

# Paul S. Scotti

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(last updated 9/2/18)

## EDUCATION

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- Ph.D. (Cognitive Psychology)**, The Ohio State University 2017 – Present
- B.A. (Psychology)**, The George Washington University 2013 – 2017
- Distinguished/Honors scholar, magna cum laude

## RESEARCH EXPERIENCE

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### VISION AND COGNITIVE NEUROSCIENCE LAB 2017 – Present

### COGNITIVE CONTROL LAB

**PhD student** at The Ohio State University  
Advisors: Dr. Julie Golomb & Dr. Andrew Leber

### GW ATTENTION AND COGNITION LAB 2014 – 2017

**Undergraduate researcher** at The George Washington University  
Advisor: Dr. Sarah Shomstein

- Investigated role of object-based attentional selection

### GW VISUAL COGNITION LAB 2016 – 2017

**Undergraduate researcher** at The George Washington University  
Advisor: Dr. Stephen Mitroff

- Investigated visual search using “big data”

## POSTER PRESENTATIONS

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- Scotti, P.**, Hong, Y., Golomb, J. D., Leber, A., B. (2018, November). *Statistical Regularities During Object Encoding Distort Long-Term Memory*. Poster to be presented at Object Perception, Attention, and Memory (OPAM) meeting, New Orleans, LA.
- Scotti, P.**, Hong, Y., Golomb, J. D., Leber, A., B. (2018, September). *Statistical Regularities During Object Encoding Distort Long-Term Memory*. Poster presentation at the Center for Cognitive and Brain Sciences Fall Retreat, Mt. Sterling, OH.
- Scotti, P.**, Hong, Y., Golomb, J. D., Leber, A., B. (2018, May). *Statistical Regularities During Object Encoding Distort Long-Term Memory*. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.
- Adamo, S., Nah, J., Collegio, A., **Scotti, P.**, Shomstein, S. (2018, May). *The Flux Capacitor Account: A New Theoretical Account of Multiple Target Visual Search Errors*. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.
- Scotti, P.**, Collegio, A., & Shomstein, S. (2017, November). *Task-irrelevant Object Category Guides Attentional Allocation*. Poster presented at Object Perception, Attention, and Memory (OPAM) meeting,

Vancouver, BC.

Collegio, A., Nah, J., **Scotti, P.**, Shomstein, S. (2017, November). *Real-World Object Size Affects Attentional Allocation*. Talk presented at Object Perception, Attention, and Memory (OPAM) meeting, Vancouver, BC.

**Scotti, P.**, Adamo, S., Mitroff, S., Shomstein, S. (2017, May). *Repetition Priming Preferentially Benefits Infrequent Targets*. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.

Adamo, S., Nah, J., Collegio, A., **Scotti, P.**, Shomstein, S. (2017, May). Does Orientation Matter? Same or Differently Oriented Targets in a Multiple Target Search. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.

Collegio, A., Nah, J., **Scotti, P.**, Shomstein, S. (2017, May). *Real-World Object Size Affects Attentional Allocation*. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.

**Scotti, P.**, Adamo, S., Mitroff, S., Shomstein, S. (2017, April). *Repetition Priming Preferentially Benefits Infrequent Targets*. **1<sup>st</sup> place Psychology poster** presented at the annual GW Research Days event, Washington, D.C.

**Scotti, P.**, Malcolm, G.L., Peterson, M., & Shomstein, S. (2016, November). *Reality vs. Simplicity: The effects of real-world objects on attentional selection*. Poster presented at Object Perception, Attention, and Memory (OPAM) meeting, Boston, MA.

**Scotti, P.**, Malcolm, G.L., Peterson, M., & Shomstein, S. (2016, May). *Reality vs. Simplicity: The effects of real-world objects on attentional selection*. Poster presentation at Vision Sciences Society, St. Pete Beach, FL.

## **LEADERSHIP ACTIVITIES / PROFESSIONAL DEVELOPMENT**

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OnNeuro (www.OnNeuro.com), *Founder* 2017 – Present

- Head of a live communication platform across researchers and the public, allowing those who may not have easy access to scientific discussions to participate in the fields of psychology and neuroscience.

CCBS Summer Institute (CUSI) Summer 2018

- Lecture on lab notebook keeping and organization

Career Development Grant Judge (Council of Graduate Students) Spring 2018

## **MENTORSHIP**

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- Anisha Babu (OSU; Golomb lab, undergraduate research assistant; Spring 2018 – present)
- Molly McKinney (OSU; Leber lab, undergraduate research assistant; Spring 2018 – present)

## **ACADEMIC LECTURE COURSES / SUMMER SCHOOLS**

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- York University Centre for Vision Research Summer School (Toronto, ON; Summer 2016)
- Cold Spring Harbor Laboratory Summer Course, “DNA Science” (Long Island, NY; Summer 2012)

## **MEMBERSHIPS**

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Psychonomic Society, Society for Neuroscience, Vision Sciences Society, Psi Chi Honor Society, OSU Center for Cognitive and Behavioral Brain Imaging Student Group, OSU Center for Cognitive and Brain Sciences

## **SCHOLARSHIPS, FELLOWSHIPS, & AWARDS**

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CCBBI Student Neuroimaging Research Award (\$3000)

2017

- Award to conduct brain imaging research in the Center for Cognitive and Behavioral Brain Imaging.

### **OSU University Fellowship** 2017

- Merit scholarship awarded to support one year of full-time financial support.

### **GW CCAS Distinguished Scholar** 2017

- Gave graduation speech to the class of 2017.
- Awarded to two graduating seniors who displayed exemplary academic achievement.

### **Luther Rice Undergraduate Research Fellowship (\$5000)** 2016

- Award to support independent research during junior and senior year.

### **Sigelman Undergraduate Research Enhancement Award (\$500)** 2016

- Awarded to support conference travel to Vision Sciences Society Conference in May 2016.

### **GW Presidential Academic Scholarship Recipient** 2013

- Merit scholarship awarded to undergraduates who showcase exemplary academic progress.

## **PUBLICATIONS**

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Collegio, A., Nah, J., **Scotti, P.**, Shomstein, S. (submitted, invited for resubmission with revisions). *Real-World Object Size Affects Attentional Allocation. Nature Neuroscience of Human Behavior.*

*In Prep:*

**Scotti, P.**, Hong, Y., Golomb, J. D., Leber, A., B. (in preparation). *Statistical Regularities During Object Encoding Induce "Swaps" in Long-Term Memory.*

**Scotti, P.**, Malcolm, G.L., Peterson, M., & Shomstein, S. (in preparation). *Reality vs. Simplicity: The Effects of Real-World Objects on Attentional Selection.*

**Scotti, P.**, Adamo, S., Shomstein, S., & Mitroff, S. (in preparation). *Increased Exposure Decreases Repetition Priming Effects.*

**Scotti, P.**, Collegio, A., Shomstein, S. (in preparation). *Task-Irrelevant Object Category Information Guides Attentional Allocation.*

## **QUALIFICATIONS AND SKILLS**

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| • MATLAB (inc. Psychtoolbox)               | • SPM12                  |
| • Python (inc. PsychoPy, Jupyter Notebook) | • Brain Voyager          |
| • Eye-tracking (EyeLink 1000 Plus)         | • FreeSurfer (inc. Bash) |
| • R / IBM SPSS / SAS / JASP                | • HTML & CSS             |
| • Javascript (inc. jQuery)                 |                          |