

Stacey Aston

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POSITIONS

RESEARCH ASSOCIATE

Project: Learning to perceive and act under uncertainty

PIs: Dr Marko Nardini & Dr Ulrik Beierholm
 2017-Present | Durham University, UK

EDUCATION

PHD, COLOUR VISION

Thesis: Using an Illumination Discrimination Paradigm to Investigate the Role of Illumination Priors in Colour Perception

Supervisors: Prof Anya Hurlbert
 2014-2017 | Newcastle University, UK

MRES, NEUROSCIENCE

Project: Studies on the Human Visual System

Supervisors: Prof Anya Hurlbert, Dr Hamish McAllister-Williams, Dr Mark Cunningham
 2013-2014 (Distinction) | Newcastle University, UK

MPHIL, PURE MATHEMATICS

Thesis: Some Subgroups of the Modular Group and Wicks Forms

Supervisors: Dr Alina Vdovina, Dr Andrew Duncan
 2011-2013 | Newcastle University, UK

MMATH, MATHEMATICS AND STATISTICS

Project: Results in Additive Combinatorics

Supervisor: Dr Michael Dritschel
 2007-2011 (First Class Honours) | Newcastle University, UK

SUMMER SCHOOLS

EEGLAB, Sheffield, UK | 2015

Colour Vision (ICVS), Oxford, UK | 2016

Visual Neuroscience, Germany | 2016

PROGRAMMING

MATLAB • Python • R • L^AT_EX

AWARDS

IoN Poster Prize, 2015

PUBLICATIONS

Aston, S., Beierholm, U., Nardini, M. (in prep). Learning and Combining Novel Perceptual Cues.

Kiryakova, R., **Aston, S.**, Beierholm, U., Nardini, M. (in prep). Bayesian transfer in a complex spatial localisation task.

Aston, S., Jordan, G., & Hurlbert, A. (in prep). Illumination discrimination in red-green colour vision deficiencies.

Aston, S., Olkkonen, M., & Hurlbert, A. (in prep). Memory effects, central tendency, serial dependency or just task bias? An investigation using illumination hue discrimination.

Aston, S., Radonjic, A., Brainard, D. H., & Hurlbert, A. C. (2019). Illumination discrimination for chromatically biased illuminations: implications for colour constancy. *Journal of Vision*

Radonjic, A., Ding, D., Krieger, A., **Aston, S.**, Hurlbert, A. C., & Brainard, D. H. (2018). Illumination discrimination in the absence of a fixed surface-reflectance layout. *Journal of Vision*

Aston, S., & Hurlbert, A. C. (2017). What #the Dress reveals about the role of illumination priors in color perception and color constancy. *Journal of Vision*

Radonjic, A., Pearce, B., **Aston, S.**, Krieger, A., Dubin, H., Cottaris, N. P., Brainard, D. H., & Hurlbert, A. C. (2016). Illumination discrimination in real and simulated scenes. *Journal of Vision*

TALKS

Aston, S., Beierholm, U., Nardini, M. (2019). Learning and Combining Novel Perceptual Cues. SVG, Skye.

Aston, S. (2017). Memory effects, central tendency, serial dependency or just task bias? An investigation using illumination hue discrimination. *ECVP, Berlin*.

Aston, S. (2016). Constant differences: modelling inter-individual variations in colour constancy. *Durham Vision Meeting, Durham*.

Aston, S. (2016). The limits of human illumination discrimination ability. *Colouring the Future Summer School, Tuebingen*.

Aston, S. (2016). Are we at the bottom of the stairs? A test of staircase convergence. *Adventures in Staircases Workshop, Newcastle. (Co-organiser)*.

RECENT POSTERS

Aston, S., Barnes, S., Beierholm, U., Nardini, M. (2018). Learning and Combining Novel Perceptual Cues. *ECVP, Trieste*.

Aston, S., Olkkonen, M., & Hurlbert, A. (2017). Memory Bias for Illumination Colour. *VSS, Florida*.