

# **MACKENZIE SUNDAY**

Department of Psychology  
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## **EDUCATION**

2014-present

### **VANDERBILT UNIVERSITY, Nashville, TN**

Doctoral Program in Cognition and Cognitive Neuroscience  
Quantitative Psychology Minor  
College of Arts and Sciences, Department of Psychology  
Graduate Advisor: Isabel Gauthier, Ph.D.

2010-2014

### **UNIVERSITY OF SOUTH CAROLINA, Columbia, SC**

South Carolina Honors College  
GPA: 3.974/4.0  
Honors Thesis: Determining a Correlation between Individual Differences in Eye Movements and Working Memory  
Bachelor of Arts and Sciences, Neuroscience

2012

### **UNIVERSITY OF MISSOURI, Columbia, Missouri**

National Science Foundation Research Experience for Undergraduates  
Advisor: Nelson Cowan, Ph.D.

## **FELLOWSHIPS, AWARDS AND HONORS**

2018	Pat Burns Memorial Graduate Student Research Award
2018	Three Minute Thesis Finalist
2018	3 <sup>rd</sup> place, Middle Tennessee Chapter of Society for Neuroscience, Talk 'Til Three
2016-present	NSF Graduate Research Fellowship Program Recipient
2015	NSF Graduate Research Fellowship Program Honorable Mention
2014	Who's Who Among Students in American Universities and Colleges
2013	Goldwater Scholar
2013/present	Phi Beta Kappa
2010/2014	Carolina Scholar
2010/2014	Lieber Scholar
2010/2014	Palmetto Fellowship Scholar
2010	National Merit Scholar

## **GRANT SUPPORT**

2015-2016	StarBRITE: VICTR – “Neural Correlates of Mental Imagery of Object of Expertise” (\$2,000)
2013	USC Office of Undergraduate Research – Magellan Scholar (\$2,000)

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2012-2013	South Carolina Honors College – Exploration Scholars Program (\$3,000)
2012	South Carolina Honors College – Exploration Scholars Program (\$1,000)

## **PUBLICATIONS**

**Sunday, M.A.** & Gauthier, I. (in press) Face expertise for unfamiliar faces: A commentary on Young and Burton's "Are we Face Experts?". *Journal of Expertise*

**Sunday, M.A.** Dodd, Michael D., Tomarken, A. & Gauthier, I. (in press). How faces (and cars) may become special. *Vision Research*.

**Sunday, M.A.**, Lee, W.-Y., & Gauthier, I. (2018). Age-related differential item functioning in tests of face and car recognition ability. *Journal of Vision*, 18(1):2. 1-17.  
doi:10.1167/18.1.2

**Sunday, M.A.**, Donnelly, E., & Gauthier, I. (2017). Individual Differences in perceptual abilities in medical imaging: The Vanderbilt Chest Radiograph Test. *Cognitive Research: Principles and Implications*, 2(1). 36.

**Sunday, M.A.**, Richler, J.J., & Gauthier, I. (2017). Revisiting the part-whole paradigm using an individual differences approach. *Attention, Perception & Psychophysics*, 79(5). 1453-1465.

**Sunday, M.A.**, McGugin, R. W., & Gauthier, I. (2017). Domain-specific reports of visual imagery vividness are not related to perceptual expertise. *Behavior Research Methods*, 49(2), 733-738.

Cowan, N., Hardman, K., Sauls, J.S., Blume, C.L., Clark, K.M., & **Sunday, M.A.** (2016). Detection of the number of changes in a display in working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. 42(2), 169-185. doi: 10.1037/xlm0000163

**Sunday, M.A.**, McGugin, R., Tamber-Rosenau, B. & Gauthier, I. (in prep). Visual imagery of faces and cars in face-selective visual areas.

**Sunday, M.A.**, Donnelly, E., & Gauthier, I. (in prep). Both fluid intelligence and visual object recognition ability relate to nodule detection.

Richler, J.J., Tomarken, A.J., **Sunday, M.A.**, Vickery, T.J., Ryan, K.F., Floyd, R.J., Sheinberg, D., Wong, A.C.N, & Gauthier, I. (under review). Individual Differences in Object Recognition.

## **PRESENTATIONS**

**Sunday, M.**, McGugin, R., Tamber-Rosenau, B. & Gauthier, I. (2017 Nov). *Visual Imagery of Objects of Expertise in Face-Selective Visual Areas*. Society for Neuroscience Annual Meeting, Washington, D.C.

- Sunday, M.** & Gauthier, I. (2017 Sept). *Measuring domain-general familiar and novel object recognition ability using a latent-variable framework*. International Science of Learning Conference. Brisbane, Australia. Presented as part of the NSF-funded US delegation. Winner: Best Student Poster.
- Sunday, M.**, Richler, J.J. & Gauthier I. (2016 May). *The Vanderbilt Car Matching Test*. Vision Sciences Society Annual Meeting, St. Petersburg, FL.
- Sunday, M.**, Richler, J.J. & Gauthier I. (2015 May). *The Vanderbilt Face Matching Test*. Vision Sciences Society Annual Meeting, St. Petersburg, FL.
- Sunday, M.** & Henderson, J. (2014 April). *Determining a Correlation Between Individual Differences in Eye Movements and Working Memory*. University of South Carolina Discovery Day, Columbia, SC.
- Sunday, M.**, Clark, K., Nicholson, J., Saults, J. & Cowan, N. (2012 July). *Storage Judgments of Working Memory: How Well Do We Know What We Know?* University of Missouri Undergraduate Research Forum, Columbia, MO.
- Clark, K., **Sunday, M.**, Ricker, T.J., & Cowan N. (2012 July). *Short-Term Forgetting as a Function of Time and Temporal Distinctiveness*. University of Missouri Undergraduate Research Forum, Columbia, MO.
- Reynolds, A., Conder, J., Blitzer, D., Baylis, B., **Sunday, M.**, Lauten, P., Krotish, D., Fritz, S., Hromatko, I, & Baylis, G. (2010 April). *Neural Correlates of Intensive Mobility Training and Virtual Environment Rehabilitation*. Cognitive Neuroscience Society Conference, Montreal, Canada.

### **BOOK CHAPTERS**

- Sunday, M. & Gauthier, I. Neural Underpinnings of Perceptual Expertise. In: *The Science of Expertise: Behavioral, Neural, and Genetic Approaches to Complex Skill; Frontiers of Cognitive Psychology* series. Routledge Publishing. Hambrick, D. Campitelli, G., & Macnamara, B. (Eds).

### **TEACHING EXPERIENCE**

- Neuroscience of Brain Dysfunction. Co-instructor. Vanderbilt Summer Academy, Session II. (Summer 2017).
- Certificate in College Teaching, completed Spring 2017. Certified through the Vanderbilt Center for Teaching.
- PSY 1200 General Psychology. Teaching Assistant. Instructor: Elisabeth Sandberg, Ph.D. (Spring 2016)
- PSY 3610 Intro to Clinical Psychology. Teaching Assistant. Instructor: Jo-Anne Bachorowski, Ph.D. (Fall 2015)
- PSY 1111: First-Year Writing Seminar: Individual Differences. Guest Lecturer. Instructor: Isabel Gauthier, Ph.D. (Jan. 28, 2016)

PSY 1200: General Psychology. Guest Lecturer. Instructor: Isabel Gauthier, Ph.D. (Mar. 22, 2017)

Visual Systems. Guest Lecturer. Instructor: Jeff Schall, Ph.D. (Mar. 26, 2018)

### **SPEAKING ENGAGEMENTS**

**Sunday, M. & Gauthier I.** (2017 May). *Visual Literacy: A Review. Talk presented at Visual Literacy and Perception in the Contemporary World: Panel Discussion.* Ontario College of Art & Design, Toronto, Canada.

**Sunday, M. & Gauthier, I.** (2016 April). *Revisiting the Part-Whole Paradigm. Talk presented at the Perceptual Expertise Network XXXII.* Nashville, Tennessee.

**Sunday, M. & Gauthier, I.** (2015 November). *Why cars are special? Talk presented at the Perceptual Expertise Network XXXI.* New Orleans, Louisiana.

**Sunday, M.** (2014 April). *Talk presented at TEDxYouth@ColumbiaSC.* Columbia, SC

### **PROFESSIONAL AFFILIATIONS**

2017-2016	SOCIETY FOR NEUROSCIENCE, pre-doctoral member
2014-present	VISION SCIENCES SOCIETY, pre-doctoral member
2014-2016	PERCEPTUAL EXPERTISE NETWORK, trainee
2015-2016	AMERICAN PSYCHOLOGICAL ASSOCIATION OF GRADUATE STUDENTS

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