

DEBORAH A. CRONIN

Curriculum Vitae

October 2019

Center for Mind and Brain
University of California, Davis
267 Cousteau Pl, Davis, CA 95616

Phone: (630) 639-8988
E-mail: debcronin3@gmail.com
Website: www.dacronin.com

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., Buetti, S., & Lleras, A. (in preparation). Effects of target-distractor similarity on overt attention.

Cronin, D.A., Goold, J.E., Hayes, T.R., & Henderson, J.M. (in preparation). Individual differences in eye movement behaviors in real-world scenes.

Cronin, D.A., & Henderson, J.M. (in preparation).

Cronin, D.A., & Irwin, D.E. (in preparation). Effects of object correspondence and visual transients on saccade target displacement detection.

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

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

Divis, K.M., Matzen, L.E., Haass, M.J., **Cronin, D.A.** (submitted with revisions). Data visualization comprehension: influences of top-down factors and plot characteristics.

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*

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. (Nov. 2019). Perceptual stability in real-world scenes. Poster presented at the annual meeting of the Psychonomic Society, Montreal, QC, CA.
- Cronin, D.A.**, & Irwin, D.E. (Nov. 2018). Effects of object correspondence and visual transients on saccade target displacement detection. Poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA, USA.
- Cronin, D.A.**, & Irwin, D.E. (Nov. 2017). Visual working memory load disrupts detection of saccade target displacements. Poster presented at the annual meeting of the Psychonomic Society, Vancouver, BC, CA.
- Cronin, D.A.**, Buetti, S., & Lleras, A. (May 2015). The information theory of vision: Evidence from eye-tracking. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL, USA.
- Cronin, D.A.**, Buetti, S. & Lleras, A. (May 2014). The role of lure heterogeneity in logarithmic visual search. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL, USA.
- Cronin, D.A.**, & Brockmole, J.R. (Nov 2012). Reference frames, apparent motion, and perceived animacy: Influences on gaze. Paper presented at the 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/Teaching Assistant
2014 – 2017 Perception and Sensory Processes
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

John M. Henderson, Ph.D.
Professor, Center for Mind and Brain, University of California, Davis
267 Cousteau Pl.,
Davis, CA 95618
email: johnhenderson@ucdavis.edu
phone: (530) 754-4507

David E. Irwin, Ph.D.

Professor Emeritus, Department of Psychology, University of Illinois at Urbana-Champaign

603 E. Daniel St.

Champaign, IL 61820

email: irwin@illinois.edu

phone: (217) 778-6191

Alejandro Lleras, Ph.D., Professor, and Simona Buetti, Ph.D., Research Asst. Professor (Co-Supervisors)

Department of Psychology, University of Illinois at Urbana-Champaign

603 E. Daniel St.

Champaign, IL, 61820

email: alleras@illinois.edu

phone: (217) 300-8156

Lisa Travis, Ph.D. (Teaching Reference)

Senior Lecturer, Department of Psychology, University of Illinois at Urbana-Champaign

603 E. Daniel St.

Champaign, IL 61820

email: litravis@illinois.edu

phone: (217) 333-8086