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# 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: 1<sup>st</sup> 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: FSL, SPM, Freesurfer, UNIX scripting, manual subcortical segmentation (ITK-SNAP)

### Data analysis and experimental programming

SPSS, Meta-analysis, Cedrus SuperLab

### Scientific writing, editing, proofreading, reviewing

## PUBLICATIONS

- 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

## 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 1<sup>st</sup> 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.

**TEACHING EXPERIENCE**

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

**AWARDS**

2014                      Public Vote Best Poster, Lucy Cavendish College Graduate Research Day, Cambridge

**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

**MEMBERSHIPS**

2013 – 2016                      British Association for Psychopharmacology, Training member

2018                      The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)