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| Tom E. Hardwicke |

Postdoctoral Fellow

Meta-Research Innovation Center at Stanford (METRICS)

Stanford University

[tom.hardwicke@stanford.edu](mailto:tom.hardwicke@stanford.edu)| [tomhardwicke.netlify.com](http://tomhardwicke.netlify.com/)

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| Education | |
| 2016 | **PhD Experimental Psychology**  University College London, United Kingdom. |
| 2012 | **MRes Brain Imaging and Cognitive Neuroscience**  The University of Birmingham, United Kingdom. |
| 2011 | **BSc Psychology** (First Class Honours)  Cardiff University, United Kingdom. |

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| Awards | |
| 2013 | **Best Poster Prize** Economic and Social Research Council Annual Meeting. |
| 2011 | **The George Westby Prize** (highest degree grade) Cardiff University. |
| 2011 | **The Stuart Diamond Memorial Prize** (best final year project) Cardiff University. |
| 2011 | **The British Psychological Society Undergraduate Award**  Cardiff University. |
| 2010 | **Best Presentation Award**  British Psychological Society Student Conference. |
| Publications | | |

**Hardwicke, T. E.** & Ioannidis, J. P. A. (in press). [Mapping the universe of Registered Reports](https://dx.doi.org/10.17605/OSF.IO/FZPCY). *Nature Human Behaviour*. [[osf]](https://osf.io/7dpwb/)

**Hardwicke, T. E.** & Ioannidis, J. P. A. (in press). Populating the Data Ark: An Attempt to retrieve, preserve, and liberate data from the most highly-cited psychology and psychiatry articles. *PLOS ONE.* [[osf]](https://osf.io/64qvb/)

**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. (in press). [Data availability, reusability, and analytic reproducibility: Evaluating the impact of a mandatory open data policy at the journal Cognition](https://osf.io/preprints/bitss/39cfb). *Royal Society Open Science*. [[osf]](https://osf.io/wn8fd/)

**Hardwicke, T. E.,** Tessler, M. H., Peloquin, B. N., Frank, M. C. (in press). [A Bayesian decision-making framework for replication](https://psyarxiv.com/n3yah). *Behavioral and Brain Sciences*.

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](http://doi.org/10.1525/collabra.158). *Collabra: Psychology,* *4*, 20. [[osf]](https://osf.io/xf6ug/)

Cristea, I. A., Naudet, F., Shanks, D. R., **Hardwicke, T. E.** (2017). [Post-retrieval Tetris should not be likened to a ‘cognitive vaccine’](http://rdcu.be/xXsi). *Molecular Psychiatry*. 1-2. [[osf]](https://osf.io/2mcra/)

**Hardwicke, T. E.** (2016). Persistence and plasticity in the human memory system: An empirical investigation of the overwriting hypothesis. *PhD Thesis*. [[osf]](https://osf.io/rxtgs/)

**Hardwicke, T. E.** & Shanks, D. R. (2016). [Reply to Walker and Stickgold: Proposed boundary conditions on memory reconsolidation will require empirical verification](http://www.tomhardwicke.co.uk/docs/sequenceReconReply.pdf). *Proceedings of the National Academy of Sciences of the United States of America*, *113*, 1-2. [[osf]](https://osf.io/gpeq4/)

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](http://www.tomhardwicke.co.uk/docs/openBadges.pdf). *PLOS Biology*, *14*, 1-15. [[osf]](https://osf.io/rfgdw/)

**Hardwicke, T. E.**, Mahdi, T., & Shanks, D. R. (2016). [Post-retrieval new learning does not reliably induce human memory updating via reconsolidation](http://www.tomhardwicke.co.uk/docs/sequenceRecon.pdf). *Proceedings of the National Academy of Sciences of the United States of America*, *113*,5206-5211. [[osf]](https://osf.io/gpeq4/)

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)](http://www.tomhardwicke.co.uk/docs/moneyPriming.pdf). *Journal of Experimental Psychology: General*, *145*, 655-663. [[osf]](https://osf.io/4e3gy/)

Baker, R., Dexter, M., **Hardwicke, T. E.**, Goldstone, A., Kourtzi, Z. (2014). [Learning to predict: Exposure to temporal sequences facilitates prediction of future events](http://www.tomhardwicke.co.uk/docs/learningToPredict.pdf). *Vision Research*, *99*, 124-133.

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](http://www.tomhardwicke.co.uk/docs/contextGatedSL.pdf). *Journal of Experimental Psychology: General*, *141*, 150-169.

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| Presentations |

**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 Improving Psychological Science Conference*.[talk]

**Hardwicke, T. E.** (2018). SMART pre-registrations: Developing a citation system to facilitate comparison of protocols and papers. *Society for Improving Psychological Science Conference*.[talk]

**Hardwicke, T. E.** (2018). Fostering the preservation, liberation, and re-use of data in psychological science. *Department of Psychology, U.C. Davis*.[talk]

**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*.[talk]

## **Hardwicke, T. E.** (2017). Open data are not enough: An evaluation of data availability and computational reproducibility at the journal Cognition. Society for Improving Psychological Science Conference.[talk]

## **Hardwicke, T. E.** (2017). Principles of reproducible research. Stanford SPECTRUM Scholars Seminar.[talk]

**Hardwicke, T. E.**, & Shanks, D. R. (2016). Revisiting the misinformation effect: Does reconsolidation overwrite existing memories?*6th International Conference on Memory*.[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*.[talk]

**Hardwicke, T. E.**, & Shanks, D. R. (2015). Does reconsolidation enable human memory updating? *Experimental Psychology Society London Meeting*. [talk]

**Hardwicke, T. E.**, & Shanks, D. R. (2014). Does reconsolidation enable human memory updating? *UCL Faculty of Brain Sciences Symposium*. [poster]

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

**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*. [poster]

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| Grants and funding | |
| 2017-2018 | **Postdoctoral Fellowship** Meta-Research Innovation Center at Stanford (METRICS). |
| 2016 | **Travel Grant, International Conference on Memory** Experimental Psychology Society. |
| 2016 | **Travel Grant, International Conference on Memory**  University College London. |
| 2015 | **ESRC Collaborative Placement Funding** Economic and Social Research Council. |
| 2014 | **Travel Grant, Human Factors in Science Symposium**  University College London. |
| 2012 | **ESRC PhD Studentship** Economic and Social Research Council. |
| 2009 | **Undergraduate Research Opportunities Program**  Cardiff University. |

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| Teaching experience | |
| 2018 | **Ad-Hoc Lecturer** (Repeatability, Reproducibility, and Validation)**.** *Scientific Method and Bias (undergraduate-level)*,Stanford University. |
| 2018 | **Ad-Hoc Lecturer** (Principles of Reproducible Research).*Essentials of Clinical Research (graduate level)*, Stanford Medicine, Stanford University. |
| 2017 | **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. |
| 2014/16 | **Postgraduate Teaching Assistant.** *Research and Quantitative Methods in Psychology (undergraduate-level)*, Department of Experimental Psychology, University College London. |
| 2016 | **Ad-hoc lecturer** (Introduction to Open Science). *Social Cognition (graduate-level)*, Department of Experimental Psychology, University College London. |
| 2015 | **Ad-hoc lecturer** (Introduction to Memory & Learning).*Cognitive and Decision Sciences (graduate-level)*, Department of Experimental Psychology, University College London. |
| Supervision of student projects | |
| 2018 | Athena Braun (undergraduate). |
| 2017 | Emily Huxtable (undergraduate). |
| 2016 | Bethany Manning (undergraduate). |
| 2015 | Gudmundur Haraldsson (post-graduate). |
| 2014 | Mahdi Taqi (post-graduate). |

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| Additional roles and professional service | |
| 2017 - present | **Open Science Catalyst** | Berkeley Initiative for Transparency in the Social Sciences (BITSS). |
| 2015 - present | **Open Science Ambassador** | Center for Open Science**.** |
| 2015 | **Scholar in Residence |** Center for Open Science. |
| 2015 | **Convener** | Is Science Broken? | Public debate | University College London. |
| 2012 - 2015 | **Co-founder of CRITUCL** | Postgraduate discussion group. |
| 2012 - 2015 | **Opticon1826 Faculty Editor (Brain Sciences)** | University College London. |
| 2012 - 2014 | **ESRC Student Representative** | University College London. |
| 2009-2010 | **Research collaborator** | School of Psychology | University of Bristol |
| Ad-hoc | **Peer-Reviewer |** Royal Society Open Science | Research Integrity and Peer Review | Advances in Methods and Practices in Psychological Science| Collabra: Psychology | Journal of Experimental Psychology: Learning Memory & Cognition| Behavioural Brain Research. |

# Open research practices

The following can be found on my Open Science Framework page ([osf.io/i8w73](https://osf.io/i8w73)):

* Open data
* Open materials
* Open analysis scripts
* Pre-registered study protocols

# Programming languages

R, Javascript, HTML.

# Referees

Available on request.