

Zoey J. Isherwood

Department of Psychology, University of Nevada, Reno, NV 89557, USA

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research interests: visual perception, natural scene statistics, colour vision

skills at a glance: fMRI and psychophysics

EDUCATIONAL QUALIFICATIONS

UNSW Sydney (Sydney, Australia) 2014 to 2018
PhD

Thesis title: A BOLD approach to natural scene statistics
Supervisors: Prof. Branka Spehar and Dr. Mark Schira

UNSW Sydney (Sydney, Australia) 2010 to 2013
Bachelor of Science (Honours Class I), Major: Neuroscience

RESEARCH EXPERIENCE

University of Nevada, Reno 2020/03 to present
Postdoctoral Scholar

University of Wollongong 2018/05 to 2020/01
Postdoctoral Research Associate

Neuroscience Research Australia 2012/05 to 2018/05
Research Assistant (Casual)

Canon Information Systems Research Australia
Research Associate (Part time) 2017/07 to 2017/11

RIKEN Brain Science Institute
Research Intern (Full time) 2014/06 to 2014/08

UNSW Sydney
Research Assistant (Full time) 12/2013 to 06/2014

AWARDS AND FUNDING

- 1) V-VSS Elsevier/Vision Research Travel Award, 2021.
Awarded funds to cover conference presenter fees.
- 2) International Colour Vision Society (ICVS) Summer School Prize, 2020. *Awarded 2 years ICVS membership.*
- 3) UNSW Sydney Dean's Award for Outstanding PhD Theses, 2019.
- 4) Australian Postgraduate Award (APA), 2014 — 2018.
Awarded \$24,392 AUD per annum.

- 5) Sydney Postgraduate Psychology Conference (SPPC) Best Presentation Award, 2017. *Awarded \$200 AUD.*
- 6) UNSW Sydney Postgraduate Research Support Scheme Travel Funds, 2015. *Awarded \$2,820 AUD.*
- 7) Asia-Pacific Conference on Vision (APCV) Student Travel Award, 2014. *Awarded ¥100,000 JPY.*
- 8) School of Psychology (University of Wollongong) Summer Scholarship, 2013 — 2014. *Awarded \$4,000 AUD.*

KEY PUBLICATIONS

- Tregillus, K.E.M., **Isherwood, Z.J.**, Vanston, J.E., Engel, S.A., MacLeod, D.I.A., Kuriki, I., Webster, M.A. (2021). Color compensation in anomalous trichromats assessed with fMRI. *Current Biology*, 31, 1-7. doi: 10.1016/j.cub.2020.11.039.
- Isherwood, Z.J.**, Joyce, D.S., Kuppuswamy Parthasarathy, M., Webster, M.A. (2020). Plasticity in perception: insights from color vision deficiencies. *Faculty Reviews*, 9(8). doi: 10.12703/b/9-8.
- Puckett, A.M., Schira, M.M., **Isherwood, Z.J.**, Victor, J.D., Roberts, J.A., Breakspear, M. (2020). Manipulating the structure of natural scenes using wavelets to study the functional architecture of perceptual hierarchies in the brain. *NeuroImage*, 221, 117173. doi: 10.1016/j.neuroimage.2020.117173.
- Mancini, F., Wang, A.P., Schira, M.M., **Isherwood, Z.J.**, McAuley, J.H., Iannetti, G.D., Sereno, M.I., Moseley, G.L., Rae, C.D. (2019). Fine-grained mapping of cortical somatotopies in chronic complex regional pain syndrome. *Journal of Neuroscience*, 39(46), 9185-9196, doi: 10.1523/JNEUROSCI.2005-18.2019.
- Isherwood, Z.J.**, Schira, M.M., Spehar, B. (2017). The tuning of human visual cortex to variations in the 1/f^a amplitude spectra and fractal properties of synthetic noise images. *NeuroImage*, 146, 642-657. doi: 10.1016/j.neuroimage.2016.10.013.

Additional information available here: www.linkedin.com/in/zoeyisherwood

References available upon request