

# Shannon M. Locke

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Post-doctoral researcher  
Laboratoire des Systèmes Perceptifs  
Département d'Études Cognitives  
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## Employment

**2019-21 Post-doc:** Laboratoire des Systèmes Perceptifs (Pascal Mamassian) ~ École Normale Supérieure

## Education

**2019:- PhD:** cognition & perception (Michael S. Landy) ~ New York University

**2017:- Master of Arts:** psychology (Michael S. Landy) ~ New York University

**2014:- Research Assistant:** psychology (David Alais, Alex Holcombe) ~ University of Sydney

**2013:- Bachelor of Science:** physiology & psychology (Simon Carlile) ~ University of Sydney

## Preprints

**2019** Locke, S. M., Mamassian, P. & Landy, M. S. "Performance Monitoring for Sensorimotor Confidence: A Visuomotor Tracking Study." *BioRxiv*: ???.

**2019** Locke, S. M., Gafin-Cahn, E., Hosseinizadeh, N., Mamassian, P. & Landy, M. S. "Priors and Payoffs in Confidence Judgments." *BioRxiv*: 703082.

## Publications

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

**2016** Alais, D., Locke, S. M., Leung, J., & Van der Burg, E. "No Attentional Capture From Invisible Flicker." *Scientific Reports*: 6, 29296.

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

**2014** Feinkohl, A., Locke, S. M., Leung, J., & Carlile, S. "The Effect of Velocity on Auditory Representational Momentum." *Journal of the Acoustical Society of America*, 136, EL20.

## Conferences

- 2018** Locke, S. M., Landy, M. S., & Mamassian, P. Sequential Effects in Confidence (poster). Presented at *Vision Sciences Society Annual Meeting* in St. Pete Beach, FL.
- 2018** Gaffin-Cahn, E., Locke, S. M., Hosseinizadeh, N., Mamassian, P., & Landy, M. S. Assessing the Role of Rewards and Priors on Confidence Judgments (talk). Presented at *Vision Sciences Society Annual Meeting* in St. Pete Beach, FL.
- 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.
- 2016** Locke, S. M., & Landy, M. S. Spatiotemporal Factors in Audiovisual Rate-Discrimination (poster). 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.
- 2013** Locke, S. M., Feinkohl, A., Leung, J., & Carlile, S. The Auditory Representational Momentum Effect (poster). Presented at *The Bosch Institute Young Investigators Symposium* in Sydney, NSW.

## Funding

- 2019-21** Post-Doctoral Fellowship, *Fondation Fyssen*
- 2014-19** Henry M. MacCracken Fellowship, *New York University*
- 2018** Student Senators Council's Travel Grant, *New York University*
- 2014-17** Frank Knox Memorial Fellowship (declined), *Harvard University*
- 2016** Dean's Student Travel Grant, *GSAS, 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*

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

### **Teaching**

**2018** Instructor, Undergraduate Perception (Summer)

**2017** Teaching Assistant, Undergraduate Perception (Fall)

### **Mentoring and Leadership**

**Academic Supervision:** Nadia Hosseini (RA, 6 months), Damaris Rothe (RA, 6 months)

**2017-18** 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*

### **Misc**

#### **Programming / Software Skills:**

MATLAB, R, L<sup>A</sup>T<sub>E</sub>X, Tikz/Pgfplots, Psychtoolbox, EyeLink.

#### **Organisations:**

Vision Sciences Society, New York Academy of Sciences, BraiNY, NYU Cog Collective Committee.

**PhD-Level Courses Completed:** Perception, Visual Neuroscience, Cognitive Neuroscience, Neuroeconomics and Decision-making, MathTools for Cognitive Science and Neuroscience, Psychophysics, Bayesian Data Analysis, Neuroanatomy.