

PERSONAL INFORMATION

Dr Reshanne Reeder

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URL for web site: <https://www.reshannereeder.com>

URL for Google Scholar profile: <https://scholar.google.com/citations?user=DfdUB3UAAAAJ>

CURRENT POSITION

2023 – Lecturer in Psychology
University of Liverpool / UK

PREVIOUS POSITIONS

2020 – 2023 Senior Lecturer in Psychology
Edge Hill University / UK

2018 – 2020 Principal Investigator/Postdoc on CBBS ScienceCampus grant: “A multifaceted individual differences approach to investigating nonretinal vision”

Center for Behavioral Brain Sciences and Otto-von-Guericke University / Germany

2018 Principal Investigator/Post Doc on FEM-POWER bridge grant: “Visual hallucinations during low contrast image detection”

Institute of Psychology / Otto-von-Guericke University / Germany

2014 – 2018 Post Doc on ORA/DFG grant “Tracing the Template”

Institute of Psychology / Otto-von-Guericke University / Germany

EDUCATION

2011 – 2014 PhD in Cognitive and Brain Sciences
Center for Mind/Brain Sciences (CIMEC), University of Trento, Rovereto, Italy
Adviser: Marius Peelen

2010 – 2011 MSc in Psychological Research Methods, First-Class Honours
University of Leicester, Leicester, England

2005 – 2009 BA in Psychology, Summa cum Laude
Kent State University, Kent, OH, USA

FELLOWSHIPS AND AWARDS (AWARDED)

- 2024 1. Methodological Innovation and Development Award Scheme (MIDAS), engage@liverpool (£500) / UK
2. Primary supervisor on School of Psychology Summer Research Assistant Scheme (£2,520) / UK
3. Primary supervisor on ESRC NWSSDTP doctoral studentship (~£70,000) / UK
- 2022 4. SIPS-Collabra Registered Report Funding Partnership (\$1,630) / USA
5. Being Human Festival 2022 Small Award (£2,000) / UK
- 2021 6. Edge Hill University Research Internal Funding (£15,570) / UK
- 2019 7. National Eye Institute Postdoctoral Travel Grant (\$765) / USA
- 2018 8. Center for Behavioral Brain Sciences (CBBS) ScienceCampus research grant (€92,000) / Germany
9. FEM-POWER Bridge grant (€17,100) / Germany
10. Christiane Nüsslein-Volhard-Stiftung recipient (€4,800) / Germany
11. DAAD travel award (€2,194) / Germany
12. Equal Opportunities Office (BfG) of the OVGU travel award (€2,000) / Germany
13. Lienert Foundation stipend (€1,500) / Germany
- 2017 14. Christiane Nüsslein-Volhard-Stiftung recipient (€4,800) / Germany
- Prior to 2017, I received various awards totaling ~\$10,000

FELLOWSHIPS AND AWARDS (APPLIED)

- 2025 1. Early career researcher collaborative research grants Stage 1, BACP / UK (£45,000, *under consideration*)
2. ERC Consolidator Grant, Horizon Europe / EU (€2,640,845, *rejected*)

- 2024 3. Future Leaders Fellowship, UKRI / UK (£1,000,000, *not considered*)
 4. AMS Springboard, AMS / UK (£125,000, *not considered*)
- 2023 5. MRC Neuroscience and Mental Health New Investigator Research Grant, UKRI / UK (£818,799.17, *shortlisted, rejected*)
- 2022 6. MRC Neuroscience and Mental Health New Investigator Research Grant, UKRI / UK (£487,719.60, *rejected*)
- 2021 7. BA Wolfson Fellowships 2021, British Academy / UK (£129,914.10, *rejected*)
 8. Royal Society Research Grants 2021 Round 2 / UK (£19,990.00, *rejected*)
 9. BA/Leverhulme Small Research Grants SRG 2021 Round, British Academy / UK (£9,760.80, *rejected*)
- 2020 10. ESRC New Investigator Grant, UKRI / UK (£287,632.80, *rejected*)
 11. ERC Starting Grant, Horizon Europe / EU (€1,500,000, *rejected*)
- 2018 12. DFG Individual Research Grant, DFG / Germany (€245,000, *rejected*)

INVITED TALKS

- 2025 “Thinking in pictures” or “Blind mind’s eye”? The experience of mental imagery extremes in autism, Liverpool Autism Hub, Liverpool, UK
Reconsidering the role of imagery in visual working memory and perception, Invited talk at the Laboratoire d’Etude des Mécanismes Cognitifs, Lyon, France
- 2024 *Reimagine mental health: Aphantasia and the future of therapy*, World Mental Health Day Special Public Lecture, Aphantasia Network
Ganzflicker: Using light-induced hallucinations to predict divergent perceptual experiences, The role of mental imagery and sensory sensitivity in (divergent) perception kick-off symposium, Tilburg University, Netherlands; AFC Lab / CARLA Talk Series; and Mini-Symposium on Synaesthesia, Perception, and Individual Differences, Aalborg University, Denmark
- 2023 *Ganzflicker: Past, present, and future of light-induced psychedelic experience*, University of Sussex, UK
- 2022 *Registered Reports: The gold standard of open research is also the most challenging to do right*, Open Research Week 2022 (ORW2022), UK
Ganzflicker: Past, present, and future of light-induced psychedelic experience, UCLan, UK; and Vision@UCL, UK
A novel model on divergent perception in imagery extremes, ECVF Symposium, Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Netherlands
The diversity of human imagination, Didsbury SciBar, UK
- 2021 *Ganzflicker: A window into the mind’s eye*, Cognition Research Group in Stirling (CoRGiS), UK; Kirby SciBar, UK

ORGANIZATION OF SCIENTIFIC MEETINGS, SYMPOSIA, AND WORKSHOPS

- 2025 Co-organizer of the Career Development session of SAFE Labs Workshop 2025 / Spain
- 2024 Organizer of the MNE Liverpool Workshop (12 participants) / UK
- 2022 Symposium co-chair, European Conference on Visual Perception (ECVP) / Netherlands
- 2019 Co-organizer and symposium chair, MCB Brain Plast II Conference / Germany
- 2014 – 2016 Co-organizer of annual ORA grant meetings (~20 participants) / Germany, UK, Netherlands

EDITORIAL AND REVIEWING ACTIVITIES

- 2022 – Grant reviewer for UKRI (UK), Wellcome Trust (UK), ANR (France), FNRS (Belgium), National Science Center (Poland)
- 2023 – 2025 Recommender (Action Editor), *PCI-RR*
- 2021 – 2024 Editorial Board Member, Psychology, *Scientific Reports*
- 2014 – Ad-hoc reviewer for Nature Communications, Nature Human Behaviour, *PCI-RR*, Consciousness and Cognition, European Journal of Neuroscience, Journal of Cognitive Neuroscience, Neuropsychologia, NeuroImage, Journal of Vision, Frontiers in Psychology, Visual Cognition, Acta Psychologica, JEP:General, JEP:HPP, JEP:LMC, Psychological Science, Brain Sciences, BMC Neuroscience, Cortex, PLOS One

RESEARCH SUPERVISION

- 2024 – Primary supervisor: Wesley Nixon, ESRC NWSSDTP doctoral student (current)
- 2024 – Primary supervisor: Emma Austin, Doctoral Academic Teacher (DAT) PhD student (current)
- 2024 – External PhD supervision: Katerina Christodoulou, Tilburg University (current); James Thurbon, Macquarie University (current)
- 2023 – Primary supervisor: DClinPsy students: Alice Payne, Nicole McGowan, Erlina Rees (current)
- 2023 – 2024 Wesley Nixon, MSc Research Methods. Current PhD student with Reshanne Reeder (primary supervisor) and Chris Taylor (co-supervisor)
- 2021 – 2022 Primary supervisor: Dr Bridget Mawtus, Post Doc
- 2020 – 2022 Varg Königsmark, M.Res.-equivalent, Distinction. Current PhD student with Elena Azañón
- 2020 – 2023 Johannes Salge, M.Res.-equivalent, Distinction
- 2018 – 2019 Marcel Wurth, M.Res.-equivalent, Distinction
- 2017 – 2018 Lasse Güldener, M.Res.-equivalent, Distinction. Achieved PhD with Stefan Pollmann

CONTINUING PROFESSIONAL DEVELOPMENT

- 2025 PhD Supervision Masterclass, Tilburg University, Netherlands
UCL Starting Aware Fair & Equitable (SAFE) Labs Workshop for new group leaders (www.safelabs.io), Pineda de Mar, Spain

OUTREACH INITIATIVES

- 2024 Co-organizer of ORW2024 keynote session: *Is open science really open for everyone?* University of Liverpool, LJMU, EHU, University of Essex, UK
- 2022 Co-organizer of museum exhibition at Being Human Festival 2022, *The art and science of light flicker in psychedelic experience*, The Atkinson, Southport, UK
Co-organizer and speaker at STEM Aspire event, Edge Hill University, UK
Co-organizer of prize training seminar and speaker at IDEBATE, Van Lang University, Vietnam
Co-organizer of *Superbrains!* Kids' Neuroscience Workshop, Edge Hill University, UK

MEMBERSHIPS OF ACADEMIC AND SCIENTIFIC SOCIETIES

- 2022 – Member, Society for the Improvement of Psychological Science (SIPS)
- 2022 – Fellow of the Higher Education Academy (FHEA)
- 2019 Member, American Psychological Association
- 2013 – 2022 Member, Vision Sciences Society

CAREER BREAKS

- 2016 – 2021 Maternity and parental leave of two children and homeschooling during COVID lockdowns, totaling three years

KEY PUBLICATIONS

Theory-building

Reeder, R. R., Sala, G., & van Leeuwen, T. M. (2024). A novel model of divergent predictive perception. *Neuroscience of Consciousness*, 24(1). <https://doi.org/10.1093/nc/niae006>

Reeder, R. R. (2016). Individual differences shape the content of visual representations. *Vision Research*. <https://doi.org/10.1016/j.visres.2016.08.008>

Imagery extremes

Azañón, E., Pounder, Z., Figueroa, A., & **Reeder, R. R.** (2025). Individual variability in mental imagery vividness does not predict perceptual interference with imagery: A replication study of Cui et al. (2007). *Journal of Experimental Psychology: General*. <https://psycnet.apa.org/doi/10.1037/xge0001756>

Reeder, R. R., Pounder, Z., Figueroa, A., Jüllig, A., & Azañón, E. (2024). Non-visual spatial strategies are effective for maintaining precise information in visual working memory. *Cognition*, 251, 105907. <https://doi.org/10.1016/j.cognition.2024.105907>

Divergent perception

Reeder, R. R. (2022). Ganzflicker reveals the complex relationship between visual mental imagery and pseudo-hallucinatory experiences: A replication and expansion. *Collabra: Psychology*.

<https://doi.org/10.1525/collabra.36318>

Königsmark, V. T., Bergmann, J., & **Reeder, R. R.** (2021). The Ganzflicker experience: High probability of seeing vivid and complex pseudo-hallucinations with imagery but not aphantasia. *Cortex*.

<https://doi.org/10.1016/j.cortex.2021.05.007>

Salge, J. H., Pollmann, S., & **Reeder, R. R.** (2020). Anomalous visual experience is linked to perceptual uncertainty and visual imagery vividness. *Psychological Research*. <https://doi.org/10.1007/s00426-020-01364-7>

Mental health

Mawtus, B., Renwick, F., Thomas, B. R., & **Reeder, R. R.** (2024). The impact of aphantasia on mental healthcare experiences. *Collabra: Psychology*, 10(1). <https://doi.org/10.1525/collabra.127416>

Neuroimaging

Reeder, R. R., Olivers, C. N. L., Hanke, M., Pollmann, S. (2018). No evidence for enhanced distractor template representation in early visual cortex. *Cortex*. <https://doi.org/10.1016/j.cortex.2018.08.005>

Reeder, R. R., Hanke, M., & Pollmann, S. (2017). Task relevance modulates the representation of feature conjunctions in the target template. *Scientific Reports*, 7. <https://doi.org/10.1038/s41598-017-04123-8>

Reeder, R. R., Olivers, C. N. L., & Pollmann, S. (2017). Cortical evidence for negative search templates. *Visual Cognition*. <https://doi.org/10.1080/13506285.2017.1339755>

Neurostimulation

Reeder, R. R., Perini, F., & Peelen, M.V. (2016). Preparatory attentional templates in posterior temporal cortex causally contribute to object detection in scenes. *Journal of Cognitive Neuroscience*, 27(11), 2117-2125. https://doi.org/10.1162/jocn_a_00845