

# DEBORAH A. CRONIN

Curriculum Vitae

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## EDUCATION

Ph.D. (2018) Department of Psychology, University of Illinois at Urbana-Champaign, Urbana, IL

M.A. (2015) Department of Psychology, University of Illinois at Urbana-Champaign, Urbana, IL

B.S. (2012) Department of Biological Sciences, University of Notre Dame, Notre Dame, IN

## PROFESSIONAL APPOINTMENTS

Postdoctoral Scholar, University of California, Davis, Center for Mind and Brain (2018-Present)

Research Assistant, Sandia National Labs – University of Illinois at Urbana-Champaign Academic Alliance (2016-2017)

## PUBLICATIONS

**Cronin, D.A.** & Henderson, J.M. (submitted). Perception of transsaccadic displacements of real-world scenes is impaired by a post-saccade blank.

Matzen, L.E., Divis, K.M., **Cronin, D.A.**, & Haass, M.J. (accepted). Task matters. *IEEE VisPsych*.

Matzen, L.E., Divis, K.M., Haass, M.J., **Cronin, D.A.** (accepted). Variable biases: A study of scientists' interpretation of plot types commonly used in scientific communication. *IEEE VIS*.

**Cronin, D.A.**, Peacock, C.E., & Henderson, J.M. (2020). Visual and verbal working memory loads impede real-world scene viewing. *Attention, Perception, & Psychophysics*.

**Cronin, D.A.**, Hayes, T.R., Goold, J.E., Hall, E.H., & Henderson, J.M. (2020). Eye movements in real-world scene photographs: General characteristics and effects of viewing task. *Frontiers in Psychology*.

**Cronin, D.A.**, & Irwin, D.E. (2018). Visual working memory supports perceptual stability across saccadic eye movements. *Journal of Experimental Psychology, Human Perception and Performance*.

Lleras, A., **Cronin, D.A.**, Madison, A.M., Wang, Z., Buetti, S. (2017). Oh the number of things you will process (in parallel)! Commentary on Hulleman & Olivers (2017). *Behavioral and Brain Sciences*, 40.

**Cronin, D.A.**, and Brockmole, J.R. (2016). Evaluating the influence of a fixated object's spatio-temporal properties on gaze control. *Attention, Perception, and Psychophysics*, 78(4): 996-1003.

Buetti, S., **Cronin, D.A.**, Madison, A., Wang, Z., and Lleras, A. (2016). Towards a better understanding of parallel visual processing in human vision: Evidence for exhaustive analysis of visual information. *Journal of Experimental Psychology: General*, 145(6): 672-707.

Brockmole, J.R., Davoli, C.C., **Cronin, D.A.** (2012). The visual world in sight and mind: How attention and memory interact to determine visual experience. In B. Ross (Ed.), *The Psychology of Learning and Motivation, Volume 57*.

## AWARDS AND FELLOWSHIPS

2017 *Award for Excellence in Undergraduate Teaching*, Psychology Department, University of Illinois at Urbana-Champaign

2016 *Sandra Goss-Lucas Award for Excellence in Teaching Introductory Psychology*, Department of Psychology, University of Illinois at Urbana-Champaign

- 2015, 2017 *Graduate College Travel Award*, University of Illinois at Urbana-Champaign  
2014, 2017 *Travel Award*, Department of Psychology University of Illinois at Urbana-Champaign  
2012-2013 *Visual Cognition and Human Performance Research Fellowship*, Department of Psychology,  
University of Illinois at Urbana-Champaign

## CONFERENCE PRESENTATIONS AND POSTERS

- Cronin, D.A.**, & Henderson, J.M. (Jun 2020). A post-saccade blank interferes with transsaccadic displacement detection in real-world scenes [Paper presentation]. Vision Sciences Society Annual Meeting, St. Pete Beach, Florida.
- Cronin, D.A.**, & Henderson, J.M. (Nov. 2019). Perceptual stability in real-world scenes [Poster session] Psychonomic Society Annual Meeting, Montreal, QC, CA.
- Cronin, D.A.**, & Irwin, D.E. (Nov. 2018). Effects of object correspondence and visual transients on saccade target displacement detection [Poster session]. Psychonomic Society Annual Meeting, New Orleans, LA, USA.
- Cronin, D.A.**, & Irwin, D.E. (Nov. 2017). Visual working memory load disrupts detection of saccade target Displacements [Poster session]. Psychonomic Society Annual Meeting, Vancouver, BC, CA.
- Cronin, D.A.**, Buetti, S., & Lleras, A. (May 2015). The information theory of vision: Evidence from eye-Tracking [Poster session]. Vision Sciences Society Annual Meeting, St. Pete Beach, FL, USA.
- Cronin, D.A.**, Buetti, S. & Lleras, A. (May 2014). The role of lure heterogeneity in logarithmic visual Search [Poster presentation]. Vision Sciences Society Annual Meeting, St. Pete Beach, FL, USA.
- Cronin, D.A.**, & Brockmole, J.R. (Nov 2012). Reference frames, apparent motion, and perceived animacy: Influences on gaze [Paper Presentation]. 20th Annual Meeting of the Society for Object Perception, Attention and Memory (OPAM), Minneapolis, Minnesota.

## DEPARTMENTAL TALKS

- Cronin, D.A.**, & Irwin, D.E. (Nov 2018). Perceptual stability across saccadic eye movements. Paper presented at University of California, Davis, PCCN Colloquium, Davis, CA.
- Cronin, D.A.**, & Irwin, D.E. (Oct 2018). Perceptual stability across eye movements. Paper presented at University of California, Davis Center for Mind and Brain Seminar Series, Davis, CA.
- Cronin, D.A.**, & Irwin, D.E. (Feb 2018). Effects of object correspondence and visual transients on saccade target displacement detection. Paper presented at University of Illinois A&P Division Colloquium, Champaign, IL.
- Cronin, D.A.**, & Irwin, D.E. (Mar 2017). Visual working memory supports transsaccadic perception. Paper presented at University of Illinois VCHP Division Colloquium, Champaign, IL.
- Cronin, D.A.**, Buetti, S. & Lleras A. (Apr 2016). Overt attention during visual search. Paper presented at University of Illinois VCHP Division Colloquium, Champaign, IL.
- Cronin, D.A.**, Buetti, S. & Lleras A. (Sep 2013). Attentional filtering during visual search. Paper presented at University of Illinois VCHP Division Colloquium, Champaign, IL.
- Cronin, D.A.**, & Brockmole, J.R. (Nov 2012). Reference frames, motion, and animacy: Influences on gaze control. Paper presented at University of Illinois VCHP Division Colloquium, Champaign, IL, USA.

## TEACHING EXPERIENCE

- 2015 – 2018 Psych Introduction; Primary Instructor  
2014 – 2017 Perception and Sensory Processes; Primary Instructor  
2014 Intro to Psychology; Primary Instructor/Teaching Assistant  
2013 – 2014 Perception and Sensory Processes; Grading Teaching Assistant

## **SERVICE TO PROFESSION**

Conference Organizer, Object Perception, Attention, and Memory Conference (OPAM)

Ad hoc reviewer for: *Attention Perception and Psychophysics*

*Journal of Experimental Psychology: General*

*Journal of Experimental Psychology: Human Perception and Performance*

*Psychonomic Bulletin and Review*

## **COMMUNITY INVOLVEMENT**

2018 Career Q&A Sessions, West Aurora High School, Aurora, IL

2017 Career Q&A Sessions, Centennial High School, Champaign, IL

## **TEACHING AREAS**

Introductory Psychology, Experimental Psychology, Sensation and Perception, Cognitive Psychology, Statistics, Research Methods, Learning and Memory, Cognitive Neuroscience

## **MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS**

Vision Sciences Society (USA)

Psychonomic Society (USA)

Association for Psychological Sciences (APS)

Society for the Teaching of Psychology (STP) / APA Division Two

## **REFERENCES**

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