Tom E. Hardwicke

Melbourne School of Psychological Sciences
University of Melbourne

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ACADEMIC APPOINTMENTS

Senior Research Fellow.   2024 – present
Melbourne School of Psychological Sciences,
University of Melbourne, Australia.

Research Fellow.   2020 – 2024
Melbourne School of Psychological Sciences,
University of Melbourne, Australia.
Advisor: Prof. Simine Vazire.

Marie Skłodowska-Curie Research Fellow.   2020 – 2022
Department of Psychology,   [2 years]
University of Amsterdam, The Netherlands.
Advisor: Prof. Eric-Jan Wagenmakers.

Visiting Fellow.   2020 – 2021
Berlin Institute of Health QUEST Center,   [1 year]
Charité – Universitätsmedizin Berlin, Germany.

Postdoctoral Scholar.   2019 – 2020
Meta-Research Innovation Center Berlin (METRIC-B),   [1 year]
Berlin Institute of Health QUEST Center,
Charité – Universitätsmedizin Berlin, Germany.
Advisor: Prof. John Ioannidis.

Postdoctoral Fellow.   2017 – 2018
Meta-Research Innovation Center at Stanford (METRICS),   [2 years]
Stanford University, USA.
Advisors: Prof. John Ioannidis, Prof. Steven Goodman, & Prof.
Michael Frank.

EDUCATION

PhD Experimental Psychology. 2012 – 2016
University College London, UK. [4 years]
Advisor: Prof. David Shanks.

MRes Brain Imaging and Cognitive Neuroscience. 2011 – 2012
University of Birmingham, UK. [1 year]

BSc Psychology (First Class Honours). 2007 – 2011
Cardiff University, UK. [4 years]

BOOKS & BOOK CHAPTERS

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. (2024). Open science. In Frank, M. C. & Majid, A. (Eds). *The Open Encyclopedia of Cognitive Science*. MIT Press.
   [open access book chapter]

EDITORIALS

3. **Hardwicke, T. E.**, & Vazire, S. (2024). Transparency is now the default at Psychological Science. *Psychological Science, 35*(7), 703-824.
   [paper]

PEER-REVIEWED JOURNAL ARTICLES

1. Sandoval-Lentisco, A., Tortajada, M., López-Nicolás, R., López-López, J. A., Wagenmakers, E.J., Sánchez-Meca, J., & **Hardwicke, T. E.** (in press). Preregistration of psychology meta-analyses: A cross-sectional study of prevalence and practice. *Advances in Methods and Practices in Psychological Science.*
   [preprint] [preregistration] [materials] [data] [analysis-code]

2. **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. (in press). 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.*

[preprint] [preregistration] [materials] [data] [analysis-code] [reproducible container]

3. **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] [preprint] [preregistration] [data] [materials] [analysis-code] [reproducible container]

4. 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] [preprint] [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]

PRESENTATIONS

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]

AWARDS

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).   2011
Cardiff University, UK.

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

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

GRANTS AND FUNDING

KU Leuven — University of Melbourne Joint PhD Scheme.   2024 — 2028
Funding for two PhD student scholarships.

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

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

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

Grindley Grant (travel), International Conference on Memory.   2016
Experimental Psychology Society, UK.

Travel Grant, International Conference on Memory.   2016
University College London, UK.

ESRC Collaborative Placement Funding.   2015
Economic and Social Research Council, UK.

Travel Grant, Human Factors in Science Symposium.   2014
University College London, UK.

ESRC PhD Studentship.   2012
Economic and Social Research Council, UK.

TEACHING

Ad-hoc Lecturer ("Evaluating journal policy: Interrupted time   2023
series design and reproducibility checks"). *Meta-Research Methods
(graduate-level),* Berlin Institute of Health QUEST Center,
Charité – Universitätsmedizin Berlin, Germany.

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*   2016
Cognition (graduate-level), Department of Experimental
Psychology, University College London.

Ad-Hoc Lecturer ("Introduction to memory & learning").   2015
Cognitive and Decision Sciences (graduate-level), Department of
Experimental Psychology, University College London.

STUDENT SUPERVISION, MENTORSHIP, AND ASSESSMENT

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).

PROFESSIONAL SERVICE

Senior Editor for Statistics, Transparency, and Rigour.   2024 – present
Psychological Science.

Committee Member. UK Reproducibility Network (UKRN)   2023 – present
International Advisory Committee.

Associate Editor. Royal Society Open Science.   2023 – present

Secretary and Board Member. Association for Interdisciplinary   2022 – present
Meta-Research and Open Science (AIMOS).

Co-organiser. ReproducibiliTea journal club. University of   2022 – present
Melbourne.

Affiliate. Meta-Research Innovation Center at Stanford   2019 – present
(METRICS).

Open Science Catalyst. Berkeley Initiative for Transparency in   2017 – present
the Social Sciences (BITSS).

Lead scientific organiser. Royal Society Meeting on the *Promises*   2024
and Pitfalls of Preregistration. The Royal Society, UK.

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. 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).

PUBLIC OUTREACH, MEDIA, AND POLICY

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://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

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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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Available on request.