Danielle Smith

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Education

2012 – 2015 (expected)	**PhD in Psychology, University of Nottingham** *Supervised by Harriet A. Allen and Danielle Ropar* My PhD focuses on characterising depth perception in autistic individuals, using a mixture of psychophysical and novel real-world paradigms to examine neural integration and feedback in both children and adults.
2011 – 2012	**MSc in Psychological Research Methods, University of Nottingham [Distinction]** *Thesis: Investigating the contribution of individual differences in stereoacuity and cue combination to perception and action.* This masters course focused upon research methods, including experimental design and statistical analysis. A number of optional modules were taken that focused on the analysis of larger datasets, providing a thorough grounding in Principal Components Analysis, Measurement Modelling and Structural Equation Modelling.
2007 – 2011	**BSc in Psychology, University of St Andrews [Classification: 2i]** *Dissertation: Monocular depth judgements in the presence of a reference figure.*

Publications

Smith, D., Ropar, D. & Allen, H.A. (submitted) Visual integration in autism. *Frontiers in Human Neuroscience*

Grants and awards

Sep 2011	**Economic and Social Research Council Studentship** - Fully-funded 1+3 PhD studentship awarded by the Economic and Social Research Council (approx. £55,000)

Teaching and supervision

Sep 2011 – ongoing	**University of Nottingham, UK** *Lab class demonstrator* I facilitate undergraduate practical classes, including teaching PsychoPy and SPSS. I also mark lab reports and essays. *3rd year undergraduate project supervision* I designed and aided with the implementation of a project for a third year psychology dissertation. I supervised the student throughout.

Skills

MATLAB & Python	I am an experienced programmer in both MATLAB and Python and can write scripts to run and analyse psychophysical experiments.
Psychological testing	I am a trained autism diagnostic observation schedule (ADOS) examiner at all levels. I am experienced in the administration of the Wechsler Abbreviated Scale of Intelligence (WASI) and the British Picture Vocabulary Scale (BPVS).
Kinematic analysis	I have designed and ran experiments which use the Polhemus Liberty motion-tracking system. I have written advanced analysis scripts that process and analyse raw kinematic data in both R and MATLAB.

Service and outreach

Mar 2012 – ongoing	**Summer Scientist Week Organising Committee** Summer Scientist Week is a community event run by the University of Nottingham to promote learning about psychology. 500 children typically attend this event. I am responsible for the general organising of the event, including communication of research to the general public, young adults, and children.
Jan 2012 – ongoing	**Nottingham Autism Social Group** I volunteer as a facilitator of a monthly social group for individuals with autism, which involves organising group activities and supporting the individual needs of group members.

Oral and poster conference presentations

Smith, D., Ropar, D. & Allen, H.A. (2014, December) Depth cue integration is automatic in individuals with autism spectrum disorder. *Talk given at the Applied Vision Association Christmas Meeting, London, UK*

Smith, D., Allen, H.A. & Ropar, D. (2014, September) The influence of low- and high-level perceptual cues on shape constancy in typical and autistic individuals. *Talk given at the British Psychological Society Developmental Section Annual Conference, Amsterdam, Netherlands*

Smith, D., Ropar, D. & Allen, H.A. (2014, April) Children and adults use prior knowledge and stereo cues differently when making shape judgements *Poster presented at the Applied Vision Association Annual General Meeting, York, UK*

Smith, D., Allen, H.A. & Ropar, D. (2013, September) Depth cue priors are modulated by stereoacuity *Poster presented at the European Conference on Visual Perception, Bremen, Germany*

Smith, D., Ropar, D. & Allen, H.A., (2012, June) The role of occlusion in the judgement of relative depth. *Poster presented at the Multisensory Integration Meeting, Birmingham, UK*

Harris, J. M. & **Smith, D.** (2010, June) A cross-correlation model of disparity extraction. *Poster presented at the OCCAM Computational Neuroscience Workshop, Oxford, UK*

Harris, J. M. & **Smith, D.** (2009, May) Biases and thresholds for depth perception from monocular regions of binocular scenes. *Talk given at the Vision Sciences Society Meeting, Florida, USA*