

Tom E. Hardwicke

Postdoctoral Fellow

Meta-Research Innovation Center at Stanford (METRICS)

Stanford University

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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.

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

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*. [osf]

- Hardwicke, T. E.** (2016). Persistence and plasticity in the human memory system: An empirical investigation of the overwriting hypothesis. *PhD Thesis*. [osf]
- 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 of the United States of America*, *113*, 1-2. [osf]
- 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*, 1-15. [osf]
- 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 of the United States of America*, *113*, 5206-5211. [osf]
- 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*, 655-663. [osf]
- 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.
- 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*, 150-169.

Presentations

- 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]

Grants and funding

- 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.

Teaching experience

- 2017 **Ad-Hoc Lecturer** (On the Nature of Replication). *CSLI Summer School*, Center for the Study of Language and Information, Stanford University
- 2017 **Ad-Hoc Lecturer** (Building a Reproducible Research Workflow). *Essentials of Clinical Research*, Stanford Medicine, Stanford University
- 2014/16 **Postgraduate Teaching Assistant**. *Research and Quantitative Methods In Psychology (BSc)*. Department of Experimental Psychology, University College London.
- 2016 **Ad-hoc lecturer** (Introduction to Open Science). *Social Cognition (MSc)*. Department of Experimental Psychology, University College London.
- 2015 **Ad-hoc lecturer** (Introduction to Memory & Learning). *Cognitive and Decision Sciences (MSc)*. Department of Experimental Psychology, University College London.

Supervision of student dissertation projects

- 2017 Emily Huxtable (BSc).
- 2016 Bethany Manning (BSc).
- 2015 Gudmundur Haraldsson (MSc).
- 2014 Mahdi Taqi (MSc).

Additional roles

- 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.
2008 - 2009	Secretary Undergraduate Psychology Society Cardiff University.
Ad-hoc	Reviewer Royal Society Open Science Research Integrity and Peer Review Advances in Methods and Practices in Psychological Science (AMPPS) Collabra: Psychology Journal of Experimental Psychology: Learning Memory & Cognition (JEP:LMC).

Open research practices

Please visit my Open Science Framework page (osf.io/i8w73) for:

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

Programming languages

R, Javascript, HTML.

Referees

Available on request.