

KATIE ANN PETERSON

EDUCATION

- 2013 – 2017 **Ph.D., Medical Science (Psychiatry)**
Department of Psychiatry, University of Cambridge
Supervisors: Prof Barbara J. Sahakian and Prof John D. Pickard
Thesis title: *Cognition and apathy in normal pressure hydrocephalus*
- 2008 – 2012 **MA (Hons), Psychology**
School of Psychology, University of Dundee
Research project supervised by Professor Trevor A. Harley
Degree award: 1st class (Hons)

RESEARCH EXPERIENCE

- 2017 – **Research Associate**
Department of Clinical Neurosciences, University of Cambridge
Supervisors: Prof James B. Rowe and Prof Karalyn E. Patterson
Development and validation of the multilingual Mini Linguistic State Examination for classifying primary progressive aphasia
- 2011 – 2012 **Undergraduate Research Assistant**
School of Psychology, University of Dundee

SKILLS/TRAINING

Clinical experience

Neuropsychological, neuropsychiatric, and language assessment: cerebrospinal fluid disorders, behavioural variant frontotemporal dementia, Alzheimer's disease, primary progressive aphasia, progressive supranuclear palsy, and corticobasal syndrome
Other research experience including recruitment and testing: stroke, brain tumour, traumatic brain injury

Research ethics

Good Clinical Practice, IRAS NHS ethics application, Psychology research ethics application

Neuroimaging acquisition and analysis

Structural MRI acquisition; MRI analysis: Freesurfer, FSL, SPM, UNIX scripting, manual subcortical segmentation (ITK-SNAP)

Data management/analysis and experimental programming

RStudio, SPSS, Cedrus SuperLab, REDCap

Web development

HTML, CSS

Scientific writing, editing, proofreading, reviewing

PEER-REVIEWED PUBLICATIONS

- Peterson, K.A.,** Patterson, K., & Rowe, J. B. (2019). Language impairment in progressive supranuclear palsy and corticobasal syndrome. *Journal of Neurology*, 1-14. doi: 10.1007/s00415-019-09463-1
- Savulich, G., Thorp, E., Piercy, T., **Peterson, K.A.,** Pickard, J.D., & Sahakian, B.J. (2019). Improvements in attention following cognitive training with the novel “Decoder” game on an iPad. *Frontiers in Behavioural Neuroscience*, doi: 10.3389/fnbeh.2019.00002
- Peterson, K.A.,** Mole, T.B., Keong, N.C.H., DeVito, E.E., Savulich, G., Pickard, J.D., & Sahakian, B.J. (2019). Structural correlates of cognitive impairment in normal pressure hydrocephalus. *Acta Neurologica Scandinavica*, 139(3), 305-312. doi: 10.1111/ane.13052
- Peterson, K.A.,** Savulich, G., Jackson, D., Killikelly, C., Pickard, J.D., & Sahakian, B.J. (2016). The effect of shunt surgery on neuropsychological performance in normal pressure hydrocephalus: a systematic review and meta-analysis. *Journal of Neurology*, 263(8), 1669-1677. doi:10.1007/s00415-016-8097-0
- Peterson, K.A.,** Housden, C.R., Killikelly, C., DeVito, E.E., Keong, N.C., Savulich, G., Czosnyka, Z., Pickard, J.D., & Sahakian, B.J. (2016). Apathy, ventriculomegaly and neurocognitive improvement following shunt surgery in normal pressure hydrocephalus. *British Journal of Neurosurgery*, 30(1), 38-42. doi:10.3109/02688697.2015.1029429

FORTHCOMING PUBLICATIONS

- Patel, N., **Peterson, K.A.,** Ingram, R., Storey, I., Cappa, S.F., Catricala, E., Patterson, K.E., Lambon Ralph, M.A., Rowe, J.B., & Garrard, P. The Mini Linguistic State Examination (MLSE): a brief but accurate assessment tool for classifying Primary Progressive Aphasias. (*Under review, preprint available: <https://www.medrxiv.org/content/10.1101/2020.06.02.20119974v1>*)
- Peterson, K.A.,** Jones, P.S., Tsvetanov, K.A., Patel, N., Ingram, R., Lambon Ralph, M.A., Patterson, K., Garrard, P., & Rowe, J.B. The screening and anatomy of aphasia in progressive supranuclear palsy and corticobasal syndrome. (*In preparation*)

SELECTED PRESENTATIONS

- Peterson, K.A.,** Patel, N., Barrick, T., Cappa, S.F., Catricalà, E., Halai, A., Ingram, R., Lambon Ralph, M.A., Patterson, K.E., Rowe, J.B., & Garrard, P. (2018) Development of the standardised, multilingual Mini Linguistic State Examination (MLSE) to classify and monitor primary progressive aphasia. *The Alzheimer's Association International Conference 2018*. Chicago, Illinois, United States. Poster presentation.
- Peterson, K.A.,** Patel, N., Barrick, T., Cappa, S.F., Halai, A., Ingram, R., Lambon Ralph, M.A., Patterson, K.E., Rowe, J.B., & Garrard, P. (2018) Language impairment in progressive supranuclear palsy and corticobasal syndrome. *The Alzheimer's Association International Conference 2018*. Chicago, Illinois, United States. Poster presentation.
- Peterson, K.A.,** Barrick, T., Cappa, S.F., Catricalà, E., Lambon Ralph, M.A., Patel, N., Patterson, K.E., Rowe, J.B., & Garrard, P. (2017) Development of the standardised Mini Linguistic State Examination (MLSE) to classify and monitor primary progressive aphasia. *Cambridge Neuroscience Seminar*. Cambridge, UK. Poster presentation.
- Peterson, K.A.** (2015) Cognition, motivation, and apathy following brain injury. *The 1st Annual Cambridge Psychiatry Graduate Symposium*. Cambridge, UK. Oral presentation.

Peterson, K.A., Housden, C.R., Killikelly, C., DeVito, E.E., Keong, N.C., Savulich, G., Czosnyka, Z., Pickard, J.D., & Sahakian, B.J. (2014). Apathy, ventriculomegaly and neurocognitive improvement following shunt surgery in normal pressure hydrocephalus. *The British Association for Psychopharmacology (BAP) Summer Meeting 2014*. Cambridge, UK. Poster presentation.

Peterson, K.A., & Harley, T.A. (2012). Does crime pay or do good deeds lead to heaven? The influence of priming, framing, and executive function on moral judgements. *British Psychological Society (Scotland) Conference for Undergraduate Research Projects*. Glasgow, UK. Oral presentation.

AD-HOC REVIEWER

Journal of Neuroscience, Psychological Medicine, Neurobiology of Aging, Parkinsonism & Related Disorders, Journal of the International Neuropsychological Society, Journal of Geriatric Psychiatry and Neurology, SAGE Open Medicine

TEACHING EXPERIENCE

2017/18	Final year research project co-supervision of a Psychology undergraduate
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VOLUNTEERING

2015 – 2016	Green Impact Project Assistant Department of Psychiatry, University of Cambridge
2011 – 2012	Student mentor School of Psychology, University of Dundee
2011	Undergraduate Voluntary Research Assistant School of Psychology, University of Dundee
2006 - 2007	Befriender/ volunteer Lerwick, Shetland Islands; Scalloway, Shetland Islands