

Meredith A. Shafto, Ph.D.

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Education and Qualifications

2002	PhD, Cognitive Psychology, University of California, Los Angeles, USA
1999	MA, Cognitive Psychology, University of California, Los Angeles, USA
1996	BA, <i>summa cum laude</i> , Pomona College
1994	AA, Bard College at Simon's Rock

Professional Appointments

01/20 – present	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 (Cam-CAN; cam-can.com)
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
08/97 - 06/02	Research Assistant, UCLA Cognition and Aging Lab. Supervisor: Prof Donald MacKay
11/96 - 08/97	Independent research funded by Fulbright Fellowship, Apia, Western Samoa
08/95 - 12/95	Research Assistant, Pomona College. Supervisor: Prof Suzanne Thompson
06/95 - 08/95	Student intern, NASA-Ames Research Center, Moffit Field, CA. Supervisor: Dr Mary Kaiser
01/95 - 08/96	Research Assistant, Pomona College. Supervisor: Prof Deborah Burke
06/94 - 08/94	Student intern, NASA-Ames Research Center, Moffit Field, CA. Supervisor: Dr Heiko Hecht

Funding Support

2010 - 2015	Named Project Manager BBSRC Longer and Larger Grant BB/H008217/1; <i>"Systems Cognitive Neuroscience of Healthy Ageing: Population-representative studies of Functional Plasticity and Neural Change."</i> Held at University of Cambridge, £5 million
2009 - 2013	Co-applicant research grant from the Dunhill Medical Trust, <i>"The role of neural flexibility in successful ageing: Maintaining language function across the lifespan."</i> Held at University of Cambridge, £274,048
2006 - 2010	Research into Ageing (now Age UK) 30 th Anniversary Fellowship, <i>"The relationship between age-related word-finding problems and neural change."</i> Held at University of Cambridge, £147,944
2006 - 2007	*Strategic Promotion of Ageing Research Capacity (joint BBSRC and EPSRC funding), <i>"Investigating the neural underpinnings of word-finding problems across the life span."</i> Held at University of Cambridge, £40,022.
2005	Travel Award, Committee on Women in Neuroscience (C-WIN), \$1000
2005 - 2006	Research Small Grant SG-40847, British Academy, <i>"Orthographic error monitoring in older adults"</i> Held at University of Cambridge, £3504
2003 - 2004	Research Small Grant SG-35664, British Academy, <i>"Proofreading in old age: why do older adults fail to notice errors?"</i> Held at University of Oxford, £7487
2003	Lockey Bequest travel award, Life and Environmental Sciences Division, University of Oxford, £579
1996 - 2001	National Science Foundation Graduate Research Fellowship. Held at University of California, Los Angeles, USA
1996 - 1997	Fulbright Post Baccalaureate Fellowship, <i>"Memory in Western Samoans: literacy and oral traditions."</i> Held at the University of Samoa, Apia, Samoa

Management and Supervising Experience

10/10 - 10/15	Co-supervisor to teams of 1-4 Research Assistants (total 8 employees), Cam-CAN project
10/10 - 10/15	Co-supervisor to teams of 1-9 postdoctoral researchers (total 12 employees), Cam-CAN project
06/09 - 09/14	Supervisor of summer Research Assistants (4 total students), University of Cambridge
10/09 - 06/13	Co-supervisor to PhD candidate, Jingting Zhang, University of Cambridge
03/12 - 02/13	Co-supervisor to Research Assistant, Centre for Speech, Language, and the Brain, University of Cambridge

- 05/11 - 02/13 Co-supervisor to postdoctoral researcher, Centre for Speech, Language, and the Brain, University of Cambridge
- 10/08 - 06/10 Advisor to MSc candidate, Shannon Chiu, University of Cambridge
- 07/04 - 07/10 Supervisor to Research assistants (2 total employees), Centre for Speech, Language, and the Brain, University of Cambridge
- 10/99 - 06/02 Supervisor to teams of 1-4 Research Assistants, University of California, Los Angeles

Undergraduate Teaching Experience

- 12/04 – 04/20 Departmental lectures, seminar and demonstrations. University of Cambridge. Topics: Language and Ageing; Neuropsychology of Language; Psycholinguistics; Language, mind, and brain; Neurocognitive Aging.
- 10/04 - 06/15 Supervisor for >15 final-year undergraduate projects, University of Cambridge
- 10/07 - 05/08 College supervisor, Psychology, University of Cambridge
- 05/06 - 06/06 Internal assessor, Experimental Psychology, University of Cambridge.
- 10/02 - 03/03 College tutorials. University of Oxford. Topics: Language and Cognition, Social Psychology, Individual Differences, Topics in Psycholinguistics.
- 01/03 - 03/03 Departmental lecture series. University of Oxford. Topic: Advanced seminar in Psycholinguistics.
- 10/02 - 12/02 Departmental lectures. University of Oxford. Topics: Language and the Brain, Language Development; Language, Attention, Memory.
- 10/99 - 08/01 Graduate student Teaching Assistant, University of California, Los Angeles. Topics: Introductory Psychology, Cognitive Psychology, Research Methods.

Published manuscripts

- Shafto, M. A.**, Abrams, L., & James, L. E. (*under review, Behavior Research Methods*). *Relating Tabooness and Humor Ratings In American English: What the F*** is so Funny?*
- 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., Erzincinlioglu, 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
- Shafto, M.A.**, Randall, B., Stamatakis, E.A., Wright, P., and Tyler, L.K. (2012). Age-related neural reorganization during spoken word recognition: The interaction of form and meaning. *Journal of Cognitive Neuroscience*, 19(12) 1-11. doi: 10.1162/jocn_a_00218
- Stamatakis, E.A., **Shafto, M.A.**, Williams, G., Tam, P., & Tyler, L.K. (2011). White Matter Changes and Word Finding Failures with Increasing Age. *PLoS ONE*, 6(1), e14496. <https://doi.org/10.1371/journal.pone.0014496>
- Shafto, M.A.** (2010). Orthographic error monitoring in old age: Lexical and sublexical availability during perception and production. *Psychology and Aging*, 25,991-1001. doi: 10.1037/a0020117
- Shafto, M.A.**, & MacKay, D.G. (2010). Miscomprehension, meaning and phonology: The Unknown and Phonological Armstrong Illusions, *European Journal of Cognitive Psychology*, 22, 529-568. <https://doi.org/10.1080/09541440902941967>
- Shafto, M.A.**, Stamatakis, E.A., Tam, P.P., & Tyler, L.K. (2010). Word retrieval failures in old age: The relationship between structure and function. *Journal of Cognitive Neuroscience*, 22, 1530-1540. doi: 10.1162/jocn.2009.21321
- Tyler, L.K., **Shafto, M.A.**, Randall, B., Wright, P., Marslen-Wilson, W.D., Stamatakis, E.A. (2010). Preserving Syntactic Processing across the Adult Life Span: The Modulation of the Frontotemporal Language System in the Context of Age-Related Atrophy. *Cerebral Cortex*, 20(2), 352-364. doi: 10.1093/cercor/bhp105
- Shafto, M.A.**, Burke, D.M., Stamatakis, E., Tam, P., & Tyler, L. (2007). On the tip-of-the-tongue: Neural correlates of increased word-finding failures in normal aging. *Journal of Cognitive Neuroscience*, 19, 12, 1-11.
- Burke, D.M., & **Shafto, M. A.** (2004). Aging and language production. *Current Directions in Psychological Science*, 13, 21-24.
- MacKay, D.M., **Shafto, M.A.**, Taylor, J.K., Marian, D.E., Abrams, L., & Dyer, J.R. (2004). Relations between emotion, memory and attention: Evidence from taboo Stroop, lexical decision, and immediate memory tasks. *Memory and Cognition*, 32, 474-488.
- Shafto, M.A.**, & MacKay, D.M. (2000). The Moses and Armstrong Illusions: Implications for Language Comprehension and Semantic Memory. *Psychological Science*, 11, 372-378.

Book chapters and other publications

- Neville, D. A., Fitz, H., & **Shafto, M.** (2021). AgeNet: A Neurobiological Model of Age-related Word Retrieval Deficits. In Proceedings of the Annual Meeting of the Cognitive Science Society (Vol. 43, No. 43).
- Williams, C., Thwaites, A., Buttery, P., Geertzen, J., Randall, B., **Shafto, M.**, Devereux, B., & Tyler, L. K. (2010). The Cambridge Cookie-Theft Corpus: A corpus of directed and spontaneous speech of brain-damaged patients and healthy individuals. In Calzolari, N., Choukri, K., Maegaard, B., Mariani, J., Odjik, J., Piperidis, S., Rosner, M., & Tapias, D. (Eds.) *Proceedings of the Seventh Conference on International Language Resources and Evaluation (LREC'10)* Valletta, Malta: European Language Resources Association (ELRA)
- Burke, D.M., & **Shafto, M.A.** (2008). *Language and Aging*. Book chapter for F.I.M. Craik and T.A. Salthouse (Eds.), *The Handbook of Aging and Cognition*, Psychology Press.
- Shafto, M.A.** & Tyler, L. K. (2007). Can Old Brains Learn New Tricks? Invited article for *Horizons*, magazine of Research Services Division, University of Cambridge.
- Shafto, M.A.** (2007). Word comprehension in younger and older adults: When is a difference a deficit? Invited article for *British Academy Review*, issue 10.
- Shafto, M.A.** (2002). Orthographic error monitoring in older adults. *Dissertation Abstracts International*, 63 (03), 1584. (UMI No. 3045605).

Published abstracts

- Shafto, M. A.**, Randall, B., Wright, P., & Tyler, L. K. (2010). Lexical access in young, younger-old and older-old adults: Age-related changes in the contribution of phonology and semantics. *Journal of Cognitive Neuroscience*
- Shafto, M. A.**, Randall, B., Tam, P. P., Burke, D. M., & Tyler, L. K. (2008). Hemispheric changes in the fronto-temporal language system in younger and older adults. *Journal of Cognitive Neuroscience*, 20.
- Stamatakis, E. A., Burke, D. M., **Shafto, M. A.**, Tam, P. P., Williams, G. B., Harding, S., & Tyler, L. K. (2006). The role of white matter integrity in age-related word-finding difficulties. *NeuroImage*, 26(S1): 258.
- Shafto, M. A.**, Stamatakis, E. A., Tam, P. P., Burke, D. M., & Tyler, L. K. (2006). Age-related changes in activation during tip-of-the-tongue: An event-related fMRI study. *Journal of Cognitive Neuroscience*, 18, Suppl. D35.
- Burke, D. M., Stamatakis, E. A., Broderick, C., Finan, V., **Shafto, M. A.**, Osborne, G., & Tyler, L. K. (2005). Aging, tip-of-the-tongue experiences, and atrophy of the insula: A voxel-based morphometry study. *Journal of Cognitive Neuroscience*, 17, Suppl. B195.

Conference Presentations

- Shafto, M.A.**, Cam-CAN, Tyler, L.K. (2014). *Diverse Cognitive Aging: Cross-Domain Performance in the Cam-CAN Project*. Paper presented at the meeting of the Psychonomics Society, Long Beach, USA.
- Shafto, M.A.**, White, S., Cam-CAN, Tyler, L.K. (2014). *Word Finding Failures in the Cam-CAN Cohort: Lifespan Interaction of Domain-General and Domain-Specific Factors*. Paper presented at the Experimental Psychology Society Cognitive Ageing Workshop, Pershore, UK.
- Shafto, M.A.**, White, S., Cam-CAN, Tyler, L.K. (2013). *Word Finding Failures in the Cam-CAN Cohort: Lifespan Interaction of Domain-General and Domain-Specific Factors*. Paper presented at the meeting of the Psychonomics Society, Toronto, Canada
- Shafto, M.A.** (2010). *Language and memory: Impact of normal cognitive ageing*. Paper presented at the meeting of the British Society of Gerontology Conference, Brunel University, UK
- Shafto, M. A.**, Randall, B., Wright, P., & Tyler, L. K. (2010). *Lexical access in young, younger-old and older-old adults: Age-related changes in the contribution of phonology and semantics*. Paper presented at the biannual meeting of the Cognitive Aging Conference, Atlanta, USA.
- Shafto, M.A.**, Kim, T., Griffiths, J., & Tyler, L.K. (2009). *When did it all go wrong? Identifying the locus of age-related word-finding failures*. Poster presented at the 15th annual meeting of Architectures and Mechanisms of Language, Barcelona, Spain.
- Shafto, M.A.**, Stamatakis, E. A., Tam, P. P., & Tyler, L. K. (2008, September). *Senior moments and the brain: Convergent measures and an aging network*. Paper presented at the 14th annual Conference on Architectures and Mechanisms for Language Processing, Cambridge, UK.
- Shafto, M.A.** (2008, September). *Understanding word finding problems in old age: the interaction between space and time in the brain*. Paper presented at the annual Grantholder's Conference sponsored by Research into Ageing, Birmingham, UK.
- Shafto, M.A.**, Tyler, L. K., Stamatakis, E. A., Burke, D. M., & Tam, P. P. (2007, September). *Word finding problems in ageing: how does the brain cope?* Paper presented at the Strategic Promotion of Ageing Research workshop Understanding the ageing brain: linking cognitive and neural change across the lifespan.
- Shafto, M.A.**, Stamatakis, E. A., Tam, P. P., Burke, D. M., & Tyler, L. K. (2007, July). *Word-finding failures in old age: combining behavioural, functional, and structural data*. Paper presented at the meeting of the Experimental Psychology Society, United Kingdom.
- Shafto, M.A.**, Stamatakis, E. A., Tam, P. P., Burke, D. M., & Tyler, L. K. (2006, June). *Word-finding failures in old age: evidence from neuroimaging*. Paper presented at the Neuropsychology of Ageing Meeting, Crothorne, United Kingdom.
- Shafto, M.A.**, Burke, D.M., Stamatakis, E., Tam, P., Osborne, G., & Tyler, L.K. (2006, March). *Insula atrophy contributes to word-finding deficits in older adults*. Paper presented at the Meeting of the British Neuropsychological Society, Cambridge, United Kingdom.
- Shafto, M.A.**, Burke, D.M., Stamatakis, E., Broderick, C., Finan, V., Osborne, G., & Tyler, L.K. (2005, March). *Regional atrophy and language deficits in older adults*. Paper presented at the Neuropsychology of Ageing Meeting, Crothorne, United Kingdom.
- Shafto, M.A.** (2003, May). *Orthographic error monitoring in older adults*. Paper presented at the Neuropsychology of Ageing Meeting, Crothorne, United Kingdom.

Conference Posters

- Neville, D. A., Fitz, H., & **Shafto, M.** (2021). *AgeNet: A Neurobiological Model of Age-related Word Retrieval Deficits*. Poster presented at the Annual Meeting of the Cognitive Science Society.

- Shafto, M.A.**, Abrams, L., James (2021, April). *Older Adults Can Handle Funny S**T: Age and Psychosocial Variables Predict Reactions to Highly Emotional Language*. Poster presented at the Annual Meeting of the American Psychological Society.
- Shafto, M.A.**, Abrams, L., James, L.E., Hu, P., & Gray, G. (2020, November). *Relating Tabooness and Humor Ratings: What the F*** is so funny?* Poster presented at the 61st annual meeting of the Psychonomic Society, Austin, TX.
- Shafto, M.A.**, Abrams, L., James, L.E., and Cam-CAN (2018, November). *The effect of emotional responsivity on name retrieval varies across the lifespan*. Poster presented at the meeting of the Psychonomics Society, New Orleans, USA.
- James, L.E., **Shafto, M.A.**, Abrams, L., and Cam-CAN (2018, April). *Age-Related Changes in Word Retrieval Vary by Self-Reported Symptoms of Anxiety*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
- Fuhrmann, D., Nesbitt, D., **Shafto, M.**, Cam-CAN, and Kievit, R.A. (2017, September). *Cardiovascular Problems Predict Poorer White Matter Health in the Cam-CAN Adult Lifespan Cohort*. Poster presented at Cambridge Neuroscience Symposium, Cambridge UK.
- Henson, R., Tyler, L., Kievit, R., Nesbitt, D., Chan, D., CamCAN and **Shafto, M.** (2017, April) Modifiable contributors to cognitive reserve and their neural correlates. Poster presented at BNA Festival of Neuroscience, Birmingham, UK.
- James, L.E., **Shafto, M.A.**, Abrams, L., Tyler, L.K., and Cam-CAN (2016, April). *The relationship between crystallized knowledge and word retrieval: What you know won't hurt you*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
- Shafto, M.A.**, Cam-CAN & Tyler, L.K. (2015, April) *Tip-of-the-tongue states across the lifespan: Different problems for different ages?* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS2015), San Francisco.
- Campbell, K.L., **Shafto, M.A.**, Wright, P., Tsvetanov, K.A., Cusack, R., Cam-CAN, & Tyler, L.K. (2014). *Beyond the resting state: Age differences in neural networks identified during naturalistic viewing*. Poster session presented at the Annual Scientific Meeting of the Organization for Human Brain Mapping, Hamburg, Germany.
- Shafto, M. A.** & Tyler, L. K. (2014) *Diversity in successful aging: Deep cognitive phenotyping of the Cam-CAN cohort*. Poster presented at the biannual meeting of the Cognitive Aging Conference, Atlanta, USA.
- Campbell, K.L., **Shafto, M.A.**, Wright, P., Cam-CAN, & Tyler, L.K. (2013) *Beyond the resting state: Age differences in neural networks identified during naturalistic viewing*. Poster session presented at the Annual Scientific Meeting of the British Society for Research on Ageing, Norwich, UK.
- Shafto, M.A.**, Randall, B., & Tyler, L.K. (2012, November). *Proper Name Retrieval Across the Lifespan: The Impact of Semantic and Phonology Availability*. Poster presented at the meeting of the Psychonomics Society, Minneapolis.
- Zhang, J., Randall, B., Devereux, B., **Shafto, M.**, Zhuang, J., Tyler, L.K.(2010). *Age-related changes in the neural language system non-linear?* Poster presented at 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
- Shafto, M. A.**, Randall, B., Wright, P., & Tyler, L. K. (2010). *Lexical access in young, younger-old and older-old adults: Age-related changes in the contribution of phonology and semantics*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal.
- Geertzen, J., Randall, B., Williams, C., **Shafto, M.** & Tyler, L.K.(2010). *Age-related effects of syntactic complexity in spontaneous speech production*. Poster at Architectures and Mechanisms for Language Processing (AMLaP), York, UK.
- Shafto, M.A.**, Kim, T., Griffith, J., & Tyler, L.K. (2008, November). *Phonological availability and word finding failures across the lifespan*. Poster presented at the meeting of the Psychonomics Society, Chicago.
- Shafto, M.A.**, Randall, B., Tam, P.P., & Tyler, L.K. (2008, April). *Hemispheric changes in the fronto-temporal language system in younger and older adults*. Poster presented at the Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- Shafto, M. A.**, Stamatakis, E. A., Tam, P. P., & Tyler, L. K. (2007, November). *Word retrieval in old age: Integrating functional and structural neuroimaging*. Poster presented at the meeting of the Psychonomics Society, Long Beach, USA.
- Shafto, M.A.** (September, 2007). *Understanding word finding problems in old age: the interaction between space and time in the brain*. Poster presented at the annual Grantholder's Conference sponsored by Research into Ageing.
- Tam, P.P., **Shafto, M.A.**, Randall, B., & Tyler, L.K. (2006, November). *Do semantic and associative priming effects show age-related change?* Poster presented at the meeting of the Psychonomics Society, Houston, USA.
- Shafto, M. A.**, Stamatakis, E. A., Tam, P. P., Burke, D. M., & Tyler, L. K. (2006, April). *Age-related changes in activation during tip-of-the-tongue: An event-related fMRI study*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.

- Shafto, M.A.**, Stamatakis, E.A., Tam, P.P., Burke, D.M., & Tyler, L.K. (2006, April). *Age-related changes in activation during Tip-of-the-Tongue: An event-related fMRI study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- Shafto, M.A.**, Burke, D.M., Stamatakis, E., Tam, P., Osborne, G., & Tyler, L.K. (2005, November). *Older adults' tip-of-the-tongue states associated with region-specific grey matter atrophy*. Poster presented at the meeting of the Psychonomics Society, Toronto, Ontario.
- Shafto, M.A.**, Burke, D.M., Stamatakis, E., Tam, P., Osborne, G., & Tyler, L.K. (2005, November). *Insula atrophy contributes to word-finding deficits in older adults*. Poster presented at the meeting of the Society for Neuroscience, Washington, D.C.
- Burke, D.M., Stamatakis, E., Broderick, C., Finan, V., **Shafto, M.A.**, Osborne, G., & Tyler, L.K. (2005, April). *Aging, Tip-of-the-Tongue Experiences, and Atrophy of the Insula: A Voxel-based Morphometry Study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York.
- Shafto, M.A.** (2004, November). *Older adults' proofreading ability varies by error type and difficulty*. Poster presented at the meeting of the Psychonomics Society, Minneapolis, Minnesota.
- MacKay, D.G., & **Shafto, M.A.** (2003, November). *The role of semantic anomaly in Moses-like illusions*. Poster presented at the meeting of the Psychonomics Society, Vancouver, British Columbia.
- Mackay, D.G., **Shafto, M.A.**, Taylor, J.K., Marian, D.E., Abrams, L.A., & Dyer, J. (2002, November). *The Taboo Stroop and Related Effects of Emotion on Memory & Attention*. Poster presented at the meeting of the Psychonomics Society, Kansas City, Missouri.
- Shafto, M.A.**, & MacKay, D.M. (2002, April). *Age-linked asymmetries in detecting and correcting spelling errors: Empirical and theoretical implications*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
- MacKay, D.M., & **Shafto, M.A.** (2000, November). *Disruptive effects of emotion on cognition: The taboo Stroop*. Poster presented at the meeting of the Psychonomics Society, New Orleans, Louisiana.
- Shafto, M.A.**, & MacKay, D.M. (2000, April). *Improved procedures show how aging affects sentence comprehension in the Moses and Armstrong Illusions*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
- Shafto, M.A.**, & MacKay, D.M. (1999, November). *The Moses and Armstrong Illusions: Language Comprehension and Semantic Memory*. Poster presented at the meeting of the Psychonomics Society, Los Angeles, California.
- Shafto, M.A.**, & MacKay, D.M. (1998, July). *The Moses and Armstrong Illusions: Implications for language comprehension and the structure of semantic memory*. Poster presented at the meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, Oregon.
- Shafto, M.A.**, & MacKay, D.M. (1998, April). *Effects of Aging on the Moses Illusion and Related Conceptual Errors*. Poster presented at Cognitive Aging Conference, Atlanta, Georgia.

Invited Talks and Guest lectures

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| 2012 | Invited presenter, BBSRC Showcase for Industry. <i>Cam-CAN project</i> |
| 2010 | Invited departmental talk. Department of Psychology, Royal Holloway, University of London. Topic: Language and Aging. |
| 2007 | Invited seminar. <i>Age-Related Deficits in Word Retrieval: Integrating Functional and Structural Neuroimaging</i> . NASA Ames Research Centre. |
| 2004 | Invited colloquium. Department of Psychology, University of Warwick. Topic: Aging and Written Language. |
| 2003 | Invited colloquium. Department of Psychology, Royal Holloway, University of London. Topic: Language and Anomaly Detection. |
| 2003 | Invited colloquium. Department of Experimental Psychology, University of Oxford. Topic: Language and Anomaly Detection. |
| 2002 | Invited colloquium. MRC Cognition and Brain Unit, Cambridge, UK. Topic: Language and Anomaly Detection. |
| 2002 | Invited colloquium. Department of Psychology, University of California, Los Angeles. Topic: Emotion and Cognition. |
| 2000 | Cognitive Psychology Forum. Department of Psychology, University of California, Los Angeles. Topic: Emotion and Cognition. |
| 2000 | Seminar on Cognitive Aging. Department of Psychology, University of California, Los Angeles. Topic: Aging, and Amnesia. |
| 1999 | Language and Memory Symposium. Department of Psychology, Pomona College. Topic: Emotion and Cognition. |
| 1998 | Seminar on Cognitive Aging. Department of Psychology, University of California, Los Angeles. Topic: Cognitive Illusions and Aging. |

Public Engagement

- 2016 Invited speaker, Joint Kent U3A Science Groups Study Day, Your Ageing Brain: Use It or Lose It? (9 June, 2016). *Age-related changes in cognitive functioning*.
- 2016 Guest on BBC Radio 4 Programme "Word of Mouth", *Tip of the Tongue*, <http://www.bbc.co.uk/programmes/b071tqc0>
- 2015 Invited speaker at Canterbury Festival, 26 Oct 2015. *The secrets of a successful ageing brain*
- 2011-15 Contributor to Cambridge Centre for Ageing and Neuroscience Newsletters (www.cam-can.com)
- 2004-13 Presenter at Cambridge Science Festival, Department of Psychology, University of Cambridge.
- 2011 Invited speaker at Cheltenham Science Festival, 8 June 2011. *Your Aging Brain*.
- 2009 Prepared materials for Channel 4 dispatches taping, "Too old to work"
- 2009 Interview with Strategic Promotion of Ageing Research Capacity (download page: http://www.sparc.ac.uk/downloads_audio.asp)
- 2007 Invited speaker for Cambridge Help the Aged event, 11 Oct 2007. *The Ageing Mind and Brain: Looking at language, it's not all downhill*

Reviewing and Editorial Experience

- Action Editor, *Language, Cognition, and Neuroscience* (from 2016- present)
- Program Committee Member and meta-reviewer, Cognitive Science Society (CogSci 2019, CogSci 2020)
- Co-Editor, *International Journal of Environmental Research and Public Health* Special issue "Aging and Cognition" (finished December, 2015)
- **Journals reviewed for:** Aging, Neuropsychology, and Cognition; Cognition; Cortex; Dementia and Geriatric Cognitive Disorders; Experimental Ageing Research; Frontiers in Psychology; JEP: Learning, Memory, and Cognition; Journal of Cognitive Neuroscience; Journal of Gerontology: Psychological Science; Language and Cognitive Processes; Language and Linguistic Compass; Memory; Neurobiology of Aging; Neuroimage; Psychology and Aging; Psychological Science; PLoS ONE
- **Institutions reviewed for:** Cognitive Science Society; Research into Ageing/Age UK; ESRC; BBSRC; National Science Foundation

Professional Memberships

British Society for Research on Ageing (Member from 2008)
Cognitive Neuroscience Society (Member from 2004)
Experimental Psychology Society (Member from 2013)
Gerontological Society of America (Member from 2011)
Psychonomics Society (Fellow from 2013)
Cognitive Science Society (Member from 2019)
American Psychological Society (Member from 2020)

Computing skills

- Microsoft Office applications including Word, Excel, and PowerPoint
- Behavioural analysis: SPSS, R, and Matlab
- Structural MR, fMRI, and MEG analyses: Statistical Parametric Mapping (SPM) and affiliated toolboxes (predominately Matlab-based).
- Experiment presentation: Eprime; some experience with Matlab, Superlab, and Qualtrics
- Database management: Microsoft Access
- Website and Wiki: some experience with html, wordpress, mediawiki and Atlassian Confluence