

## CURRICULUM VITAE

### **David A. Ross**

Post Doctoral Fellow

Department of Psychology

Vanderbilt University

Nashville, TN 37240

Email: david.ross@vanderbilt.edu Tell: 615 635 3045

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### **EDUCATION**

- 2012**      **Cardiff University, United Kingdom**  
Ph.D. Psychology  
Thesis: Norm- and Exemplar-Based Models of Face Recognition  
Advisors: Michael Lewis, Ph.D. & Dominic Dwyer, Ph.D.
- 2007**      **Cardiff University, United Kingdom**  
M.Sc. in Social Statistics and Research Methods (Distinction)
- 2006**      **Stirling University, United Kingdom**  
B.Sc. in Psychology (First Class Honors Degree)
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### **ACCADEMIC EMPLOYMENT**

- 2011-present**   **Vanderbilt University, United States**  
Post Doctoral Fellow  
Advisors: Isabel Gauthier, Ph.D. & Thomas Palmeri, Ph.D.
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### **RESEARCH**

**Interests:** Face and Object Recognition, Perceptual Expertise, Learning and Memory, Individual Differences **Methods:** Computation Modeling, fMRI, Psychophysics, Hierarchical Bayesian Models

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### **PUBLICATIONS**

**Ross, D. A., Palmeri, T. J., & Gauthier, I. (in preparation).** Expertise and non-linear part interactions in visual cortex.

**Ross, D. A.,** & Palmeri, T. J. (*in preparation*). High-dimensional similarity spaces: A review of the literature.

**Ross, D. A.,** Deroche, M., & Palmeri, T. J. (*in preparation*). Modeling figural aftereffects in norm- and exemplar-based models.

**Ross, D. A.,** & Gauthier, I., McGugin, R. W., Van Gulick, A. E., & Tamber-Rosenau, B. J. (*in preparation*). Background connectivity and visual car expertise.

**Ross, D. A.,** Richler, J. R., & Gauthier, I. (*submitted*). Reliability of composite task measurements of face holistic processing.

**Ross, D. A.,** & Gauthier, I. (*submitted*). Holistic Processing in the composite task depends on face size.

McGugin, R. W., Van Gulick, A. E., Tamber-Rosenau, B. J., **Ross, D. A.,** & Gauthier, I. (*in press*). Expertise effects in face-selective areas are robust to clutter and diverted attention but not competition.

**Ross, D. A.,** Deroche, M., & Palmeri, T. J. (2014). Not just the norm: Exemplar-based models predict face adaptation. *Psychonomic Bulletin and Review*, 21, 47-70.

**Ross, D. A.,** McGugin, R. W. Gauthier, I. (2013). Heterogeneity of FFA responses or multiplexing? *Trends in Cognitive Sciences*.

Frowd, C. D., Skelton, F. C., Atherton, C.J., Pitchford, M., Bruce, V., Atkins, R., Gannon, C., **Ross, D. A.,** Young, F., Nelson, L., Hepton, G., McIntyre, A. H., & Hancock, P. J. B. (2012). understanding the multiframe caricature advantage for recognizing facial composites. *Visual Cognition*, 20(10), 1215-1241.

Hills, P. J., **Ross D. A.,** & Lewis, M. B. (2011). Attention misplaced: The role of diagnostic features in the face-inversion effect. *Journal of Experimental Psychology: Human Perception and Performance*, 37(5), 1396-1406.

**Ross, D. A.,** Hancock, P. J. B., & Lewis, M. B. (2010). Changing faces: Direction is important. *Visual Cognition*, 18, 67-81.

Frowd, C. D., Bruce, V., **Ross, D. A.,** McIntyre, A. & Hancock, P. J. B. (2007). An application of caricature: How to improve the recognition of facial composites. *Visual Cognition*, 15, 927-953.

Frowd, C. D., Bruce, V., McIntyre, A., **Ross, D.A.,** Fields, S., Plenderleith, Y., & Hancock, P. J. B. (2006). Implementing holistic dimensions for a facial composite system. *Journal of Multimedia*, 1, 42-51.

## PRESENTATIONS

**Ross, D. A., & Gauthier, I.** (2014). Holistic processing in the composite task depends on face size, *Annual Meeting of the Vision Sciences Society, St Pete.*

**Ross, D. A., Deroche, M., & Palmeri, T. J.** (2013). Modeling figural face aftereffects. *Perceptual Expertise Network, Chicago.*

**Ross, D. A., Deroche, M., & Palmeri, T. J.** (2011). Breaking Away from the Norm. *27th Annual British Psychological Society Cognitive Section Conference, Cardiff, United Kingdom.*

**Ross, D. A.** (2010). Modeling adaptation in face space. *Perceptual Expertise Network, San Diego, California*

**Ross, D.A. & Lewis, M.B.** (2010). Holistic Processing: Why the Whole is Greater than the Sum of its Parts. *27th Annual British Psychological Society Cognitive Section Conference.*

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## AWARDS

ESRC (1+3) Ph.D. Scholarship  
ESRC Ph.D. Travel Grant

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## ACCADEMIC SERVICE

**Ad Hoc reviewer for:** Cognition, Journal of Vision, Quarterly Journal of Experimental Psychology, Journal of Experimental Psychology: Human Perception and Performance

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## TEACHING EXPERIENCE

**2008**            **Lecturer, Introduction to Psychology**  
*University Glamorgan, United Kingdom*  
Taught classes and tutorials, prepared exam and lecture materials

**2007**            **Teaching Assistant, Cognitive Psychology**  
*University Glamorgan, United Kingdom*

**2007-10**        **Teaching Assistant, Statistics in Psychology**  
*Cardiff University, United Kingdom*

**PROFESSIONAL MEMBERSHIP & AFFILIATIONS**

Temporal Dynamics of Learning Centre, 2011-present

Vision Sciences Society, 2010, 2014

Perceptual Expertise Network, 2005-present