)  14. 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]](https://doi.org/10.1016/j.tics.2019.07.009) [[preprint]](https://doi.org/10.31234/osf.io/wu3vs)  13. **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]](https://doi.org/10.1177/2515245919858428) [[materials]](https://osf.io/tmah8/files/) [[data]](https://osf.io/nquws/files/) [[analysis]](https://osf.io/4zurk/files/) [[reproducible-container]](https://doi.org/10.24433/CO.8241121.v3)  12. **Hardwicke, T. E.** & Ioannidis, J. P. A. (2018). Mapping the universe of Registered Reports. *Nature Human Behaviour*, *2*, 793–796.  [[paper]](https://rdcu.be/8eBP) [[preprint]](https://dx.doi.org/10.17605/OSF.IO/FZPCY) [[materials]](https://osf.io/uzegq/) [[data]](https://osf.io/rv7eb/) [[analysis]](https://osf.io/uzfjp/) [[reproducible-container]](https://doi.org/10.24433/CO.03fa2564-3910-4982-9882-4f2fcec50385.v3)  11. **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]](https://dx.doi.org/10.1098/rsos.180448) [[preprint]](https://dx.doi.org/10.17605/OSF.IO/39CFB) [[prereg]](https://osf.io/q4qy3/) [[materials]](https://osf.io/k2mdr/) [[data]](https://osf.io/6s8b3/) [[analysis]](https://osf.io/wf3as/) [[reproducible-container]](https://doi.org/10.24433/CO.abd8b483-c5e3-4382-a493-1fc5aecb0f1d.v2)  10. **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]](https://doi.org/10.1371/journal.pone.0201856) [[materials]](https://osf.io/4dum6/) [[data]](https://osf.io/r38qu/) [[analysis]](https://osf.io/7syrt/) [[reproducible-container]](https://doi.org/10.24433/CO.241ffbb1-5b81-44bd-94f4-d066b62c5f7f.v2)  9. **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]](https://doi.org/10.1017/S0140525X18000675) [[preprint]](https://dx.doi.org/10.17605/OSF.IO/N3YAH)  8. 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]](https://doi.org/10.1525/collabra.158) [[materials]](https://osf.io/xf6ug/)  7. 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]](https://dx.doi.org/10.1038/mp.2017.222) [[pdf]](https://tomhardwicke.github.io/files/Cristea_tetris_2017.pdf) [[data]](https://osf.io/nwz9j/) [[analysis]](https://osf.io/p3z58/)  6. **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]](https://dx.doi.org/10.1073/pnas.1608235113)  5. 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]](https://dx.doi.org/10.1371/journal.pbio.1002456) [[prereg]](https://osf.io/3upzh/) [[materials]](https://osf.io/8kt4b/) [[data]](https://osf.io/u6g7t/) [[analysis]](https://osf.io/257kv/)  4. **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]](https://dx.doi.org/10.1073/pnas.1601440113) [[pdf]](https://tomhardwicke.github.io/files/sequenceRecon.pdf) [[materials]](https://osf.io/xyf34/) [[data]](https://osf.io/bm47u/) [[analysis]](https://osf.io/se6gb/)  3. 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]](https://dx.doi.org/10.1037/xge0000157) [[pdf]](https://tomhardwicke.github.io/files/moneyPriming.pdf) [[data]](https://osf.io/4e3gy/)  2. 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]](https://dx.doi.org/10.1016/j.visres.2013.10.017)  1. 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]](https://dx.doi.org/10.1037/a0024916) [[pdf]](https://tomhardwicke.github.io/files/contextGatedSL.pdf) | | |
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| PRESENTATIONS | | |
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| Hardwicke, T. E. (2025). Reducing statistical errors at *Psychological Science*. *Association for Interdisciplinary Research and Meta-Research (AIMOS) and Australian Reproducibility Network (AusRN) webinar.* [invited]  Hardwicke, T. E. (2025). Making transparency the default at *Psychological Science*. *Australasian Cognitive Neuroscience Society Early Career webinar.* [invited]  Hardwicke, T. E. (2025). Prevalence of transparent research practices in psychology. *Metascience 2025, UK.* | | |
| Hardwicke, T. E., Clarke, B., & Vazire, S. (2025). How to write transparent, reproducible, and rigorous research papers. *Berlin University Alliance, Germany.* [invited] | | |
| Hardwicke, T. E. (2024). Putting reproducibility into practice. *Melbourne Centre for Data Science,* *University of Melbourne, Australia*. [invited]  Hardwicke, T. E. (2024). Improving transparency, rigour, and reproducibility: What can journals do? *Quantitative and Applied Ecology Lab,* *University of Melbourne, Australia*. [invited]  Hardwicke, T. E. (2024). Improving psychological science with meta-research. *School of Psychology,* *University of Sydney, Australia*. [invited]  Hardwicke, T. E. (2024). Evaluating journal policy in the wild: Cautious causality with the interrupted time-series analysis. *Association for Psychological Science, USA*. [invited]  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., Nilsonne, 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 | |
| GRANTS AND FUNDING | | |
| **KU Leuven — University of Melbourne Joint PhD Scheme.** Funding for two PhD student scholarships. | 2024 – 2028 | |
| **Melbourne School of Psychological Sciences Academic Fellowship.** University of Melbourne, Australia. AUD$365,000. | 2024 | |
| **Melbourne Data Analytics Platform Faculty Supported Collaboration.** University of Melbourne, Australia. AUD$134,086. | 2024 | |
| **MarieSkłodowska-Curie Individual Fellowship.** European Commission, Europe. AUD$306,000 | 2020 | |
| **Grindley Grant (travel), International Conference on Memory.** Experimental Psychology Society, UK. | 2016 | |
| **Travel Grant, International Conference on Memory.**  University College London, UK. | 2016 | |
| **ESRC Collaborative Placement Funding.** Economic and Social Research Council, UK. | 2015 | |
| **Travel Grant, Human Factors in Science Symposium.**  University College London, UK. | 2014 | |
| **ESRC PhD Studentship.** Economic and Social Research Council, UK. | 2012 | |
| TEACHING | | |
| **Unit coordinator** *Interdisciplinary Research Project*. School of Psychology, University of Sydney. | 2025 | |
| **Lecturer** (“When can we trust psychology research?”) *Honours Advanced Seminar Series*. School of Psychology, University of Sydney. | 2025 | |
| **Ad-hoc Lecturer** (“Evaluating journal policy: Interrupted time series design and reproducibility checks”). *Meta-Research Methods* *(graduate-level),* Berlin Institute of Health QUEST Center, Charité – Universitätsmedizin Berlin, Germany. | 2023 | |
| **Ad-Hoc Lecturer** (“Calibrating the scientific ecosystem through meta-research”)**.** *Good Research Practices (graduate-level),* Department of Psychology, University of Amsterdam. | 2021 | |
| **Ad-Hoc Lecturer** (“Calibrating the scientific ecosystem through meta-research”)**.** *Good Research Practices (graduate-level),* Department of Psychology, University of Amsterdam. | 2020 | |
| **Ad-Hoc Lecturer** (“Reproducible reports with R Markdown”)**.** *Western Psychological Association Convention*. [with Michael Frank] | 2020 | |
| **Ad-Hoc Lecturer** (“Principles of research reproducibility and transparency”)**.** *Essentials of Clinical Research (graduate level)*, Stanford Medicine, Stanford University. | 2018 | |
| **Ad-Hoc Lecturer** (“Creating reproducible research reports using R Markdown”)**.** *SPSP Webinar*. [with Michael Frank] | 2018 | |
| **Ad-Hoc Lecturer** (“How to write a reproducible scientific paper”)**.** *Experimental Methods (graduate-level)*,Department of Psychology,Stanford University. | 2018 | |
| **Ad-Hoc Lecturer** (“Data visualization in R”)**.** *Introduction to R (undergraduate-level)*,Department of Psychology,Stanford University. | 2018 | |
| **Ad-Hoc Lecturer** (“Repeatability, reproducibility, and validation”)**.** *Scientific Method and Bias (undergraduate-level)*,Stanford University. | 2018 | |
| **Ad-Hoc Lecturer** (“On the nature of replication”)**.** *CSLI Summer School (undergraduate-level),*Center for the Study of Language and Information, Stanford University. | 2017 | |
| **Ad-Hoc Lecturer** (“Building a reproducible research workflow”).*Essentials of Clinical Research (graduate-level)*, Stanford Medicine, Stanford University. | 2017 | |
| **Postgraduate Teaching Assistant.** *Research and Quantitative Methods in Psychology (undergraduate-level)*, Department of Experimental Psychology, University College London. | 2014 – 2016 | |
| **Ad-Hoc Lecturer** (“Introduction to open science”). *Social Cognition (graduate-level)*, Department of Experimental Psychology, University College London. | 2016 | |
| **Ad-Hoc Lecturer** (“Introduction to memory & learning”).*Cognitive and Decision Sciences (graduate-level)*, Department of Experimental Psychology, University College London. | 2015 | |
| STUDENT SUPERVISION, MENTORSHIP, AND ASSESSMENT | | |
| PhD students: Sophia Crüwell\* (2023); Maia Salholz-Hillel\* (current); Beth Clarke\* (current). Laura Conlon\* (current). Lora Čuljak\* (current). \*co-supervisor. | | |
| **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). | | |
| PROFESSIONAL SERVICE | | |
| **Senior Editor for Statistics, Transparency, and Rigour.** Psychological Science. | 2024 – present | |
| **Associate Editor.** Royal Society Open Science. | 2023 – present | |
| **Secretary and Board Member.** Association for Interdisciplinary Meta-Research and Open Science (AIMOS). | 2022 – present | |
| **Open Science Catalyst.** Berkeley Initiative for Transparency in the Social Sciences (BITSS). | 2017 – present | |
| **Committee Member.** UK Reproducibility Network (UKRN) International Advisory Committee. | 2023 – 2025 | |
| **Co-organiser.** ReproducibiliTea journal club. University of Melbourne. | 2022 – 2024 | |
| **Lead scientific organiser**. Royal Society Meeting on the *Promises and Pitfalls of Preregistration*. The Royal Society, UK. | 2024 | |
| **Open Science Ambassador**. Center for Open Science. | 2015 – 2023 | |
| **Conference Program Committee Member**. Society for the Improvement of Psychological Science 2020 Annual Conference. | 2020 | |
| **Executive Committee Member.** Society for the Improvement of Psychological Science. | 2018 – 2019 | |
| **Conference Program Committee Chair**. Society for the Improvement of Psychological Science 2019 Annual Conference, The Netherlands. | 2019 | |
| **Scholar in Residence.** Center for Open Science. | 2015 | |
| **Convener**. Is Science Broken? [Public debate]. University College London. | 2015 | |
| **Co-founder.** Postgraduate discussion group CRITUCL. University College London. | 2012 – 2015 | |
| **Opticon1826 Faculty Editor (Brain Sciences).** 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. Prevention Science. Social Psychological Bulletin. Behavioural Brain Research. Nature Communications. PeerJ. Sports Medicine. Psychological Methods. Clinical Psychological Science. 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://tinyurl.com/48vuzpae>), *Science* (2022, <http://tinyurl.com/yu5rn2a7>), *Times Higher Education* (2022, <https://tinyurl.com/y3jt767s>), *Nature News* (2016, <https://tinyurl.com/yc2c63tt>), *APS Observer* (2019, <https://tinyurl.com/mth4batp>), *Discover Magazine* (2016, <https://tinyurl.com/4atjj96c>).  **Media interviews.** *BJKS podcast* (2024), *Science* (2021, <https://tinyurl.com/3eykay94>), *Nature News* (2020, <https://tinyurl.com/yv5apuk9>).  **Government policy documents citing my research**   * The United Nations Development Programme (2024). *Human Development report 2023-2024*. <https://tinyurl.com/k4juthpd> * The UK Academy of Medical Sciences (2021). *Response to the House of Commons Science Technology Committee consultation on reproducibility and research integrity.* <https://tinyurl.com/yr37vjbd> * UK Parliamentary Select Committee (2021). *A Network of Change: Three Priorities Requiring United Action on Research Integrity.* <https://tinyurl.com/46bewhjs> * US Environmental Protection Agency (2021). Strengthening transparency in pivotal science underlying significant regulatory actions and influential scientific information. <https://tinyurl.com/yf9dhnm6> * International Science Council (2021). [Strengthening research integrity: The role and responsibilities of publishing](https://app-overton-io.eu1.proxy.openathens.net/document.php?policy_document_id=councilscience-25984947b65e361c3eef7c357fa690e1)<https://tinyurl.com/prjv6v42> * European Union (2020). *Reproducibility of scientific results in the EU: scoping report.* <https://tinyurl.com/3hfc65w4> * US Office of Planning Research and Evaluation (2019). *Methods for promoting open science in social policy research.* <https://tinyurl.com/msczt334> * German Institute of Labor Economics (2019). *Publication bias and editorial statement on negative findings.* <https://tinyurl.com/2ut2m8b8> * United Nations Conference on Trade and Development (2017). *New innovation approaches to support the implementation of the Sustainable Development Goals.* <https://tinyurl.com/ykra3s57> * The Health Council of the Netherlands (2016). *Research that will improve you*. <https://tinyurl.com/yc3feah2>   **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://tinyurl.com/7uesknwt>). * 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 | | |
| Available on request. | |