

Cynthia L. (Angel) Clark

Curriculum Vitae

University of Northern Colorado
Department of Psychological Sciences
Greeley, CO 80639
(970) 351-2168
cynthia.clark@unco.edu

EDUCATION

Postdoctoral Fellowship, University of California, Davis (2003-2004)
Department of Ophthalmology and Section of Neurobiology, Physiology,
and Behavior

Ph.D. Psychology, Colorado State University (2003)
Specialization: Experimental Psychology
Dissertation: The Effect of Rods on Perceptive Field Size at 10°
Eccentricity in the Four Retinal Quadrants

M.S. Psychology, Colorado State University (2000)
Specialization: Experimental Psychology
Thesis: Rod Influences on the Judgment of Unique Green in
the Peripheral Retina

B.A. Psychology, University of Colorado (1996)

ACADEMIC POSITIONS

Assistant Professor

Department of Psychology, University of Northern Colorado (2004-present)
Courses Taught: *Research Methods in Psychology, Cognition, Physiological
Psychology, Psychological Statistics and Design, Sensation and Perception,
Infant Perception*

Teaching Fellow *Introductory Psychology*

Department of Psychology, Colorado State University (2001-2002)

Instructor *Sensation and Perception Laboratory Course*

Department of Psychology, Colorado State University (1997-2003)

Instructor *Human Physiological Psychology Laboratory Course*

Department of Psychology, Colorado State University (2000-2001)

Teaching Assistant *Cognitive Psychology*

Department of Psychology, Colorado State University (2003)

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Co-Instructor *Psychology of Perception Laboratory Course*
Department of Psychology, University of Colorado (1996)

RESEARCH AREA

My research area is human sensation and perception. The majority of my research is aimed at examining the underlying neural substrates of human color and spatial vision. Some particular research interests of mine are listed below.

- Foveal vs. peripheral processing of color
- Rod influences on color vision
- Measuring perceptive field sizes across the retina
- Scalar invariance of unique hues
- Tactile acuity as measured by receptive field size on the skin
- The effects of Ipod usage on auditory thresholds

RESEARCH POSITIONS

Visual Psychophysics Laboratory

University of California, Davis, 2003-2004

Research projects involving the senescence of human color and spatial vision. Responsible for designing experiments, calibrating the optics system, collecting data, analyzing data, presenting results, writing manuscripts, and serving as an observer.

Vision Laboratory

Colorado State University, 1997-2003

Research projects involving peripheral color perception and modeling the neural processing of human color vision. Responsible for designing experiments, calibrating the optics system, collecting data, analyzing data, presenting results, writing manuscripts, and serving as an observer. Have also helped with grant-writing and constructing a Maxwellian-view optical system.

Low Vision Research Project

Collaborative project with Ian Bailey, O.D., University of California, Berkeley
2001-2002

Responsible for participant recruitment, vision screening, and data collection on a study looking at the effects of visual display properties on reading skills for visually impaired populations.

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Infant Perception Laboratory

University of Colorado, 1994-1996

Responsible for collecting, recording, and coding data for experiments on infant visual perception and learning. Also helped with subject recruitment.

Primate Laboratory

University of Colorado Health Sciences Center, 1996

Responsible for behavioral observations of adolescent macaque primates. Recorded data and coded data, and helped with some animal maintenance and care.

Body Image Laboratory

University of Colorado, 1994-1995

Responsible for carrying out experiments and collecting data on body image among college-age females.

Laboratory for Early Childhood Development

University of Colorado Health Sciences Center, 1994-1995

Responsible for transcribing and entering data for a longitudinal study on moral development in children.

PUBLICATIONS AND PRESENTATIONS

Clark, C., Hardy, J., Volbrecht, V., & Werner, J. (2010) Spatiotemporal sensitivity differences between young and old adults. *Ophthalmic and Physiological Optics*, 30, 339-350.

Volbrecht, V., **Clark, C.**, Nerger, J., & Randell, C. (2009). Chromatic perceptive field sizes measured at 10° eccentricity along the horizontal and vertical meridians. *Journal of the Optical Society of America*, 26 (5), 1167-1177.

Clark, C. & Allen, M.T. A two-point threshold demonstration of somatosensory receptive field size and sensitivity. *Society for Neuroscience Abstracts*, 31, November 2005, Washington, D.C.

Clark, C., Hardy, J., & Werner, S. Spatiotemporal frequency surfaces characterizing age-related change in scotopic vision. *Annual Meeting: Association for Research in Vision and Ophthalmology*, May 2005, Fort Lauderdale, Florida.

Clark, C. & Allen, M.T. A two-point threshold demonstration of somatosensory receptive field size and sensitivity. *Annual Meeting: Rocky Mountain Psychological Association*, April 2005, Phoenix, Arizona.

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Walker, A, Allen, M., & **Clark, C.** A combined visual and auditory presentation yields better short-term-memory recall than a visual alone presentation, but not an auditory alone presentation. (student poster) *Annual Meeting: Rocky Mountain Psychological Association*, April 2005, Phoenix, Arizona.

Angel, C. Spatiotemporal surfaces in scotopic vision. *UC Davis Ophthalmology Symposium*, June 2004, Sonoma, California.

Angel, C., Randell, C., Nerger, J., & Volbrecht, V. The effects of rods on perceptive field sizes at 10° eccentricity in the four retinal quadrants. *Satellite Meeting: Optical Society of America*, October, 2002, San Francisco, California.

Randell, C., **Angel, C.,** Volbrecht, V., & Nerger, J. Rod effects on color appearance in the temporal retina. *Annual Meeting: Association for Research in Vision and Ophthalmology*, May 2002, Fort Lauderdale, Florida.

Haase, K., Volbrecht, V., Nerger J., & **Angel, C.** Rod influence on color naming. *Satellite Meeting: Optical Society of America*, October, 2001, Irvine, California.

Angel, C., Volbrecht, V., & Nerger, J. Effects of rods on unique hue loci. *Annual Meeting: Optical Society of America. October*, 2000, Providence, Rhode Island.

Angel, C., Nerger, J., Volbrecht, V. The influence of rods on the locus of unique green. *Annual Meeting: Optical Society of America*, September 1999, Santa Clara, California.

Angel, C. The design and construction of a Maxwellian-view optical system. Colorado State University, 1998.

Kaplan, P., Zarlengo-Strouse, P., Kirk, L., & **Angel, C.** (1997). Selective and nonselective associations between speech segments and faces in human infants. *Developmental Psychology*, 33, 990-999.

PROFESSIONAL SERVICE

- School of Psychological Sciences Participant Pool Coordinator, 2007-present
- Member of the University of Northern Colorado Institutional Review Board, 2007 – present
- Member of McNair Editorial Board 2009
- Member of the Blackboard Advisory Committee 2009
- Judge for the Fall Research Symposium for the Center for Honors, Scholars, and Leadership, 2007
- Judge for Works in Progress Symposium, University of Northern Colorado, 2005, 2006
- Undergraduate Curriculum Committee, University of Northern Colorado, 2005 - present

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- School Evaluation Committee, University of Northern Colorado, 2004-2007
- UNC Discover Core Advisor, University of Northern Colorado, 2005-2008
- Judge for Undergraduate Research Symposium, Colorado State University, 2003
- Graduate Student Liaison Committee, Behavioral Neuroscience Representative, 2000-2002
- Search Committee for Vice President for Research and Information Technology, 2001
- Committee for Graduate Teaching Assistant Workshop, 2001

AWARDS AND HONORS

- UC Davis Ophthalmology Symposium Best Presentation Award, 2004
- Psychology Teaching Fellowship 2001-2002
- College of Natural Sciences Graduate Teaching Award 2001
- Seligman Award for Excellence in Research 2000
- Optical Society of America Travel Grant, October 2000
- Nell Fahrion Outstanding Senior in Psychology Award 1996
- CU-Denver's Athletes of the Mind Award 1995 & 1996
- Golden Key National Honor Society Scholarship 1995
- Dean's List Scholarship 1994
- CU-Denver Regent's Scholar 1993
- Citizen's Foundation Scholarship 1992
- President's Honor Scholarship 1992
- Provost's Honor Scholarship 1992

PROFESSIONAL AFFILIATIONS

- Association for Research in Vision and Ophthalmology
- International Colour Vision Society
- Optical Society of America
- Rocky Mountain Psychological Association