Meredith A. Shafto, Ph.D.

Research Psychologist, GS-13

Institutional Research and Assessment Division
Vice Provost of Academic Affairs   email: meredith.a.shafto2.civ@army.mil
Army University   personal website: www.mshafto.com

Summary of Relevant Experience:

- Highly rated and dedicated Research Psychologist with a proven track record (30+ peer reviewed publications) in behavioral science research on topics in cognitive psychology and fields associated with adult education
- Experience working in and leading diverse research teams, managing complex and changing requirements and timelines, and problem solving
- Expertise across all stages of research including identifying needs and gaps, preparing detailed research plans, creating reliable data collection methods, analyzing and interpreting data, providing targeted recommendations and evidence-based guidance, and creating products for dissemination.

Education

2002	PhD, Cognitive Psychology, University of California, Los Angeles, USA
1999	MA, Cognitive Psychology, University of California, Los Angeles, USA
1996	BA, *summa cum laude*, Pomona College

Professional appointments

04/22 - *present* Research Psychologist, Institutional Research and Assessment Division, Vice Provost of Academic Affairs, Army University
01/15 - *present* Associate Editor, *Language, Cognition, and Neuroscience*
01/20 - 04/22   Visiting Scholar, Department of Linguistics and Cognitive Science, Pomona College
10/16 - 04/20   Affiliated Lecturer, Department of Psychology, University of Cambridge
10/07 - 06/18   College Research Associate, Clare College, Cambridge
10/15 - 12/17   Visiting Researcher, University of Cambridge
10/10 - 10/15   Project Manager, Cambridge Centre for Ageing and Neuroscience
04/12 - 10/15   Senior Research Associate, Department of Psychology, University of Cambridge
10/10 - 10/14   Affiliated Lecturer, Department of Psychology, University of Cambridge
04/04 - 03/12   Research Associate, Department of Psychology, University of Cambridge
10/02 - 09/06   Junior Research Fellow, Christ Church College, Oxford

Selected Publications (2014-2025)

Full list of publications and presentations available on mshafto.com

Shafto, M.A. (in press). Feedback from the Field for Captains Career Course Common Core: Relevance to Outcomes-Based Military Education. *Journal of Military Learning*.

Lauer, S., Petersen, S., & **Shafto, M**. (in press) Army University Telework: A case study in organizational learning to promote rapid culture change. *Journal of Military Learning.*

Fortuna, E., Persyn, J., Petersen, S.A., **Shafto, M.A.** (2024). Where Army Culture and Twenty-First Century Educational Best Practices Collide: A Post Mortem Review of Distributed Learning. *Military Review, November.*

Shafto, M. A., Abrams, L., & James, L. E. (2024). Age-related differences in the evaluation of highly arousing language. *Psychology and Aging,* 39 (3), 288-298.

Shafto, M. A., Abrams, L., James, L. E., Hu, P., & Gray, G. (2024). Relating Tabooness to Humor and Arousal Ratings in American English: What the F*** Is so Funny? *Language and Speech*, OnlineFirst, https://doi.org/10.1177/00238309241228863 .

Mitchell, D. J., Mousley, A. L., **Shafto, M. A.**, & Duncan, J. (2023). Neural contributions to reduced fluid intelligence across the adult lifespan. *Journal of Neuroscience*, *43*(2), 293-307.

Borgeest, G. S., Henson, R. N., **Shafto, M.,** Samu, D., Cam-CAN, & Kievit, R. A. (2020). Greater lifestyle engagement is associated with better age-adjusted cognitive abilities. *Plos one, 15*(5), e0230077.

Shafto, M. A., Henson, R. N., Matthews, F. E., Taylor, J. R., Emery, T., Erzinclioglu, S., ... & Marslen-Wilson, W. D. (2020). Cognitive diversity in a healthy aging cohort: cross-domain cognition in the Cam-CAN Project. *Journal of aging and health,* 32(9), 1029-1041.

Bruffaerts, R., Tyler, L. K., **Shafto, M.,** Tsvetanov, K. A., & Clarke, A. (2019). Perceptual and conceptual processing of visual objects across the adult lifespan. *Scientific reports*, 9(1), 1-13.

Fuhrmann, D., Nesbitt, D., **Shafto, M**., Rowe, J. B., Price, D., Gadie, A., ... & Cusack, R. (2019). Strong and specific associations between cardiovascular risk factors and white matter micro-and macrostructure in healthy aging. *Neurobiology of Aging, 74,* 46-55.

Shafto, M. A., James, L. E., Abrams, L., & CAN, C. (2019). Age-related changes in word retrieval vary by self-reported anxiety but not depression symptoms. *Aging, Neuropsychology, and Cognition*, 1-14.

Chan, D., **Shafto, M**., Kievit, R.A., Matthews, F.E., Spink, M., Valenzuela, M., Cam-CAN, Henson, R. (2018). Lifestyle activities in mid-life contribute to cognitive reserve in late-life, independent of education, occupation and late-life activities. *Neurobiology of Aging, 70, 180-183.*

Gadie, A., **Shafto, M**., Leng, Y., Cam-CAN, Kievit, R. A. (2017). Age-related differences in self-reported sleep quality predict healthy ageing across multiple domains: a multi-modal cohort of 2406 adults. *BMJ Open*. doi: *https://doi.org/10.1101/060145*

Samu, D., Campbell, K.L., Tsvetanov, K.A., **Shafto, M.A.,** Cam-CAN, and Tyler, L.K (2017). Preserved cognitive functions with age are determined by domain-dependent shifts in network responsivity. *Nature Communications*, 8. *doi: 10.1038/ncomms14743*

Shafto, M. A., James, L. E., Abrams, L., Tyler, L. K., & Cam-CAN. (2017). Age-Related Increases in Verbal Knowledge Are Not Associated With Word Finding Problems in the Cam-CAN Cohort: What You Know Won't Hurt You. The *Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, 72.1, 100-106. *http://doi.org/10.1093/geronb/gbw074*

Taylor, J.R., Williams, N., Cusack, R., Auer, T., **Shafto, M.A.,** Dixon, M., Tyler, L.K., Cam-CAN, & Henson, R.N. (2017). The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) data repository: Structural and functional MRI, MEG, and cognitive data from a cross-sectional adult lifespan sample. *NeuroImage, 144, 262-269. doi: 10.1016/j.neuroimage.2015.09.018*

Campbell, K.L., **Shafto, M.A**., Wright, P., Tsvetanov, K.A., Geerligs, L., Cusack, R., Cam-CAN, & Tyler, L.K. (2015). Idiosyncratic responding during movie-watching predicted by age differences in attentional control. *Neurobiology of Aging, 36 (11),* 3045–3055. *doi: 10.1016/j.neurobiolaging.2015.07.028*

Green, E., **Shafto, M.A.,** Matthews, F.E., Cam-CAN, White, S.R. (2015). Lifespan cognitive variability in the cross-sectional Cam-CAN cohort. *International Journal of Environmental Research and Public Health*, *12* (12) 15516-15530. *doi:10.3390/ijerph121215003*

Shafto, M.A. (2015) Proofreading in young and older adults: The effect of error category and comprehension difficulty. *International Journal of Environmental Research and Public Health, 12*(11), 14445-14460. *doi:10.3390/ijerph121114445*

Tsvetanov, K. A., Henson, R. N., Tyler, L. K., Davis, S. W., **Shafto, M. A.,** Taylor, J. R., Williams, N., Cam-CAN, & Rowe, J. B. (2015). The effect of ageing on fMRI: Correction for the confounding effects of vascular reactivity evaluated by joint fMRI and MEG in 335 adults. *Human brain mapping, 36*(6), 2248-2269. *doi: 10.1002/hbm.22768*

Shafto, M.A., & Tyler, L.K. (2014). Language in the aging brain: The network dynamics of cognitive decline and preservation. *Science*, 346(6209), 583-587. *doi: 10.1126/science*

Shafto, M.A., Tyler, L.K., Dixon, M., Taylor, J.R., Rowe, J.B., Cusack, R., Calder, A.J., Marslen-Wilson, W.D., Duncan, J., Dalgleish, T., Henson, R.N., Brayne, C., Cam-CAN, & Matthews, F.E. (2014). The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) study protocol: a cross-sectional, lifespan, multidisciplinary examination of healthy cognitive ageing. *BMC Neurology*, 14(1), 204. *doi: 10.1186/s12883-014-0204-1*

Additional Information

Funding Support, Professional Recognition and Awards

2024	Awarded Army University coin in recognition of work for the Army University Learning Symposium, 2024
2023	Awarded Army University coin in recognition of work towards Captains Career Course Common Core evaluation
2023	FY23 Q2 Employee of the Quarter, Vice Provost of Academic Affairs, Army University
2022	Civilian Service Achievement Medal, Army University
2010 - 2015	Named Project Manager BBSRC Longer and Larger Grant BB/H008217/1; *"Systems Cognitive Neuroscience of Healthy Ageing: Population-representative studies of Functional Plasticity and Neural Change."* Held at University of Cambridge, £5 million
2009 - 2013	Co-applicant research grant from the Dunhill Medical Trust, *"The role of neural flexibility in successful ageing: Maintaining language function across the lifespan."* Held at University of Cambridge, £274,048
2006 - 2010	Research into Ageing (now Age UK) 30th Anniversary Fellowship, *"The relationship between age-related word-finding problems and neural change."* Held at University of Cambridge, £147,944
2006 - 2007	Strategic Promotion of Ageing Research Capacity (joint BBSRC and EPSRC funding), "Investigating the neural underpinnings of word-finding problems across the life span." Held at University of Cambridge, £40,022.
2005 - 2006	Research Small Grant SG-40847, British Academy, *"Orthographic error monitoring in older adults"* Held at University of Cambridge, £3504
2003 - 2004	Research Small Grant SG-35664, British Academy, *"Proofreading in old age: why do older adults fail to notice errors?"* Held at University of Oxford, £7487
1996 - 2001	National Science Foundation Graduate Research Fellowship. Held at University of California, Los Angeles, USA.
1996 - 1997	Fulbright Post Baccalaureate Fellowship, "*Memory in Western Samoans: literacy and oral traditions."* Held at the University of Samoa, Apia, Samoa.

Computing Skills

- Behavioral analysis: SPSS, R/RStudio, and Matlab. eCornell Certificate in R Analytics, completed December 2023 (3 courses, ~72 hrs total)
- Structural MR, fMRI, and MEG analyses: Statistical Parametric Mapping (SPM) and affiliated toolboxes (predominately Matlab-based).
- Experiment presentation: Eprime; some experience with Matlab, Superlab, Qualtrics, and Verint