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Shannon M. Locke

Education & Research

2014-19 : **New York University**
PhD Candidate in Psychology (Cognition & Perception)
Thesis title: *Perception and Confidence in Dynamic Environments*
PhD supervisors: Michael S. Landy, Pascal Mamassian, & Eero P. Simoncelli

2014 : **University of Sydney**
Research Assistant (Psychology)
Supervisors: David Alais & Alex Holcombe

2010-13 : **University of Sydney**
Bachelor of Science (Physiology & Psychology)
Thesis title: *Auditory Motion Perception*
Honours supervisor: Simon Carlile

Publications

Locke, S. M., Landy, M. S. (2017) "Temporal Causal Inference With Stochastic Audiovisual Sequences." *PLoS ONE*: 12(9), e0183776.

Alais, D., **Locke, S. M.**, Leung, J., and Van der Burg, E. (2016) "No attentional capture from invisible flicker." *Scientific Reports*: 6, 29296.

Locke, S. M., Leung, J., and Carlile, S. (2016) "Sensitivity to Auditory Velocity Contrast." *Scientific Reports*: 6, 27725.

Feinkohl, A., **Locke, S. M.**, Leung, J., & Carlile, S. (2014) "The effect of velocity on auditory representational momentum." *Journal of the Acoustical Society of America*, 136, EL20.

Conferences

2017 Locke, S. M., Landy, M. S., Mamassian, P. & Simoncelli, E. P. The Temporal Dynamics of Meta-Cognition in a Continuous Visuomotor Task (poster). Presented at *Annual Conference on Cognitive Computational Neuroscience* in New York, NY.

2017 Locke, S. M., Landy, M. S., Mamassian, P. & Simoncelli, E. P. Dynamic Visual Localization With Moving Dot Clouds (poster). Presented at *Vision Sciences Society Annual Meeting* in St. Pete Beach, FL.

2016 Locke, S. M., & Landy, M. S. Spatiotemporal Factors in Audiovisual Rate-Discrimination (poster). Presented at *Vision Sciences Society Annual Meeting* in St. Pete Beach, FL. Also presented at *Collaborative Research in Computational Neuroscience Conference* in Paris, France.

2015 Locke, S. M., Leung, J., & Carlile, S. Perceiving Velocity Changes in Auditory Motion (poster). Presented at *Association for Research in Otolaryngology 38th Midwinter Meeting* in Baltimore, MD.

2015 Carlile, S., Leung, J., Locke, S. M., & Burgess, M. Hearing motion in motion (talk). Presented at *Acoustical Society of America Annual Meeting* in Pittsburgh, PA.

2014 Locke, S. M., Feinkohl, A., Leung, J., & Carlile, S. The Auditory Representational Momentum Effect (talk). Presented at *11th Australasian Auditory Neuroscience Workshop* in Adelaide, SA.

2013 Locke, S. M., Feinkohl, A., Leung, J., & Carlile, S. The Auditory Representational Momentum Effect (poster). Presented at *The 4th UWS Sensory Neuroscience Symposium* in Sydney, NSW. Also presented at *The Bosch Institue Young Investigators Symposium* in Sydney, NSW.

Funding

2014-19 Henry M. MacCracken Fellowship, *New York University*

2014-17 Frank Knox Memorial Fellowship (declined), *Harvard University*

2016 Dean's Student Travel Grant, *New York University*

2014 Engberg Fellowship, *Department of Psychology, New York University*

2012 Summer Vacation Scholarship, *School of Medical Sciences, University of Sydney*

2011 Summer Research Scholarship, *School of Medical Sciences, University of Sydney*

2010-13 Access Scholarship, *University of Sydney*

2010-13 National Scholarship, *University of Sydney*

Awards and Honours

2013 University Medal, *University of Sydney*

2013 Colin Dunlop Prize in Physiology, *School of Medical Sciences, University of Sydney*

2012 YE Knight Neuroscience Essay Prize, *School of Medical Sciences, University of Sydney*

2012 Top Student Prize in Perception (PSYC3013), *School of Psychology, University of Sydney*

Mentoring and Leadership

Academic supervision: Nadia Hosseini (RA, 4 months), Damaris Rothe (RA, 3 months)

2017 Volunteer Science Advocate, *BraiNY, SfN*

2017 Mentor for the 1000 Girls 1000 Futures Program, *New York Academy of Sciences*

2013 Mentor for the Faculty of Science Peer Program, *University of Sydney*

2013 Volunteer for the Great Australian Byte Science Outreach Program, *University of Sydney*

2008 Long Tan Leadership and Teamwork Award, *Australian Defence Force*

Programming Languages and Software Packages

MATLAB, R, LaTeX