

# Samuel H. Forbes

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## EMPLOYMENT

- 2024 -**      **Associate Professor in Developmental Science**, Department of Psychology, Durham University
- 2021 -**      **Assistant Professor in Developmental Science**, Department of Psychology, Durham University
- 2018 - 21**    **Senior Research Associate**, School of Psychology, University of East Anglia  
**Supervisor:** Prof. John P. Spencer  
**Project:** Probing the neural basis of visual working memory in development (NIH).

## EDUCATION

- 2014 - 18**    **DPhil**, Experimental Psychology - University of Oxford, United Kingdom  
**Advisors:** Prof. Kim Plunkett & Dr E. Matthew Husband  
**Dissertation:** Colour word and colour category learning in infants and toddlers  
**Funding:** Rhodes Scholarship
- 2011 - 13**    **MA (Research and Coursework)**, Linguistics and Applied Linguistics, - Nanjing Normal University, PR China  
**Advisor:** Assoc. Prof. Liang DanDan  
**Dissertation:** A Comparative Study of the Use of the Perfective Aspect Under Narrative Conditions of English and Mandarin Children  
**Funding:** Chinese Scholarship Council
- 2010 - 11**    **Cert Lang**, Mandarin Chinese, - Nanjing Normal University, PR China
- 2009**        **Grad Cert**, Asian Studies, - University of Tasmania, Australia
- 2006 - 08**    **BA**, Japanese and Mandarin, - University of Tasmania, Australia

## FUNDING AND AWARDS

- 2025**        **ManyBabies5 Research award** Princeton University \$2500 USD.
- 2023-25**    **British Academy / Leverhulme Small Research Grant**, Tiredness in Infancy and Relationships to Effective Distribution of attention (TIRED) £9,328.35 (PI)
- 2023-24**    **Durham University Seedcorn Grant**, Curiosity and the Home environment in Infant Language Development. £11824.44
- 2023**        **Software Sustainability Institute Fellowship**, value £3000

2020	<b>Award for Special Merit in Research</b> , University of East Anglia
2019	<b>Flux Society Travel Award</b> \$1000 USD for conference travel
2019	<b>LCICD Fee Waiver</b> valued at approximately £250
2017	<b>Brasenose College Hulme Completion Grant</b> funding associated with thesis completion.
2017	<b>Brasenose College Grant</b> funding for conference attendance £448
2016	<b>Brasenose College Grant</b> funding for conference attendance £450
2016 - 18	<b>Brasenose College Senior Hulme Scholarship</b> for outstanding DPhil performance
2015	<b>Brasenose College Grant</b> funding for conference attendance £436
2014 - 18	<b>Rhodes Scholarship</b> Tasmania & Brasenose 2014
2010 - 13	<b>Chinese Scholarship Council Award</b> for 4 years' study in PRC
2007 - 08	<b>Japan Student Services Organization Award</b> for 1 year exchange in Japan

## PEER-REVIEWED PUBLICATIONS

2025	Stutte, K., Gosse, L.K., ... <b>Forbes, S.H.</b> , ... & Zainodini, H. (2025). The fNIRS Glossary Project: A Consensus-based Resource for Functional Near-Infrared Spectroscopy Terminology. <i>Neurophototonics</i> .
2025	Floccia, C., Abdelwahab, A., <b>Forbes, S.H.</b> , Alsiddiqi, Z., Al-Shdifat, K., McKean, C., Odeh, T., Trebacz, A. & Khattab, G. (2025). Adaptation and Standardisation of two Arabic Communicative Development Inventories for Children Aged 8 to 30 Months and 30 to 48 Months in Egypt, Jordan and Palestine. <i>Journal of Language, Speech and Hearing Research</i> .
2025	<b>Forbes, S.H.</b> & Guest, O. (2025). To improve literacy, improve equality in education, not large language models. <i>Cognitive Science</i> .
2025	Lucca, K., Byers-Heinlein, K., ... <b>Forbes, S.H.</b> , ... & Hamlin K. (2025). Infants Social Evaluation of Helpers and Hinderers: A Large-Scale, Multi-Lab, Coordinated Replication Study (Stage 2 Registered Report). <i>Developmental Science</i> , 28 (1).
2024	Guest, O., & <b>Forbes, S.H.</b> Teaching coding inclusively: If this, then what? <i>Tijdschrift voor Genderstudies</i> . 27 (2/3). 196–217.
2024	Nguyen, T., Konu, D., & <b>Forbes, S.H.</b> (2024). Investigating solitude as a tool for downregulation of daily arousal using Ecological Momentary Assessments (Stage 2 Registered Report). <i>Journal of Personality</i> .
2024	<b>Forbes, S.H.</b> , Aneja, P., & Guest, O. (2024). The myth of normative development <i>Infant and Child Development</i> . 33(1). e2393.
2023	Wijeakumar, S., <b>Forbes, S.H.</b> , Magnotta, V., Deoni, S., Jackson, K., Singh, V.P., Tiwari, M., Kumar, A., & Spencer, J.P. (2023). Stunting in infancy is associated with atypical activation of working memory and attention networks. <i>Nature Human Behavior</i> , 7, 2219-2211.
2023	Fibla, L., <b>Forbes, S.H.</b> , McCarthy, J., Mee, K., Magnotta, V., Deoni, S., Cameron, D., & Spencer, J.P. (2023). Language exposure and brain myelination in early development. <i>Journal of Neuroscience</i> , 43 (23). 4279-4290.
2023	<b>Forbes, S.H.</b> , & Plunkett K. (2023). Colour perception changes with basic colour word comprehension. <i>Developmental Science</i> , 26 (6). e13406.

- 2023** Spencer, J.P., **Forbes, S.H.**, Naylor, S., Singh, V.P., Jackson, K., Deoni, S., Tiwari, M., & Kumar, A. (2023). Poor air quality is associated with impaired visual cognition in the first two years of life. *eLife*. 12, e83876.
- 2023** Bakopoulou, M., Lorenz, M., **Forbes, S.H.**, Tremlin, R., Bates, J., & Samuelson, L. (2023). Vocabulary and automatic attention: The relation between novel words and gaze dynamics in noun generalization. *Developmental Science* 26, (6). e13399
- 2022** Visser, I., Bergmann, C., Byers-Heinlein, K., Dal Ben, R., Duch, W., **Forbes, S.H.**, ... et al. (2022). Improving the generalizability of infant psychological research: The ManyBabies model. *Behavioural and Brain Sciences*. 45, e35.
- 2021** Defenderfer, J., **Forbes, S.H.**, Wijekumar, S., Hedrick, M., Plyler, P., & Buss, A. (2021). Frontotemporal activation differs between perception of simulated cochlear implant speech and speech in background noise: An image-based fNIRS study. *Neuroimage*. 240, 118385.
- 2021** **Forbes, S.H.**, Wijekumar, S., Eggebrecht, A., Magnotta, V., & Spencer, J.P. (2021). Processing pipeline for image reconstructed fNIRS analysis using both MRI templates and individual anatomy. *Neurophotonics*. 8(2), 025010.
- 2021** **Forbes, S.H.** & Plunkett, K. (2021). The development of contour processing abilities in the second year. *Developmental Psychology*. 57(5), 639-650.
- 2021** Abdelwahab, A.G., **Forbes, S.H.**, Cattani, A., Goslin, J., & Floccia, C. (2021). An adaptation of the MacArthur-Bates CDI in 17 Arabic dialects for children aged 8 to 30 months. *Language Learning and Development*. 17(4), 425-446.
- 2020** **Forbes, S.H.** (2020). PupillometryR: An R package for preparing and analysing pupillometry data. *Journal of Open Source Software*. 5(50), 2285.
- 2020** Delgado Reyes, L., Wijekumar, S., Magnotta, V.A., **Forbes, S.H.**, & Spencer J.P. (2020). The functional brain networks that underlie visual working memory in the first two years of life. *NeuroImage*. 219, 116971.
- 2020** **Forbes, S.H.**, & Plunkett, K. (2020). Linguistic and cultural variation in early color word learning. *Child Development*. 91(1), 28-42.
- 2019** **Forbes, S.H.**, & Plunkett, K. (2019). The role of colour labels in mediating infant visual attention. *Cognition*. 186, 159-170.
- 2019** **Forbes, S.H.**, & Plunkett, K. (2019). Infants show early comprehension of basic colour words. *Developmental Psychology*. 55(2), 240-249.
- 2017** **Forbes, S.H.**, & Plunkett, K. (2017). Early colour word learning in British infants. *Proceedings CogSci*, 367-372.
- 2015** Liang D.D., Song, Y.Q., **Forbes, S.H.** (2015). A contrastive study of the perfective aspect use in English and Chinese children's narratives. *Foreign Language Teaching and Research* 7(1), 81-93.

## PUBLICATIONS UNDER REVIEW

- Under Review** **Forbes, S.H.**, Aneja, P., & Rodriguez Saveedra, A. Going WILD keeps developmental theories in context. *Brain and Behavioral Sciences*.
- Under Review** Johns, E., **Forbes, S.H.**, Delgado Reyes, L., & Spencer, J.P. Tracking the trajectory of executive function from 2.5 to 6.5 years of age and the impact of COVID-19. *Child Development*.

<b>Under Review</b>	Clucas, L.J., & <b>Forbes, S.H.</b> A specific scaffolding role for gesture in early word learning. <i>Child Development Perspectives</i> .
<b>Under Review</b>	Clucas, L.J., & <b>Forbes, S.H.</b> Pointing it out: Gesture has specific effects on vocabulary acquisition. <i>Infancy</i> .
<b>Under Review</b>	Clucas, L.J., & <b>Forbes, S.H.</b> I saw the sign: Symbolic gesture is associated with higher infant vocabulary. <i>Journal of Child Language</i> .
<b>Under Review</b>	Visser, I., Geambasu, A., ... <b>Forbes S.H.</b> , ... Levelt, C.C. ManyBabies 3: A multi-lab study of infant algebraic rule learning Stage 2 Registered Report under review at <i>Developmental Science</i> .
<b>Under Review</b>	Schuwerk, T., Kamps, D., ... <b>Forbes S.H.</b> , ... Rakoczy, H. Action anticipation based on an agent's epistemic state in toddlers and adults. Stage 2 Registered Report under review at <i>Child Development</i> .
<b>Under Review</b>	Kosie, J. E., Zettersten, M., Abu-Zhaya, R., Amso, D., ... <b>Forbes, S.H.</b> , ... & Lew-Williams, C. ManyBabies 5: A large-scale investigation of the proposed shift from familiarity preference to novelty preference in infant looking time. Stage 1 Registered Report accepted at <i>Nature Human Behavior</i> . Preprint: <a href="https://doi.org/10.31234/osf.io/ck3vd">https://doi.org/10.31234/osf.io/ck3vd</a>

## OTHER PUBLICATIONS AND MEDIA ENGAGEMENT

<b>2024</b>	'Why there's no such thing as normal in child development' by Samuel H Forbes and Perna Aneja. <i>The Conversation</i> . <a href="#">Link</a> .
<b>2021</b>	Why Cinema is more exciting, with Showcase Cinemas and Keith Lemon. <a href="https://www.youtube.com/watch?v=Qv8zlPuv2Hw&amp;ab_channel=IkonLondonMagazine">https://www.youtube.com/watch?v=Qv8zlPuv2Hw&amp;ab_channel=IkonLondonMagazine</a>

## OPEN SOURCE SOFTWARE CONTRIBUTIONS

<b>2021</b>	<b>Forbes, S.H.</b> Dink, J., & Ferguson, B. eyetrackingR <a href="http://www.eyetracking-r.com">http://www.eyetracking-r.com</a>
<b>2020</b>	<b>Forbes, S.H.</b> digitizeR <a href="https://github.com/samhforbes/digitizeR">https://github.com/samhforbes/digitizeR</a>
<b>2019</b>	<b>Forbes, S.H.</b> PupillometryR: An R package for preparing and analysing pupillometry data. <a href="https://github.com/samhforbes/PupillometryR">https://github.com/samhforbes/PupillometryR</a>
<b>2019</b>	<b>Forbes, S.H.</b> DDLab: Common eyetracking functions needed in the Developmental Dynamics Lab. <a href="https://github.com/samhforbes/DDLab">https://github.com/samhforbes/DDLab</a>

## SUPERVISION

### PhD Students

<b>2023 -</b>	<b>Lauryn Clucas</b> — Gesture and language development in infancy.
<b>2023 -</b>	<b>Giulia D'Avino</b> — Infant attention and tiredness.
<b>2023 -</b>	<b>Nina Jost</b> — Early numerical cognition and number words.
<b>2024 -</b>	<b>Oscar Sill</b> — Infant perceptual and motor development. (Co-supervisor)
<b>2024 -</b>	<b>Shuai Shao</b> — Private speech and self regulation in infants

### MSc Projects

- 2025 - 26 **Nina Coetzer** — Infant tiredness and sleep  
**Kalypso Panagiotou** — Individual differences in infant cognition  
**Lottie Randall** — Early markers of infant colour cognition
- 2024 - 25 **Jia Jia** — Infant tiredness and working memory  
**Sanjana Dharmaraju** — Infant colour recognition
- 2023 - 24 **Charley Spence** — Nursery education and executive functioning  
**Chloe Lam** — Infant visual working memory and attention  
**Blain Wallace** — Tiredness and word learning in toddlers.
- 2022 - 23 **Dorothy Angdinata** — Links between infant sleep, maternal sleep, and maternal mental health  
**Zahra Mollaie** — Influence of language input and gesture input of caregivers on language output
- 2021 - 22 **Lauryn Clucas** — The role of gesture in early language  
**Jo Yee Goh** — The development of grammatical categories in infancy
- 2020 - 21 **Tyler Wallace** — The origins of early executive attention

### Undergraduate Dissertation / Projects

- 2018 - Over 30 undergraduate dissertations supervised since 2018. Projects all on infancy, but range from questionnaire data, video coding, secondary data, in-person eyetracking, and neuroimaging.

## TEACHING

- 2021 - **Department of Psychology, Durham University**  
**Current Issues in Developmental Psychology and Psychopathology**  
- Course coordinator  
- Lectures to MSc students on early adversity, cognition and development of sleep  
**Language, Literacy and Numeracy in the Developing Brain**  
- Course coordinator  
- Designed and taught new module alongside Dr Anna Matejko  
**Introduction to Psychology — Developmental and Social Psychology**  
- Redesigned developmental module for > 400 first-year students  
**Advanced Developmental Psychology Review**  
- Led a tutorial group of MSc Students to write a review paper each on word learning in infancy  
**Contemporary and Conceptual Issues in Psychology**  
- Led three tutorial groups in topics relating to early adversity in childhood
- 2018 - 21 **Senior Postdoctoral Research Associate, UEA**  
**Introduction to fNIRS and demonstration**  
- Ran workshops and demonstrations for second-year, third-year and MSc courses  
**Open Science and Reproducibility**  
- Designed and ran a lecture on replicability and publishing in Developmental Psychology for MSc students  
- Designed and ran a similar seminar for incoming PhD students
- 2015-18 **DPhil Candidate, University of Oxford**  
**Language and Cognition**  
- Responsible for tutoring groups of 3 students at multiple colleges each year  
- Redesigned and ran a core practical in MATLAB on research design for undergraduates
- 2011 - 13 **MA Candidate and Lecturer, NJNU**  
**English in an Educational Context**  
- Designed and lectured 2 units per year to both of 3rd and 4th year undergraduates  
- Responsible for examination and grading of students

## INVITED TALKS AND KEYNOTES

- Oct. 2025 **University College London,**

- Title: Stacking the building blocks of early language development  
Host: Jo Taylor
- May 2024** [Workshop on Colour](#), London.  
Title: Linking colour categories to colour words and back again
- Feb. 2024** [University of Warwick](#)  
Title: Pointing the way to positive language development  
Host: Sotaro Kita
- Jan. 2024** [Teaching programming to non-programmers](#), Edinburgh  
Title: Teaching coding inclusively
- Feb. 2022** [Durham RIOTS Club](#)  
Title: Version Control for Academics with GitHub  
Host: Thuy-vy Nguyen
- Feb. 2021** [University of York](#)  
Title: Mommy and me: Using cross-cultural methods to understand links between infant and mothers cognition.  
Host: Eve Holden
- Feb. 2021** [University of Oslo](#)  
Title: Was Whorf Half Right? Examining Colour Words and Colour Perception.  
Host: Prof. Julien Mayor
- Sep. 2020** [BASIS 2020](#), Virtual conference  
Title: Examining sleep and neural development in early infancy.
- June 2019** [CLEAR 2019](#), Potsdam  
Title: PupillometryR: A framework for investigating pupillometry data in R.
- Sep. 2018** [University of Sussex](#) Department of Psychology:  
Title: Colour Word and Colour Category Learning in Infants and Toddlers  
Host: Prof. Anna Franklin
- Feb. 2018** [Oxford Brookes University](#) Department of Psychology:  
Title: The Effect of Colour Word Learning on Colour Category Knowledge  
Host: Dr. Nayeli Gonzalez-Gomez

## SERVICE TO THE FIELD

### Editorial Roles

- 2024 -** Associate editor at Journal of Child Language  
**2024 -** Associate editor in chief at Journal of Open Source Software  
**2022 - 2024** Associate editor at Journal of Open Source Software

### Workshops ran

- Mar 2024** R for (Developmental) Psychologists, Durham, March 18-19.  
**Sept 2017** Mixed modelling in language data, Department of Education, Oxford.  
**June 2017** Bayesian modelling and BEST practices, Oxford.

### Conference Programme Committees

- 2025** Annual meeting of the Cognitive Science Society, San Francisco  
**2024** Annual meeting of the Cognitive Science Society, Rotterdam  
**2023** UK fNIRS Conference, Essex.

### Selected Ad-Hoc Reviews

Collabra, Cortex, Child Development, Neuroimage, Developmental Psychology, Cognitive Science, Language Development Research, Journal of Open Source Software, Infant and Child Development, First Language, Journal of Experimental Child Psychology, Gates Open Research, Scientific Reports, Journal of Neuroscience

## SELECTED CONFERENCE PRESENTATIONS

- Sept. 2025** UK branch of the Society for fNIRS, Cambridge  
**Talk** Forbes S.H., Clucas, L., Stansfield, S., & D'Avino, G.  
The role of tiredness in infant visual working memory
- Sept. 2025** Annual meeting of the Flux society, Dublin  
**Poster** Forbes S.H., Fibla, L., & Spencer, J.P.  
How are language exposure and brain myelination related in early development? A preregistered longitudinal study
- Aug. 2025** Lancaster Conference on Infant and Early Child Development (LCICD)  
**Poster** Forbes S.H., Simon J., Jost, N. & Matejko, A.  
Linguistic differences count for early number word learning
- July 2024** International Congress on Infant Studies (ICIS)  
**Poster** Forbes S.H., Fibla, L., & Spencer, J.P.  
How are language exposure and brain myelination related in early development? A preregistered longitudinal study
- July 2024** International Congress on Infant Studies (ICIS)  
**Talk** Forbes S.H., Simon J., Jost, N. & Matejko, A.  
Characterising early number word learning across languages and cultures
- Aug. 2023** 8<sup>th</sup> Lancaster Conference on Infant and Early Child Development (LCICD)  
**Talk** Forbes S.H., Clucas L., & Mollaie, Z.  
Good Point! Do gestures predict language development?
- Aug. 2022** 7<sup>th</sup> Lancaster Conference on Infant and Early Child Development (LCICD)  
**Poster** Forbes, S.H., & Plunkett, K.  
Examining the links between infant colour vocabulary and categorical perception
- Aug. 2021** 6<sup>th</sup> Lancaster Conference on Infant and Early Child Development (LCICD), Virtual  
**Poster** Forbes, S.H., McCarthy, J., Grewal, J., Spencer, J.P.  
Shining light on the links between sleep and visual working memory in infancy
- Sep. 2020** Flux Virtual Conference.  
**Poster** Forbes, S.H., Wijekumar, S., Delgado Reyes, L., Kumar, A., Magnotta, V., Spencer J. Assessing the development of visual working memory in a global context: The INDIA Project.
- July 2020** Virtual International Conference on Infant Studies (ICIS)  
**Poster** Forbes S.H. PupillometryR: An R tool for measuring infant visual behaviour through pupil size
- July 2020** Virtual International Conference on Infant Studies (ICIS)  
**Poster** Forbes, S.H., Wijekumar, S., Delgado Reyes, L., Kumar, A., Magnotta, V., Spencer, J.P. Assessing the development of visual working memory in a global context: The INDIA project
- Sept. 2019** fNIRS UK, Birmingham  
**Poster** Forbes, S.H., Delgado Reyes, L., Magnotta, V., Spencer, J.P.  
An fNIRS-based approach to understanding the role of sleep in the development of visual working memory



- Aug. 2019** Annual Meeting of the Flux Society, NY  
**Poster** Forbes, S.H., Delgado Reyes, L., Grewal, J., Deoni, S., Spencer J.P.  
 The role of sleep in early infant myelin development
- Aug. 2019** 4<sup>th</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Talk** Forbes, S.H., Delgado Reyes, L., Grewal, J., Deoni, S., Spencer J.P.  
 The role of sleep in the development of visual working memory.
- Aug. 2019** 4<sup>th</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Talk** Forbes, S.H. Measuring infant visual behaviour through pupil size:  
 An introduction to PupillometryR.
- Aug. 2019** 4<sup>th</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Talk** Aneja, P., Forbes, S.H., Spencer, J.P. Visual exploration during parent-infant  
 interaction in India and UK
- July 2019** European Congress of Psychology, Moscow  
**Talk** Forbes, S.H., Delgado Reyes, L., Grewal, J., Deoni, S., Spencer J.P.  
 The role of sleep in visual working memory and brain health. Part of a symposium:  
*Global Brain Health and Development* chaired by S.H. Forbes
- June 2019** CLEAR 2019, Potsdam  
**Talk** Forbes S.H. PupillometryR: A framework for investigating pupillometry data in R.
- Mar. 2019** Society for Research in Child Development  
**Poster** Forbes, S.H., Delgado Reyes, L.M., Grewal, J., Cassidy, J.R., Spencer, J.P.  
 A Neurodevelopmental Approach to Understanding the Role of Sleep in the Development of  
 Visual Working Memory
- Oct. 2018** Biennial Meeting of the Society for fNIRS, Tokyo  
**Poster** Forbes, S.H., Delgado Reyes, L.M., Cassidy, J.R., Spencer, J.P.  
 A Neurodevelopmental Approach to Understanding the Role of Sleep in the Development of  
 Visual Working Memory
- Sep. 2018** 2<sup>nd</sup> British Psychological Society East of England Conference, Norwich  
**Talk** Forbes, S.H., Delgado Reyes, L.M., Cassidy, J.R., Spencer, J.P.  
 A Neurodevelopmental Approach to Understanding the Role of Sleep in the Development of  
 Visual Working Memory
- Sep. 2018** 3<sup>rd</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Talk** Forbes, S.H., & Plunkett, K. Visual Closure in Early Colour Vision Testing.
- Aug. 2017** 2<sup>nd</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Poster** Forbes, S.H., & Plunkett, K. The Role of Labels in Understanding Contextual  
 Information.
- Aug. 2016** 1<sup>st</sup> Lancaster Conference on Infant and Child Development (LCICD), Lancaster  
**Talk** Forbes, S.H., & Plunkett, K. The Development of Colour Word Knowledge  
 in Infants and Toddlers
- July 2016** 39<sup>th</sup> Annual Meeting of the Cognitive Science Society, London  
**Talk** Forbes, S.H., & Plunkett, K. Early Colour Word Learning in British Infants
- July 2016** 39<sup>th</sup> Annual Meeting of the Cognitive Science Society, London  
**Poster** Forbes, S.H., & Plunkett, K. The Development of Visual Closure in Infancy
- May 2016** 2016 International Conference on Infant Studies (ICIS), New Orleans  
**Poster** Forbes, S.H., & Plunkett, K. The Development of Colour Word Knowledge in  
 Infants and Children



## PUBLIC ENGAGEMENT

- Oct. 2024 Celebrate Science, Durham**  
- Helped at public event explaining psychology games to children
- Mar. 2024 Spotlight on colour, Life Centre, Newcastle**  
- Ran activities about colour with children and parents
- Oct. 2023 Celebrate Science, Durham**  
- Helped at public event explaining psychology games to children
- Oct. 2022 Celebrate Science, Durham**  
- Helped at public event explaining psychology games to children
- Aug. 2022 Junior Scientist Days, Durham**  
- Helped with 2 days of science events and recruitment for children in Durham
- May 2019 Pint of Science, Norwich**  
- 3 Nights of presenting neuroscience and psychology fact or myth quiz
- Sep. 2017 Oxford Curiosity Carnival**  
- Public engagement explaining work and playing games with parents and children
- July 2016 UNIQ Summer School**  
- Presented an interactive introduction and workshop on testing infants  
- For outstanding State School students interesting in studying at Oxford
- Feb. 2016 Oxford Making Links St Catherine's College, Oxford**  
- Presented a portion of research to teachers involved in early years teaching
- Sep. 2015 Belfast Baby Day**  
- Presented two invited talks to mothers and researchers at inaugural Belfast Baby Day

## TECHNICAL SKILLS

- Statistics** Bayesian hierarchical modeling, mixed effect modeling, survival analysis, GAMs, FDA  
Familiar with common packages such as STAN, JAGS, lme4, brms, ggplot2, etc  
Network modelling, clustering and machine learning
- Processing** Structural and mcDESPOT MRI analysis pipelines using AFNI, FSL, ANTS etc  
Eye-tracking and Pupillometric time course analysis using a variety of tools and devices  
HOMER2, HOMER3 and NIRFast fNIRS analysis
- Coding** R, Python, Matlab, Julia, Bash, L<sup>A</sup>T<sub>E</sub>X
- Testing** Infant & Adult Eye-tracking, Pupillometry, fNIRS, Head-mounted eye-tracking,  
MRI scanning, EEG, biometric measurement