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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

- 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
- 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. *Proceedings of the 2012 BPS Scottish Branch Undergraduate Student Conference* (Abstract)
- In preparation: *Structural correlates of cognitive impairment in normal pressure hydrocephalus; Language impairment in progressive supranuclear palsy and corticobasal syndrome: a review*

## SELECTED PRESENTATIONS

- 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.,** Savulich, G., Jackson, D., Killikelly, C., Pickard, J.D., & Sahakian, B.J. (2015) Normal pressure hydrocephalus – a reversible dementia? Systematic review and meta-analysis of cognitive outcome following shunt surgery. *Cambridge Neuroscience Seminar*. Cambridge, UK. Poster 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
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## AWARDS

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

2015 – 2016	<b>Green Impact Project Assistant</b> Department of Psychiatry, University of Cambridge
2011 – 2012	<b>Student mentor</b> School of Psychology, University of Dundee
2011	<b>Undergraduate Voluntary Research Assistant</b> School of Psychology, University of Dundee
2007	<b>Befriender/ volunteer</b> Walter & Joan Gray care home, Scalloway, Shetland
2006	<b>Befriender</b> Anderson High School, Lerwick, Shetland

**MEMBERSHIPS**

2013 – 2016	British Association for Psychopharmacology, Training member
2018	The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)