GLENN WILLIAMS

Department of Psychology, Faculty of Health and Life Sciences, Northumbria University, NE1 8ST

QUALIFICATIONS

Post-graduate Certificate in Higher Education Teaching: Distinction. Abertay University (September 2017 – June 2019).

PhD Doctoral Research in Psychology. University of Dundee (September 2012 – June 2016).
Thesis Title: Language-mediated Event Representations.
Advisor: Dr. Yuki Kamide.

MRes Language & Cognition: Distinction. Northumbria University (September 2011 – September 2012).
Dissertation Title: Embodying Abstract Concepts.

BSc Psychology (Hons): First Class. Northumbria University (September 2008 – July 2011).
Dissertation Title: Evaluative Reactions of Regional Accents: An Evolutionary Perspective.

ACADEMIC POSITIONS

Assistant Professor in Psychology. Northumbria University (September 2022 – Present).

Lecturer in Psychology. University of Sunderland (September 2019 – August 2022).

Post-doctoral Research Fellow. Abertay University (September 2016 – August 2019).
Project Title: Literacy Acquisition in Situations of Dialect Exposure.
Principal Investigator: Prof. Vera Kempe.

Research Assistant. University of Dundee (April 2016 – September 2016).
Advisor: Dr. Yuki Kamide.

RESEARCH INTERESTS

Language comprehension, event cognition, literacy, dialect, embodied cognition.

PEER-REVIEWED JOURNAL ARTICLES

Williams, G. P., Kirk, N., Snchez, L. M., Afshar, Z., Wen, Y., & Declerck, M. (submitted). Shared or separate: Control processes of cross- and within-language interference. *Journal of Experimental Psychology: Learning, Memory, and Cognition.*

Buchanan, E. M., Maxwell, N. P., Montefinese, M., Taylor, J. E., Valentine, K. D., Cuccolo, K.,...Coles, N. (submitted). SPAML: Semantic priming across many languages. *Nature Human Behaviour.* https://doi.org/10.31219/osf.io/q4fjy

Wetherell, M. A., **Williams, G.**, & Doran, J. (2024). Assessing the psychobiological demands of high-fidelity training in pre-hospital emergency medicine. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 32*(101), 1-12. https://doi.org/10.1177%2F13591053231166263

Dunne, S., **Williams, G. P.**, Bradbury, C., Keyes, T., Lane, A., Yang, K., & Ellison, A. (2023). Uncovering the social determinants of brain injury rehabilitation. *Journal of Health Psychology, 28*(10), 956-969. https://doi.org/10.1177%2F13591053231166263

Hodgetts, S., Butler, J., & **Williams, G. P.** (2023). Time spent playing video games during periods of isolation has no effect on loneliness or mental health. *Behavior and Information Technology*, 1-22. https://doi.org/10.1080/0144929X.2023.2272201

Williams, G. P., Kempe, V., & Panayotov, N. (2022). Exposure to dialect variation in an artificial language prior to literacy training impairs reading of words with competing variants but does

not affect decoding skills. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 48*(12), 1868-1904. `https://doi.org/10.1037/xlm0001094`. Open access postprint retrieved from `https://doi.org/10.31234/osf.io/xmzth`.

Williams, G. P., Panayotov, N., & Kempe, V. (2020). How does dialect exposure affect learning to read and spell? An artificial orthography study. *Journal of Experimental Psychology: General, 149*(12), 2344-2375. https://doi.org/10.1037/xge0000778. `https://psycnet.apa.org/record/2020-29825-001`. Open access postprint retrieved from `https://psyarxiv.com/b8zn6/`.

Williams, G. P., Kukona, A., & Kamide, Y. (2019). Spatial narrative context modulates semantic (but not visual) competition during discourse processing. *Journal of Memory and Language, 108*, 104030. `https://doi.org/10.1016/j.jml.2019.104030`. Open access postprint retrieved from `https://psyarxiv.com/hvnym/`.

Chen, S-C., Szabelska, A., Chartier, C. R., Kekecs, Z., Lynott, D., Jones, B., ... Parveen, N. (2018, November 1). Investigating object orientation effects across 14 languages. Provisionally accepted at *Psychonomic Bulletin and Review.* `https://doi.org/10.31234/osf.io/t2pjv`

Moshontz, H., Campbell, L., Ebersole, C. R., IJzerman, H., Urry, H. L., Forscher, P. S., ... Chartier, C. R. (2018). The Psychological Science Accelerator: Advancing psychology through a distributed collaborative network. *Advances in Methods and Practices in Psychological Science*, 1-15. `https://doi.org/10.1177/251524591879`

PREPRINTS

Panayotov, N., **Williams, G. P.**, Kirk, N. W., & Kempe, V. (2020, January 7). Implicit sequence learning in applied game design. `https://doi.org/10.31234/osf.io/wujsn`.

PEER-REVIEWED JOURNAL ARTICLES IN PREPARATION

Declerck, M., **Williams, G. P.**, & Kirk, N. (in prep). Standard language production influences regional dialect use: Evidence from the blocked language order effect.

O'Reilly, M. & **Williams, G. P.** (in prep). The role of mental and bodily states in processing conceptual metaphors for emotion.

Williams, G. P., Kukona, A., & Kamide, Y. (in prep). Representing spatial shifts in discourse processing.

BOOKS

Williams, G. P. (2018). R for Psych. Web-book aimed at teaching R for data manipulation, analysis, and presentation for psychological research. Retrieved from `http://glennwilliams.me/r4psych/`

PEER-REVIEWED CONFERENCE PROCEEDINGS

Williams, G. P., Kukona, A., & Kamide, Y. (2015). Event structure influences on object accessibility during competitive retrieval. In Ansorge, U., Ditye, T., Florack, A., & Leder, H. (Eds). Abstracts of the 18th European Conference on Eye Movements, 2015, Vienna. *Journal of Eye Movement Research, 8*(4):1, 56. Retrieved from `http://www.jemr.org/online/8/4/1`

Williams, G. P., Kukona, A., & Kamide, Y. (2014). Representing spatial shifts in event processing. In Bello P., Guarini M., McShane M., & Scassellati, B. (Eds.) *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (3107-3112). Austin TX: Cognitive Science Society. Retrieved from `http://mindmodeling.org/cogsci2014/papers/536/paper536.pdf`

PEER-REVIEWED CONFERENCE PRESENTATIONS

Williams, G. P. & Docherty, R. (2022). Parallel activation of dialect lexicons during language comprehension. Poster presented at the 15th Annual Embodied and Situated Language Processing

(ESLP) conference. Tourcoing, France: August, 2022.

O'Reilly & **Williams, G. P.** (2022). Do anxiety and depression-related spatial conceptual metaphors bias overt target selection? Poster presented at the 15th Annual Embodied and Situated Language Processing (ESLP) conference. Tourcoing, France: August, 2022.

Williams, G. P., Panayotov, N., & Kempe, V. (2019). Does dialect exposure impair literacy acquisition? Talk presented at the 25th Annual Architectures and Mechanisms for Language Processing (AMLaP) conference. Moscow Higher School of Economics, Moscow, Russia: September 2019.

Williams, G. P., Panayotov, N., & Kempe, V. (2019). Does dialect exposure impair literacy acquisition? Talk presented at the Child Language Symposium. The University of Sheffield, Sheffield, UK: July 2019.

Williams, G. P., Panayotov, N., & Kempe, V. (2018). The impact of dialect exposure on artificial literacy learning in transparent and opaque orthographies. Poster presented at the 3rd Psychonomics International conference. Beurs van Berlage, Amsterdam, the Netherlands: May 2018.

Williams, G. P., Kukona, A., & Kamide, Y. (2017). Modulating conceptual (but not perceptual) competition in the visual world. Poster presented at the 23rd Annual Architectures and Mechanisms for Language Processing (AMLaP) conference. Lancaster University, Lancaster, UK: September 2017.

Williams, G. P., Panayotov, N., & Kempe, V. (2017). Introducing the artificial literacy learning paradigm for literacy acquisition research. Poster presented at the 23rd Annual Architectures and Mechanisms for Language Processing (AMLaP) conference. Lancaster University, Lancaster, UK: September 2017.

Williams, G. P., Panayotov, N., & Kempe, V. (2017). Does exposure to dialect variation help or hinder literacy acquisition? Symposium talk presented at the 20th Annual Conference of the European Society for Cognitive Psychology (ESCoP). The University of Potsdam, Potsdam, Germany: September 2017.

Williams, G. P., Kukona, A., & Kamide, Y. (2015). Spatial effects on semantic competition in discourse comprehension. Poster presented at the 21st Annual Architectures and Mechanisms for Language Processing (AMLaP) conference. The University of Malta, Valletta, Malta: September 2015.

Williams, G. P., Kukona, A., & Kamide, Y. (2015). Event structure influences on object accessibility during competitive retrieval. Talk presented at the 18th Biennial European Conference on Eye Movements (ECEM). The University of Vienna, Vienna, Austria: August 2015.

Williams, G. P., Kukona, A., & Kamide, Y. (2014). Spatial influences on object accessibility in discourse processing. Poster presented at the 20th Annual Architectures and Mechanisms for Language Processing (AMLaP) conference. The University of Edinburgh, UK: September, 2014.

Williams, G. P., Kukona, A., & Kamide, Y. (2014). Event structure influences on object updating: Accessing new representations in the visual world. Talk presented at the 7th Annual Embodied and Situated Language Processing (ESLP) conference. Rotterdam, The Netherlands: August, 2014.

Williams, G. P., Kukona, A., & Kamide, Y. (2014). Representing spatial shifts in event processing. Poster presented at the 36th Annual Conference of the Cognitive Science Society. Quebec City, Canada: July, 2014.

Williams, G. P., Kukona, A., & Kamide, Y. (2014). Event structure modulates accessibility for updated object representations during discourse processing. Talk presented at the Experimental Psychology Society (EPS) summer meeting. Newcastle University, Newcastle-Upon-Tyne, UK: July, 2014.

Williams, G. P., Kukona, A., & Kamide, Y. (2013). Distinctive events outweigh distance: Representing spatial-shifts in discourse processing. Poster presented at the 19th Architectures and Mechanisms for Language Processing (AMLaP) conference. Aix-Marseille Université, Marseille, France: September, 2013.

INVITED TALKS

2017: Are you more likely to find your key if the lock is in another room? Effects of spatial configuration on information retrieval in language comprehension. Talk presented at Northumbria University, Newcastle-upon-Tyne, UK: 10th May 2017.

2015: Representing space in discourse processing. Talk presented at the University of Glasgow, Glasgow, UK: 15th May 2015.

AWARDS, GRANTS, & SCHOLARSHIPS

2022: £4,732 UKRI and SFC Research Talent and Stabilisation Fund research seedcorn fund.

2022: £97,956 Northumbria University Competition-Funded PGRDF PhD Studentship. Full fees at up to £14,984 yearly and stipend at £17,668 yearly stipend for three years of study.

2020-2021: £1,000 Individual Research Funding, University of Sunderland.

2019: £3,515 Individual Research Funding, University of Sunderland.

2017: £10,000 Carnegie Trust Research Incentive grant application (unsuccessful): "Din-donian": Does Dundonian's distinctive sound make it more intelligible in background noise? Kirk, N. W., & Williams, G. P.

2015: £400 Leng Trust Travel Award for conference attendance: ECEM 2015, University of Vienna, Vienna, Austria.

2015: £120,128 Education Endowment Foundation grant application (unsuccessful; highly rated): Actively looking for learning, Williams, G. P., Taylor, L. J., & Tatler, B. W.

2014: £500 EPS Grindley Grant for conference attendance: EPS 2014, Newcastle University, Newcastle-upon-Tyne, UK.

2013: £500 EPS Grindley Grant for conference attendance: AMLaP 2013, Aix-Marseille Université, Marseille, France.

2012: £51,500 Full doctoral scholarship covering course fees and monthly bursary: School of Psychology, University of Dundee.

2011: £3,300 Full Masters scholarship covering course fees: Department of Psychology, Northumbria University.

2011: £1000 Undergraduate thesis award: Department of Psychology, Northumbria University.

2011: Award and prize for *Best Student Performance in BSc Psychology*: Northumbria University.

INDICATORS OF ESTEEM

2019 − Present: Fellow of the HEA (FHEA).

2019 − Present: Chartered Member of the British Psychological Society (BPS).

2018 − Present: Member of the Psychological Science Accelerator.

2013 − Present: Member of the Experimental Psychology Society (EPS).

TEACHING EXPERIENCE

2023 – Present

Module Leader: Data Science for Psychologists course for post-graduate students and staff, Northumbria University.

2019 – 2022

Deputy Program Leader for the Integrated Foundation Year, University of Sunderland.

Module leader for the Foundation Project and Statistics (FDN002), University of Sunderland: 6 hours of teaching per academic year distributed across 12 lectures. Tasked with developing materials and assessments and delivering content. Class size of approximately 30 for lectures.

Module leader and instructor for level 1 Mind to World (PSY123) (cognitive, developmental, and social psychology), University of Sunderland: 25 hours of teaching per academic year distributed across 25 lectures. Tasked with developing materials and assessments and delivering content. Class size of approximately 200 for lectures.

Instructor for level 1 Being a Psychologist (PSY140) (research methods and statistics), University of Sunderland: 96 hours of teaching per academic year distributed across 12 lectures, 2×2hr workshops for 18 weeks and 2×1hr workshops for 6 weeks. Class size of approximately 200 for lectures and 30 for workshops.

Module Leader for level 2 Research Methods and Statistics (PSY260) module, University of Sunderland: 153 hours of teaching per academic year distributed across 9 lectures, 3×2hr workshops for 16 weeks, 6×1hr workshops for 8 weeks. Tasked with developing examples, assessments, and delivering content related to experiment builder software and statistical programming. Class size of approximately 150 for lectures and 30 for workshops.

Instructor for level 4 Everyday Motivations and Biases (PSYM66), University of Sunderland: 4 hours of teaching per academic year distributed across 2 lectures. Class size of approximately 10 students.

Instructor for the Introduction to Data Science course, Institute of Coding, University of Sunderland: 14 hours per academic year distributed across 3×2hr workshops and 5×1hr workshops. Tasked with developing and delivering materials for introduction to Data Science using R and Python workshops.

2017 – 2018

Instructor and Module Creator for the R for Statistical Computing course for post-graduate students and staff, Abertay University: 20 hours of teaching per academic year. Tasked with developing and delivering a 10 lesson programme with workshop-based and online content. Class size of approximately 20 students.

Instructor for level 3 honours Developmental Psychology (PY302), Abertay University: 14 hours of teaching per academic year, distributed across 5 workshops and 2 lectures. Class size of approximately 30 students for workshops and 100 for lectures.

Instructor for level 2 honours Thoughts on Psychology (PY202), Abertay University: 10 hours of teaching per academic year. Class size of 14 students.

2012 – 2016

Adjunct faculty for Biological Psychology, Dundee University Access to Learning (DUAL) Summer School, University of Dundee: 5 hours of teaching per academic year distributed across 5 workshops, and 5 hours of direct contact per academic year. Class size of approximately 30

students.

Adjunct faculty for level 3 honours Cognitive Psychology (PY31001), University of Dundee: 10 hours of teaching per academic year distributed across 5 lectures, and 10 hours of direct contact per academic year. Tasked with developing and delivering a 5 lesson lecture programme.

Instructor and co-ordinator for the Cognitive Psychology, DUAL On-line Summer School, University of Dundee: 20 hours of direct contact per academic year. Class size of 11 students.

Demonstrator for level 2 honours Research Skills for Psychologists (PY22003), University of Dundee: 40 hours teaching and 10 hours of direct contact per academic year. Four classes per week with a class size of approximately 30 students.

SUPERVISION EXPERIENCE

2019 − 2020

MSc dissertation project. Kerry Vart (MSc Psychology; University of Sunderland): Narrative perspective and active engagement do not affect results of immediate tests of listening comprehension in 5 to 7-year olds.

MSc dissertation project. Kim Atherton (MSc Psychology; University of Sunderland): Biasing discourse context modulates phonological (but not semantic) competition: A mouse-tracking study.

BSc (Hons) dissertation projects for 22 students (University of Sunderland).
Topics include Memory, Psycholinguistics, Visual Perception, and Embodied Cognition.

2015 − 2016

MSc practicum project. Kerlin Pedak (MSc Psychological Research Methods, University of Dundee): Eye-tracking and Psycholinguistics.

BSc (Hons) dissertation project. Hara Voulgarakis (University of Dundee):
Eye-tracking and Psycholinguistics.

2014 − 2015

Erasmus work placement scheme. Francesca Viscido (University of Tampere, Finland):
Eye-tracking and Psycholinguistics.

MSc practicum project. Ruth Corps (MSc Psychology of Language, University of Dundee): Eye-tracking and Psycholinguistics.

OTHER TEACHING-RELATED EXPERIENCE

2022 − Present: Level 3 dissertation marking and moderation (8 hours per academic year), personal tuition (32 hours per academic year), level 4 dissertation marking and moderation (4 hours per academic year). Northumbria University.

2019 − 2022: Level 1 and 2 marking duties (143 hours per academic year), level 2 assessment moderation, (4 hours per academic year), level 3 dissertation marking and moderation (8 hours per academic year), personal tuition (32 hours per academic year), level 4 dissertation marking and moderation (4 hours per academic year). University of Sunderland.

2017: Level 2 marking duties, Abertay University: 30 hours per academic year.

2012 − 2015: Level 1 and 2 marking duties, University of Dundee: 100 hours per academic year.

2014: Level 2 and 3 examination invigilation, University of Dundee.

PUBLIC ENGAGEMENT

2018: The eyes and the mind. Presentation and discussion at the St Joseph's RC Primary School Careers Fayre. Dundee, UK. 6th June 2018.

2015: Using eye Movements in psychological research. Demonstration presented at the Psychology Department Open Day; a student recruitment program for the University of Dundee. Dundee, UK, 11th March 2015.

2014: The visual world paradigm. Demonstration presented at the Psychology Department Open Day; a student recruitment program for the University of Dundee. Dundee, UK, 18th December 2014.

2014: Understanding eye movements (Workshop). Co-presented with Shane Lindsay and Ross Macdonald at Engage Dundee; a public engagement event for primary school children (aged 8-10 years). University of Dundee, UK, 6th May 2014.

2014: Eye movements and communication. Demonstration co-presented with Ross Macdonald at Test Drive Dundee; a student recruitment program for the University of Dundee. Dundee, UK, 29th April 2014.

2013: Eye movements and the mind (Workshop). Co-presented with Shane Lindsay and Ross Macdonald at Engage Dundee; a public engagement event for primary school children (aged 8-10 years). University of Dundee, UK, 15th May 2013.

PROFESSIONAL CONTRIBUTIONS

2022 – 2023: Scientific Advisory Board Member for the Bilectal Reading Acquisition Influence on Individual Neurocognitive Signatures (BRAIINS) project.

2022 – Present: HEA Fellowship Reviewer.

2022 – Present: Grants Subcommittee Chair for the British Psychological Society North-East of England branch.

2021 – Present: Reviews Editor on the Editorial Board of Language Sciences for *Frontiers in Psychology* and *Frontiers in Communication*.

2019 – Present: Methods reviewer for the *Psychological Science Accelerator*, and reviewer for *Current Psychology*.

2013 – 2014: Postgraduate representative, School of Psychology: University of Dundee.

2008 – 2011: Undergraduate representative, Department of Psychology: Northumbria University.

TECHNICAL SKILLS

Experimental Creation and Design
HTML, CSS, JavaScript, lab.js, jsPsych, Python, PsychoPy, Open Sesame, SR Research Experiment Builder, Audacity and Praat sound editing software, GIMP and Photoshop image editing suites.

Eye-tracking Systems
Desk Mounted: Eyelink-1000, Eyelink-1000 Plus
Head Mounted: EyeLink-II
Portable: Positive Science

Data Analysis/Presentation

R, Python, Julia, Stan, SR Research Data Viewer, Yarbus, SPSS, JASP, Jamovi, Microsoft Excel, LaTeX.

ADDITIONAL TRAINING COURSES

2022: The Sixth Summer School on Statistical Methods for Linguistics and Psychology: Advanced Bayesian Data Analysis.

2020: Moving research online: Tutorials on running your research over the Web.

2018: Teaching reproducible data analysis in R. University of Glasgow.

2017: Bayesian statistics: From concept to data analysis. University of California, Santa Cruz (via Coursera).

2017: Improving your statistical inferences. Eindhoven University of Technology (via Coursera).

2014: Growth curve analysis: A hands-on tutorial on using multilevel regression to analyze time course data. CogSci 2014, Quebec City: Canada.

2013: SUPPORT: Eye-tracking methodologies. University of St. Andrews.

2012: Advanced Excel – functions, tricks, and short-cuts. University of Dundee.

2012: Digital image manipulation – Photoshop. University of Dundee.

REFERRALS

Available on request.