

# Emma James

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## Education

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- 2015 – 2019     **PhD in Psychology**, University of York  
*Understanding individual differences in learning and consolidating new vocabulary.* Supervisors: Dr Lisa Henderson, Prof. Gareth Gaskell
- 2014 – 2015     **MSc Developmental Cognitive Neuroscience**, University of York
- 2010 – 2013     **BA (Hons) Experimental Psychology**, University of Oxford

## Research Positions

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- 2019 Oct +     **Research Fellow**, Department of Psychology, University of York  
Mentor: Prof. Asifa Majid
- 2019 Feb–Sept     **Research Associate**, Department of Psychology, University of York  
Principle Investigator: Dr Aidan Horner
- 2017 Oct-Dec     **Visiting Scholar**, Haskins Laboratories, USA  
Host: Prof. Kenneth Pugh
- 2013 – 2014     **Research Associate**, Department of Psychology, Lancaster University  
Principle Investigators: Prof. Kate Cain, Prof. Xiuli Tong

## Awards and Prizes

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- 2020     **9<sup>th</sup> Frith Prize Lecturer**, Experimental Psychology Society (£500)  
Sole recipient of early career award recognising exceptional PhD work.
- 2018     **Pre-Registration Challenge Prize**, Center for Open Science (\$1000)  
Awarded for successful pre-registration of methods in published research.
- 2017     **Poster Prize**, British Psychological Society Developmental Section  
Second place prize awarded for conference poster presentation.
- 2015     **MSc Project Prize**, University of York  
Awarded for the best empirical project in Developmental Cognitive Neuroscience.

## Grants and Fellowships

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### –Major Grants

- 2020 – 2022     **ESRC Secondary Data Analysis Initiative** (£293,401; Nation, K., James, E., Thompson, P., & Bowes, L.; University of Oxford) *Taking the long view: understanding the precursors and consequences of poor reading comprehension identified in mid-childhood.*
- 2019 – 2020     **ESRC Postdoctoral Fellowship** (£123,568) *Studies great and small: convergent approaches to understanding language learning.*
- 2014 – 2018     **ESRC 1+3 Research Studentship** (£78,190) *Understanding individual differences in learning and consolidating new vocabulary.*

## –Small Grants

- **Experimental Psychology Society Workshop Grant** (2018): *Mapping the future for poor comprehender research: taking stock and moving forward*. Co-Applicant with J. Ricketts (Royal Holloway), D. Colenbrander (University of Bristol), L. Henderson (University of York), & H. Joseph (University of Reading).
- **ESRC Researcher Training Support Grant Top-Ups** (2016, 2018) to support summer school attendance.
- **Experimental Psychology Society Grindley Grants** (2017, 2018, 2019, 2020) for conference attendance.
- **ESRC Overseas Institutional Visit Grant** (2017) to visit Haskins Laboratories.
- **Guarantors of Brain Travel Award** (2017) to support conference attendance.

## Publications

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- James, E.,** Ong, G., Henderson, L.M., & Horner, A.J. (under review). Make or break it: Boundary conditions for integrating multiple elements in episodic memory. *Pre-print at psyarxiv.com/pd9us*.
- James, E.,** Koutraki, Y.G., & Tickle, H. (2020). Sleep-associated consolidation in app-based language learning. *Proceedings of the 42<sup>nd</sup> Annual Conference of the Cognitive Science Society*, 1178-1184.
- James, E.,** Currie, N., Tong, X., & Cain, K. (2020). The relations between morphological awareness and reading comprehension in beginner readers through to young adolescents. *Journal of Research in Reading*.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2020). Sleep-dependent consolidation in children with comprehension and vocabulary weaknesses: It'll be alright on the night? *Journal of Child Psychology & Psychiatry*.
- James, E.,** Joechner, A-K., & Muehlroth, B.E. (2020). From ZZZs to AAAs: Why sleep is an important part of your study schedule. *Frontiers Young Minds*, 8, 51.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2019). Offline consolidation supersedes prior knowledge benefits in children's (but not adults') word learning. *Developmental Science*, e12776.
- Henderson, L.M., & **James, E.** (2018). Consolidating new words from repetitive versus multiple stories: Prior knowledge matters. *Journal of Experimental Child Psychology*, 166, 465-484.
- James, E.,** Gaskell, M.G., Weighall, A., & Henderson, L.M. (2017). Consolidation of vocabulary during sleep: the rich get richer? *Neuroscience & Biobehavioral Reviews*, 77, 1-13.
- James, E.,** & Cairney, S.A. (2017). Commentary: Knowledge Acquisition during Exam Preparation Improves Memory and Modulates Memory Formation. *Frontiers in Behavioral Neuroscience*, 10, 245.

## Invited talks

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- James, E.** (2020, July). *A (half) marathon, not a sprint: Preparing to conduct multi-session memory studies online*. Talk at the 2020 BeOnline meeting, hosted online.
- James, E.** (2020, June). *Open research means open conversation*. Talk at the University of York Open Research Launch Event, hosted online.

## Conference Presentations (peer-reviewed, presenting author only)

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- James, E.,** Koutraki, Y.G., & Tickle, H. (2020, July). *Sleep-associated consolidation in app-based language learning*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the Cognitive Science Society, virtual meeting.

## Conference Presentations continued

- James, E.,** Gaskell, M.G., & Henderson, L.M. (2020, July). *The role of prior knowledge in sleep-associated consolidation of new vocabulary: insights from good and poor comprehenders*. Poster accepted for the 15<sup>th</sup> International Congress of the Association for the Study of Child Language, Philadelphia, USA (meeting cancelled due to COVID-19).
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2020, April). *Accessing prior linguistic knowledge when learning new words from spoken stories*. Poster accepted for the Experimental Psychology Society Meeting, Beijing, China (meeting cancelled due to COVID-19).
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2019, July). *Consolidation of new vocabulary in good and poor comprehenders*. Poster presented at the Experimental Psychology Society Meeting, Bournemouth, UK.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2018, August). *Word learning and consolidation in poor comprehenders*. Paper presented at the 8<sup>th</sup> International Summer School on Literacy Research, Egmond aan Zee, The Netherlands.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2018, June). *The role of prior knowledge in vocabulary consolidation*. Paper presented at Child Language Symposium, Reading, UK.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2017, November). *Prior knowledge influences in learning and consolidating new words*. Poster presented at the Society for Ninth Annual Meeting of the Society for the Neurobiology of Language, Baltimore, USA.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2017, September). *The rich get richer? The role of existing knowledge in learning new words*. Paper presented at BPS Developmental Section Annual Conference, Stratford-Upon-Avon, UK.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2017, September). *How can a chicken sleep upside down? The influence of prior knowledge in learning novel concepts*. Poster presented at BPS Developmental Section Annual Conference, Stratford-Upon-Avon, UK.
- James, E.,** Gaskell, M.G., & Henderson, L.M. (2017, July). *Matthew effects in word learning: does prior knowledge aid consolidation?* Paper presented at the Experimental Psychology Society Meeting, Reading, UK.
- Cain, K., **James, E.,** & Currie, N. (2016, September). *The role of morphological awareness in young adolescents' reading: a comparison of relations with word reading and reading comprehension*. Paper presented at the BPS Developmental Section Annual Conference, Belfast, UK.
- James, E.,** Henderson, L.M., Gaskell, M.G. (2016, July). *Consolidating new semantic information during word learning: does prior knowledge help?* Poster presented at the 6<sup>th</sup> International Conference on Memory, Budapest, Hungary.
- James, E.,** & Cain, K. (2014, September). *Morphological awareness in poor comprehenders: clues to the source of the difficulties*. Paper presented at the 31<sup>st</sup> BPS Cognitive Psychology Section Conference, Nottingham, UK.
- James, E.,** & Cain, K. (2014, July). *Morphological awareness in poor comprehenders: clues to the source of their difficulties*. Paper presented at the 5<sup>th</sup> UK Cognitive Linguistics Conference, Lancaster, UK.
- Katuszka, V., & **James, E.** (2012, November). *Is there another 'P' to consider in relation to longitudinal birth cohort studies? Reflections on participant involvement in Children of the 90s*. Paper presented at the National Institute for Health Research INVOLVE Conference, Nottingham, UK.

## Teaching

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### –Employment

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| 2018        | <b>Statistics Workshop Presenter</b> , Maths Skills Centre, University of York<br>Taught introductory statistics workshops for postgraduate students across disciplines |
| 2017 – 2018 | <b>Statistics Tutor</b> , Maths Skills Centre, University of York<br>Held drop-in advice sessions for undergraduate and taught postgraduate students                    |
| 2016 – 2018 | <b>Academic Skills Workshop Presenter</b> , Learning Enhancement, University of York<br>Taught academic skills workshops to pre-university students                     |
| 2015 – 2018 | <b>Graduate Teaching Assistant</b> , Department of Psychology, University of York<br>Including Advanced Research Methods support; Development & Language tutorials      |

### –Coding support

- **Certified Instructor, The Carpentries.** Trained to teach programming workshops via live coding, with expertise in R.
- **Lead Instructor, Introduction to R and Mixed Effects Models.** Two-day workshop organised for York St. John University Psychology Department (July 2020).

### –Supervision

- 2020: Co-supervised 2 MSc Project Students with L. Henderson.
- 2018: Co-supervised 3 MSc Project Students with G. Gaskell.
- 2017: Co-supervised 2 MSc Project Students with L. Henderson.
- 2016: Co-supervised 2 MSc Project Students with L. Henderson.

## Service

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| 2019 – 2020 | <b>ReproducibiliTea Co-Organiser</b> , Department of Psychology, University of York<br>Established and co-organise a fortnightly journal club to discuss issues of open research.   |
| 2015 – 2020 | <b>ECR Forum Committee Member</b> , Department of Psychology, University of York<br>Organise academic training and social events for ECRs.  |
| 2018        | <b>Workshop Organiser</b> , Experimental Psychology Society sponsored workshop<br>Co-organised and hosted workshop on poor comprehender research, attended by international academics and practitioners.  |
| 2015 – 2018 | <b>Sixth Form Conference Organiser</b> , Department of Psychology, University of York<br>Established an annual conference day for pre-university students to experience psychology research; organised for four years before securing its continuation. |
| 2015 – 2018 | <b>Developmental Group Co-Organiser</b> , Department of Psychology, University of York<br>Organised monthly seminars for researchers in developmental psychology.   |

## Outreach and Engagement

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| 2013 – Present | <b>STEM Ambassador</b> , STEMnet<br>Science outreach ambassador for schools.  |
| 2020           | <b>I'm a Scientist – Stay at Home edition</b><br>Engaged in live web chats with school students; received a <i>Scientist of the Week</i> award.         |
| 2019           | <b>Featured Expert (sleep and learning)</b> , TV documentary by Boundless Productions<br>Popular science programme on intelligence; broadcast date tbc. |

## Outreach and Engagement continued

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2019, 2018	<b>Sleep Workshop</b> , York International-State School Partnership Summer School Organised half-day workshop on sleep and memory for 11- to 13-year-olds.
2018	<b>Pint of Science Speaker</b> Public talk: <i>From zzzs to AAAs: the importance of sleep in childhood learning</i>
2016	<b>Pint of Science Organiser</b> Co-organised three nights of public science talks.
2012	<b>British Science Festival Volunteer</b> , British Science Association Co-organised a daily highlights show during the festival.
2011	<b>Publishing Intern</b> , Wellcome Trust Wrote blog posts and featured articles for Wellcome Trust publications.