DR. SAM S. WEBB **Email**: sam.webb@ndcn.ox.ac.uk - **Tel** +447707047433

EDUCATION

2020-2024	**DPhil** Translational Neuropsychology	University of Oxford	Passed
2018-2019	**MSc** Psychological Research	University of Oxford	Merit
2015-2018	**BSc** Psychology with Neuropsychology	Bangor University	First Class Honours

EMPLOYMENT

Sept 2024 - Present	Postdoctoral research fellow
Mar 2023 – Dec 2025	Research consultant for commercial companies
2019-2021	Graduate Research Assistant
2017-2018	Undergraduate Research Assistant

CHRONOLOGICAL RESEARCH OUTPUTS (18 peer-reviewed articles since 2021; 9 **first-author**, 1 in-press, 3 pre-prints. Google Scholar)

Pearce, D. D., et al (2025). Target selection signals causally influence human perceptual decision making. *Journal of Neuroscience, doi: /10.1523/JNEUROSCI.2048-24.2025*

*Moore, M. J**., Webb, S. S.,** & Demeyere, N. (2025). Pre-Attentive Processing in Visuospatial Neglect: Burning Houses Revisited. *Cortex. https://doi.org/10.1016/j.cortex.2025.05.005*

- *Significance*: This registered report sought to replicate the seminal 1989 paper on pre-processing of visual stimuli in patients with hemi-spatial neglect. In a rigorous replication we found that the effect was rare and was not specific to neglect, against what was considered a cornerstone of decades of neglect research.

***Webb, S. S.,** Sun, L., Tang, E., & Demeyere, N. (2025). The Mini-Oxford Cognitive Screen (Mini-OCS): a very brief cognitive screen for use in chronic stroke. I*n-press at European Stroke Journal*. https://doi.org/10.31234/osf.io/yvb43

- *Significance*: Using advanced statistical methods, we were able to develop a brief short form cognitive screen suitable for stroke in primary care (GP settings). This is a chronically under researched area, and we are the first to propose and implement such a test for stroke survivors.

Pre-print: Cowen, K., Tabone, F., **Webb, S. S.,** Kusec, A., DaSilva, R., Thomas, R., … Vancleef, K. (2025, June 10). Reliability and Validity of the Oxford Visual Perception Screen in Sub-Acute Adult Stroke Survivors. *psyarxiv. https://doi.org/10.31234/osf.io/ym7wj_v1*

Pre-print: Vancleef, K., Cowen, K., Tabone, F., **Webb, S. S.,** Kusec, A., Demeyere, N. (2025). Accuracy of the Oxford Visual Perception Screen. *medRxiv*. https://doi.org/10.1101/2025.06.04.25328952

Pre-print: **Webb, S. S.,** Burns, S. P., & Demeyere, N. (2024, September 18). New normative data and convergent validity for the MET-Home revised in English speaking neurologically healthy adults and stroke survivors. *psyarxiv*. https://doi.org/10.31234/osf.io/yb3fe

***Webb, S. S.,** & Demeyere, N. (2024). Comparing the Oxford Digital Multiple Errands Test (OxMET) to a real-life version: convergence, feasibility, and acceptability. *Neuropsychological Rehabilitation*, *https://doi.org/*101 FTE080/0912011.2024.2344326

- *Significance*: I psychometrically validated a new brief app-based screening tool and showed it was similar to conducting a full observational functional assessment, demonstrating clinical applicability for a much shorter and more accessible test.

Roberts, R., Vohora, R., **Webb, S. S.,** & Demeyere, N. (2024). Validating the OCS-Plus against a clinical standard: A brief report. *Journal of Neuropsychology*. DOI:10.1111/jnp.12369

Webb, S. S., & Demeyere, N. (2023). Predictive validity of the Oxford Digital Multiple Errands Test (OxMET) for functional outcomes after stroke. *Neuropsychological Rehabilitation*, DOI:101 FTE080/0912011.2023.2247152

Webb, S. S., & Demeyere, N. (2023). Using multiverse analysis to highlight differences in convergent correlation outcomes due to data analytical and study design choices. *Assessment*, 30(6), 1825-1835. DOI:101 FTE177/10731911221127904

A. P., P., Venkateswaran, P., Vijayanand, S., **Webb, S. S.,** Ramkumar, S., C. R., S. and Demeyere, N. (2023). The cultural and linguistic adaptation of the Oxford Cognitive Screen to Tamil. *Journal of the International Neuropsychological Society*. 2023;29(10):964-971.DOI:10.1017/S135561772300067X

Webb, S. S, Carrick, C, Kusec, A, & Demeyere, N. (2023). Introducing the Tele-OCS: A validated remotely administered version of The Oxford Cognitive Screen [version 1; peer review: 2 approved with reservations]. *Health Open Res*, 5:8, https://doi.org/10.12688/healthopenres.13291.1

Sanctuary, C., Hewitt, L., Demeyere, N., Kankkunen, K., Oxenham, V. D., Simpson, D. B., Stolwyk, R. J., Synn, A., **Webb, S.S.,** Marsden, D. L. (2022). The Oxford Cognitive Screen for use with Australian people after stroke (OCS-AU): The adaptation process, and determining cut scores for cognitive impairment using a cross-sectional normative study. *Australian Occupational Therapy Journal*. DOI:10.1177/10731911221127904.

***Webb S. S,** Hobden G, Roberts R, Chiu EG, King S, Demeyere N. (2022) Validation of the UK English Oxford cognitive screen-plus in sub-acute and chronic stroke survivors. *European Stroke Journal*. https://doi.org/10.1177/23969873221119940

- *Significance*: The first evidence of a brief, but detailed and domain-general, screen for stroke suitable both acutely and chronically for detection of cognitive impairment. Large sample size (n=347 stroke patients) and clear validation methods and outcomes.

Burns, S. P., Fleming, T. K., **Webb, S.S.,** Kam, A. S. H., Fielder, J. D., Kim, G. J., … & Kringle, E. A. (2022). Stroke Recovery During the COVID-19 Pandemic: A Position Paper on Recommendations for Rehabilitation. *Archives of physical medicine and rehabilitation*, https://doi.org/10.1016/j.apmr.2022.04.004

***Webb, S.S.,** Moore, M., Yamshchikova, A., Kozik, V., Duta, M., Voiculescu, I., & Demeyere, N (2021) Validation of an Automated Scoring Program for a digital Complex Figure Copy Task within healthy ageing and stroke, *Neuropsychology,* https://doi.org/10.1037/neu0000748

- *Significance*: I lead on a multidisciplinary effort, combining psychology, computer science, and engineering, to develop a unique algorithm to automatically score participants copies of a complex figure. I lead the psychometric validation of the algorithm, which achieved near perfect linear associations of .97 between human ratings and the algorithm.

Webb, S.S.., Kontou, E., & Demeyere, N. (2021) The COVID-19 pandemic altered the modality, but not the frequency, of formal cognitive assessment, *Disability and Rehabilitation*, https://doi.org/10.1080/09638288.2021.1963855

Webb, S.S., Jespersen, A.,Chiu, E. G., Payne, F., Basting, R., Duta, M. D., & Demeyere, N. (2021) The Oxford digital multiple errands test (OxMET): Validation of a simplified computer tablet based multiple errands test, *Neuropsychological Rehabilitation*, https://doi.org/10.1080/09602011.2020.1862679

Demeyere, N., Haupt, M., **Webb, S.S.** et al. Introducing the tablet-based Oxford Cognitive Screen-Plus (OCS-Plus) as an assessment tool for subtle cognitive impairments. *Scientific Reports*, 11, 8000 (2021). https://doi.org/10.1038/s41598-021-87287-8

SELECTED GRANTS & AWARDS

2025	OPSYRIS Rising Star Award
2024-2027	Stroke Association independent Postdoctoral Fellowship (**£234,983.98**)
2024	Departmental award for contributions to open science and the department of Experimental Psychology
2023	Federation of European Neuropsychological Societies symposium award **(£1,000**)
2021-2024	Stroke Association independent Postgraduate Fellowship **(£110,844.67**)
2019	British Neuropsychological Association Travel grant (**£200**)
2018	Tim Miles prize for best overall second year student (Bangor University)
2018	Kevin Larkin prize for student citizenship Bangor University)

SELECTED CONFERENCES, TALKS, & LECTURES (posters at approx. ~10 conferences)

2025	**Invited Lecture,** University of Malta	"Neuropsychological assessment of executive function" invited lecture of measurement of EF in context of history and my research
2024	**Talk**, Neuropsychological Rehabilitation Special Interest Group (NRSIG) – Coimbra, Portugal	Data blitz: presentation of the OxMET and its validity
2024	**Talk,** British Neuropsychological Society (BNS) – London, UK	"Comparing the Oxford Digital Multiple Errands Test (OxMET) to a real-life version: convergence, feasibility, and acceptability": I presented my PhD work on the apps I co-developed.
2022	**Invited Talk,** Organisation for Psychological Research in Stroke (OPSYRIS) – Durham, UK	"Introduction to the Oxford Digital Multiple Errands Test (OxMET)" I presented the psychometric evidence of the OxMET I co- developed in my DPhil.

TEACHING & ACADEMIC CITIZENSHIP

2016-present – Ongoing private tutoring in psychology and statistics

2025-present – Member of Equality Diversity and Inclusion Committee at Department

2015-present – Private tutoring in psychology and statistics

2024-2025 – Ongoing MSc research project day to day supervision

2023-2024 – Completed 2 MSc research projects day to day supervision

2022-2023 – Neuropsychological Assessment block practical & Social Psychology core practical, Experimental Psychology

2019-2023 – ReproducibiliTea Open Science member, Experimental Psychology

2018-2019 – People and Culture Committee, Experimental Psychology