

# Steven Paul Errington | Curriculum Vitae

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## Education

**PhD Psychological Sciences** — Vanderbilt University, Nashville. Aug 2017 - Present

Program: Cognition and Cognitive Neuroscience

Area: *Neural mechanisms of performance monitoring in the primate medial frontal cortex.*

**MRes Neuroscience** — Newcastle University, Newcastle-upon-Tyne. Jul 2013 to Dec 2014

Grade: Pass w/Merit

Thesis title: *Understanding the relationship between visual hallucinations, visuo-perceptual function and attention: a Masters in Research student pilot study*

**BSc (Hons) Psychology** — Northumbria University, Newcastle-upon-Tyne. Sept 2010 to Jul 2013

Grade: First-Class Honours

Thesis title: *Hemispherical differences in emotional processing in healthy adults: a personality-controlled, tDCS study.*

## Research Experience

**Research Assistant** — Institute of Neuroscience, Newcastle University, Newcastle-upon-Tyne. Jun 2016 to present

Project: *Sensitivity of people with Parkinson's Disease to different intensities of Emotions (SPIEs).*

Skills developed: competency in psychophysical methods and analysis, MATLAB programming, testing in clinical populations (Parkinson's disease), & using affective facial processing tasks.

**Research Intern** — Institute of Neuroscience, Newcastle University, Newcastle-upon-Tyne. Dec 2010 to Apr 2016

Projects: (a) *Modelling vision in the praying Mantis (Sphodromantis lineola);* (b) *investigating intraocular latency in humans.*

Skills developed: competency in psychophysical methods (staircasing & method of constant stimuli), behaviour modelling, & using MATLAB software.

**Research Intern** — Institute for Ageing & Vitality, Newcastle University, Newcastle-upon-Tyne. Sept 2014 to Jan 2015

Projects: *Understanding the relationship between visual hallucinations, visuo-perceptual function and attention.*

Skills developed: testing clinical populations (Dementia), developing and using a computerised task battery & preparing and maintaining documentation for setting up and running a clinical research study.

**Research Intern** — Institute of Health & Society, Newcastle University, Newcastle-upon-Tyne. Sept 2012 to Feb 2014

Projects: *Socio-economic factors in the epidemiology of (a) testicular cancer and (b) melanoma in children & young people.*

Skills developed: Competency in the use of advanced statistical analysis, statistical modelling, epidemiology, python language & STATA statistical software.

**Research Intern** — Department of Psychiatry, University of Oxford, Oxford. Jun 2012 to Aug 2012

Project: *The role of prebiotics in emotional processing in healthy adults.*

Skills developed: Competency in research design, recruitment, psychopharmacological methods, & in utilising and analysing affective cognitive tasks.

# Teaching Experience

**Graduate Demonstrator** — Newcastle University, Newcastle-upon-Tyne. Oct 2014 to present  
Course: BSc Psychology (Modules: PSY1010, PSY1011, PSY2009)  
I assist students in their first & second year undergraduate lab-classes. In these classes, I provided expertise and advise to students on study design and statistical analysis across a range of research areas. I am also responsible for the grading of assignments and providing constructive feedback to students.

# Awards, Funding & Grants

**Travel Grant**, £2000, Biomedical Research Unit, Newcastle University & Alzheimer's Research UK. Nov 2015  
**Vacation Scholarship Award**, £1920, Newcastle University. Jul 2015  
**NIHR Biomedical Research Unit MRes Studentship**, £5500, Newcastle University. Aug 2013  
**Biomedical Vacation Scholarship**, £1440, Wellcome Trust. Jun 2012

# Courses

**Responsible Conduct of Research (RCR)** , Vanderbilt University Aug 2017  
**Introduction to the ACCRE Cluster**, Vanderbilt University Aug 2017  
**Introduction to UNIX**, Vanderbilt University Aug 2017  
**Herpes B Virus Training**, Vanderbilt University July 2017  
**Working with the IACUC**, Vanderbilt University July 2017  
**Introduction to Working with Non-Human Primates**, Vanderbilt University Jul 2017  
**Introduction to Learning & Teaching in Higher Education**, Newcastle University Nov 2014  
**Adults Lacking Capacity**, NHS Health Research Authority Apr 2014  
**Good Clinical Practice**, NHS Health Research Authority Dec 2013  
**Biological Safety**, Newcastle University Oct 2013

## Publications

Tarawneh, G., Nityananda, V., Rosner, R., **Errington, S.**, Herbert, W., Arranz-Paraíso, S., Busby, N., Tampin, J., Read, J. C. A., & Serrano-Pedraza, I. (2017). How Insects Combine Information across Spatial Scales. *Biology Open*. \*

Tarawneh, G., Nityananda, V., Rosner, R., **Errington, S.**, Herbert, W., Cumming, B., Read, J. C. A. & Serrano-Pedraza, I. (2017). When invisible noise obscures the signal: the consequences of nonlinearity in motion detection. *Scientific Reports*.

Nityananda, V., Tarawneh, G., **Errington, S.**, Serrano-Pedraza, I., & Read, J. C. A. (2016). The optomotor response of the praying mantis is driven predominantly by the central visual field. *Journal of Comparative Physiology A*.

McNally, R. J., Basta, N. O., **Errington, S.**, James, P. W., Norman, P. D., Hale, J. P., & Pearce, M. S. (2015). Socioeconomic patterning in the incidence and survival of teenage and young adult men aged between 15 and 24 years diagnosed with non-seminoma testicular cancer in northern England. *Urologic Oncology: Seminars and Original Investigations*, 33 (12), 506-509.

Schmidt, K. J., Cowen, P., Harmer, C.J., Tzortzis, G., **Errington, S. P.**, & Burnet, P. W. J. (2015). Prebiotic intake reduces the waking cortisol response and alters emotional bias in healthy volunteers. *Psychopharmacology*, 1(19).

McNally, R. J., Basta, N. O., **Errington, S.**, James, P. W., Norman, P. D., & Craft, A. W. (2014). Socioeconomic Patterning in the Incidence and Survival of Children and Young People Diagnosed with Malignant Melanoma in Northern England. *Journal of Investigative Dermatology*, 134(11), 2703-2708. \* article currently under review

## Conference Presentations

**Errington, S. P.**, Elder, G., Collerton, D., Firbank, M.J., & Taylor, J.P. (2015, December). *Visual hallucinations, attention and visuo-perceptual function in Lewy body dementia*. Poster presented at the International Dementia with Lewy Body Conference, Fort Lauderdale, FL.