

---

## JOSHUA J. FOSTER

Department of Psychology | Institute for Mind and Biology  
University of Chicago  
940 East 57<sup>th</sup> Street  
Chicago, IL 60637  
**Email:** joshua.james.foster@gmail.com  
**Phone:** +1 541 590 5723

### EDUCATION

2015-present University of Chicago, Doctoral Student in Psychology (Adviser: Dr Edward Awh)  
2015 University of Oregon, M.S. in Psychology (Adviser: Dr Edward Awh)  
2013 Victoria University of Wellington, M.Sc. in Cognitive and Behavioural Neuroscience  
(Adviser: Dr Gina Grimshaw)  
2011 Victoria University of Wellington, B.Sc. in Mathematics and Psychology

### PUBLICATIONS

**Foster J.J.**, Sutterer, D.W., Serences, J.T., Vogel, E.K., & Awh, E. (In Press). The topography of alpha-band activity tracks the content of spatial working memory. *Journal of Neurophysiology*. doi:10.1152/jn.00860.2015

**Foster, J.J.** & Adam, K.C.S. (2014). Is feature-based attention always spatially global during visual search? *Journal of Neuroscience*, 34(26), 8662-8664. doi:10.1523/JNEUROSCI.1616-14.2014

Grimshaw, G.M., **Foster, J.J.**, & Corballis, P.M. (2014). Frontal and parietal EEG asymmetries interact to predict attentional bias to threat. *Brain & Cognition*, 90, 76-86. doi:10.1016/j.bandc.2014.06.008

### PRESENTATIONS (TALKS)

**Foster, J.J.**, Anderson, D.E., Serences, J.T., Vogel, E.K., & Awh, E. (2015, May). EEG alpha rhythms track the deployment of spatial attention. Vision Science Society Annual Meeting, St. Petersburg, FL.

**Foster, J.J.** & Awh, E. (2014, August). Distinguishing between true guessing and low-precision representations in visual working memory. Cognitive Science Association for Interdisciplinary Learning Annual Meeting, Hood River, OR.

**Foster, J.J.**, Corballis, P.M., Hunkin, L. M., & Grimshaw, G.M. (2012, April). Relating EEG asymmetries to emotional biases in attention. Kiwi Cognition and Memory Annual Meeting, Wellington, New Zealand.

### SELECTED PRESENTATIONS (POSTERS)

**Foster, J.J.**, Sutterer, D.W., Serences, J.T., Vogel, E.K., Awh, E. (2015, October). Reconstructing spatial attention maps from EEG alpha activity. Society for Neuroscience Annual Meeting, Chicago, IL.

**Foster, J. J.**, Carmel, D., Grimshaw, G.M. (2012, November). Attentional capture by angry faces depends on the distribution of attention. Australasian Cognitive Neuroscience Society Annual Meeting, Brisbane, Australia.

**Foster, J. J.,** Corballis, P.M., Hunkin, L.M., & Grimshaw, G.M. (2012, April). Relating EEG asymmetries to emotional biases in attention. Australasian Experimental Psychology Society Annual Meeting, Sydney, Australia.

#### AWARDS

2013	Fulbright Science and Innovation Graduate Award
2012	Freemasons Postgraduate Scholarship
2012	Victoria University of Wellington Master's (by thesis) Scholarship
2011	Victoria University of Wellington Graduate Award
2011	Rotary Youth Leadership Award
2010	Victoria University of Wellington Summer Research Scholarship
2010	Freemasons University Scholarship
2009	Studylink Bonded Merit Scholarship

#### RESEARCH EXPERIENCE

Masters Student and Senior Research Assistant, Cognitive and Affective Neuroscience Lab, Victoria University of Wellington, advised by Dr Gina Grimshaw (2011-2013). Experience included:

- EEG/ERP experiments (design, execution, and analysis)
- supervision of pre-thesis Masters student
- manuscript preparation; poster presentation; oral presentation.

Graduate Student, Awh-Vogel Lab, University of Oregon & The University of Chicago, advised by Dr Edward Awh (2013-present). Experience included:

- MATLAB programming (stimulus presentation and data analysis)
- behavioral psychophysics experiments (design, execution, analysis)
- EEG experiments (design, execution, and analysis)
- model fitting
- manuscript preparation; poster presentation; oral presentation.

#### TEACHING EXPERIENCE

2013	Behaviour Analysis Lab Section (PSYC 332), Victoria University of Wellington
2013	Research Methods Lab Section (PSYC 232), Victoria University of Wellington
2012-2013	Cognitive Psychology Lab Section (PSYC 231), Victoria University of Wellington

#### PROFESSIONAL AFFILIATIONS

2015-present	The Psychonomic Society (student member)
2015-present	Society for Neuroscience
2014-present	Vision Sciences Society

#### AD HOC REVIEWER

Cortex  
 Journal of Experimental Psychology: Learning, Memory, and Cognition  
 Psychological Science  
 NeuroImage