

**VITAE**  
**Alan Hughes, Ph.D.**  
September 2015

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**BUSINESS ADDRESS**

Charter School of Education and  
Human Sciences  
Department of Psychology  
Berry College  
Mount Berry, GA 30149-5019  
Work: (706) 238-7992  
Email: [rhughes@berry.edu](mailto:rhughes@berry.edu)

**EDUCATION**

University of Louisville Ph.D. 2000  
Major Area: Experimental Psychology  
Specialty Area: Perception and Neural Science  
Dissertation: *Dynamic light adaptation within the chromatic pathways*  
Dissertation Advisor: Paul J. DeMarco, Jr., Ph.D.

Western Kentucky University M.A. 1996  
Major Area: Applied Experimental Psychology  
Thesis: *Determination of chromatic and luminance channels in the zebrafish visual system using an increment threshold technique*  
Thesis Advisor: Joseph Bilotta, Ph.D.

Berea College B.A. 1994  
Major: Psychology

**RESEARCH INTERESTS**

Color vision; parallel pathways in the human visual system; mechanisms of light adaptation.

**PROFESSIONAL EXPERIENCE**

Professor of Psychology July 2014-  
Berry College

Associate Professor of Psychology 2007-2014  
Berry College

Assistant Professor of Psychology 2000-2007  
Nazareth College; Tenured Spring 2006

Research Health Sciences Specialist 1998-2000  
Department of Veterans Affairs,

Louisville VA Medical Center.

Adjunct Lecturer, Department of Psychology 1997-2000  
University of Louisville.

Research Assistant, Department of Psychology 1996-1998  
University of Louisville.

Research Assistant, Neuroscience Laboratory 1994-1996  
Department of Psychology, Western Kentucky University.

Research Assistant, Physiological Laboratory 1992-1994  
Department of Psychology, Berea College.

### **RELATED PROFESSIONAL EXPERIENCE**

Preparing Future Faculty Program  
*University of Louisville* 1999-2000

### **COURSES TAUGHT**

Introduction to Psychology	Motivation
Theories in Psychology	Sensory and Perceptual Processes
Statistics and Research Methods I	Human Factors
Statistics and Research Methods II	Senior Seminar in Psychology
Making the Most of the Psychology Major	History and Systems of Psychology
Memory and Cognition	Neuropsychology
Behavioral Neuroscience	Physiological Psychology
Behavioral Genetics	Phantom Limbs and Plastic Brains

### **ACADEMIC AND PROFESSIONAL SOCIETIES**

Psi-Chi  
Mortar Board  
Society for the Teaching of Psychology (APA Division 2)  
Association for Psychological Science (APS)

### **GRANTS AND AWARDS**

*Eleana M. Garrett Award for Meritorious Advising and Caring.* Presented at the 2011 Berry College Honor's Convocation

**Hughes, A.** (2004-2005). *Incorporating Information Literacy Standards into Statistics and Research Methods courses.* \$2500.00 grant funded by the Hewlett Foundation, Center for Teaching Excellence, Nazareth College.

Fahy, R., & **Hughes, A.** (2004-2005). *Designing a course on Introduction to the Psychology Major*. \$1500.00 grant funded by the Hewlett Foundation, Center for Teaching Excellence, Nazareth College.

**Hughes, A.** (2003). \$315.00 publication award given by the Optical Society of America to help in the publication of an article.

Bush, M.F., **Hughes, A.**, & Bockes, T.C. (2002-2003). *Integrating perspective I objectives within a discipline*. \$3500.00 grant funded by the Hewlett Foundation, Center for Teaching Excellence, Nazareth College.

## PUBLICATIONS

Diliberto, K., & **Hughes, A.** (In press). The Use of Mobile Apps to Enhance Student Learning in Introduction to Psychology. *Teaching of Psychology*.

**Hughes, A.** (2015). Pursuing careers in physiological psychology. In Irons, J. G., & Miller, R. L., (Eds.). *Academic advising: A handbook for advisors and students volume 2: A guide to the sub-disciplines*. Syracuse Volume II, NY: Society for the Teaching of Psychology.

Vukmanic, E., Godwin, K.,\* Shi, P., **Hughes, A.**, & DeMarco, P. (2014). Full-Field Electroretinogram response to increment and decrement flashes. *Documenta Ophthalmologica*. 1573-2622

**Hughes, A.** (2014). Advising as teaching. In Miller, R. L., & Irons, J.G., (Eds.). *Academic advising: A handbook for advisors and students Volume 1: Models, Students, Topics, and Issues*. Syracuse, NY: Society for the Teaching of Psychology.

**Hughes, A.** (2011). Exercises and demonstrations to promote student engagement in motivation and emotion courses. In Miller, R. L., Balcetis, E., Daniel, D., Saville, B., & Woody, W. D., (Eds.). *Promoting Student Engagement, Volume 2: Activities & Demonstrations for Psychology*. Syracuse, NY: Society for the Teaching of Psychology.

**Hughes, A.**, & Gilmour, N.\* (2010). Perceptions of safety among workers in mental health care facilities. *North American Journal of Psychology*, 12 (1), 129-144.

**Hughes, A** & Fahy, R. (2009). Implementing an undergraduate psychology mentoring program *North American Journal of Psychology*, 11, 463-470.

Lindner, D.\*, **Hughes, A.**, & Fahy, R. (2008). Eating pathology and social comparison in college females. *North American Journal of Psychology*, 10(3), 445-462.

**Hughes, A.** (2005). A poster project for an undergraduate Sensation and Perception course. *Teaching of Psychology*, 32(1), 58-59.

**Hughes, A.**, & DeMarco, P.J. (2003). The time course of adaptation for stimuli presented along cardinal lines in color space. *Journal of the Optical Society of America. A*, 20, 2216-2227.

Patterson, W. F., McDowell, A.L., **Hughes, A.**, & Bilotta, J. (2002). Opponent and nonopponent contributions to the zebrafish ERG using heterochromatic flicker photometry. *Journal of Comparative Physiology*, 188, 283-293.

Purkiss, T.J., **Hughes, A.**, & DeMarco, P.J. (2001). Processing of scotopic increments and decrements. *Visual Neuroscience*, 18, 119-125.

DeMarco, P.J., **Hughes, A.**, & Purkiss, T.J. (2000). Increment and decrement detection on temporally modulated fields. *Vision Research*, 40 (14), 1907-1919.

**Hughes, A.**, Saszik, S., Bilotta, J., DeMarco, P. J., & Patterson, W. F. (1998). Cone contribution to the photopic spectral sensitivity function of the zebrafish ERG. *Visual Neuroscience*, 15 (6), 1029-1038.

*\*Student Researcher*

### INTERNET PUBLICATIONS

**Hughes, A.** (2002). Sensation and Perception. Project Syllabus: Office of Teaching Resources Online: Lemoyne OTRP Project Syllabus

**Hughes, A.** (2001) Senior Seminar in Psychology. Project Syllabus: The Office of Teaching Resources Online. Lemoyne OTRP Project Syllabus

**Hughes, A.** (2001). Motivation. Project Syllabus: Office of Teaching Resources Online. Lemoyne OTRP Project Syllabus

### NON-REFEREED PUBLICATIONS

**Hughes, A.** (2015). What is teaching excellence?. *Inside Higher Education*.  
<https://www.insidehighered.com/views/2015/04/14/essay-meaning-teaching-excellence-higher-education>.

**Hughes, A.** (2014). Earning promotion and tenure at small liberal-arts colleges. *Inside Higher Education*. <https://www.insidehighered.com/advice/2014/08/11/essay-earning-tenure-small-liberal-arts-colleges>.

### PUBLISHED ABSTRACTS

Dillehay, K., & **Hughes, A.** (2013). Social relationships that impact life satisfaction and social competence in emerging adulthood. *Association for Psychological Science Abstracts*

Godwin, K.\*, **Hughes, A.**, & Haney, M. (2011). Using spatial contrast sensitivity to assess form perception in autism. *Association for Psychological Science Abstracts*.

- Hughes, A., & Dunn, A.\*** (2009). S-cone increment and decrement temporal contrast sensitivity. *Investigative Ophthalmology and Visual Science*, 42, 265
- DeMarco, P.J., Vukmanic, E.V., **Hughes, A.**, & Nussdorf, J. (2008). Nonlinearities in the ERG response to positive and negative flashes. *Investigative Ophthalmology and Visual Science*, 42, 265
- Buonocore, L.\*, & **Hughes, A.** (2007). College Adjustment Factors and Their Effect on Long Term Romantic Relationships *Association for Psychological Science Abstracts*, 18, 223
- Lindner, D.\*, **Hughes, A.**, & Fahy, R. (2007). Eating pathology and social comparison in college females. *Association for Psychological Science Abstracts*
- Gilmour, N.\*, Weisman, R., & **Hughes, A.** (2006). Perceptions of safety among workers in mental health care facilities. *Association for Psychological Science Abstracts*, 18, 223.
- McConnell, E.\*, Fahy, R., & **Hughes, A.** (2006). Impact of Parent-Child Relationship on Victimization of Foster Children. *Rocky Mountain Psychological Association Abstracts*.
- McConnell, E., & **Hughes, A.** (2005). Factors affecting conformity: Self-Esteem, cohesion, and situations involving teammates vs. strangers. *Eastern Psychological Association Abstracts*, 76, 52.
- Hughes, A.**, & DeMarco, P.J. (2004). L-M and S-cone increment and decrement detection during dynamic light adaptation. *Eastern Psychological Association Abstracts*, 75 1134.
- Shorey, S.\*, & **Hughes, A.** (2004). The impact of social support, coping, and test anxiety on academic performance. *Eastern Psychological Association Abstracts*, 75 2716
- McDowell, A., Davis, E., Bilotta, J., & Hughes, A. (2002). Cone contributions to the ERG a- and d-wave components of the developing zebrafish. *Neuroscience Abstracts*.
- Hughes, A.**, Purkiss, T.J., & DeMarco, P.J. (2001). S-cone increment and decrement detection during dynamic light adaptation. *Investigative Ophthalmology and Visual Science*, 42, 265.
- Hughes, A.**, Purkiss, T.J., & DeMarco, P.J. (2000). The time course of adaptation for stimuli presented along cardinal lines in color space. *Investigative Ophthalmology and Visual Science*, 41, 4293.
- Hughes, A.**, Purkiss, T.J., & DeMarco, P.J. (1999). Chromatic detection on fields modulated in chromaticity. *Investigative Ophthalmology and Visual Science*, 40, 1891.
- Ball, S.L., **Hughes, A.**, & Petry, H.M. (1999). Oscillatory potentials in the cone-dominated tree shrew multifocal ERG. *Investigative Ophthalmology and Visual Science*, 40, 1894.
- DeMarco, P.J., **Hughes, A.**, Purkiss, T.J., & Nussdorf, J.D. (1999). The morphology and sensitivity of electroretinogram responses associated with positive and negative flashes. *Investigative Ophthalmology and Visual Science*, 41, 71.

T.J. Purkiss, **Hughes, A.**, & DeMarco, P.J. (1999). Two spatiotemporal mechanisms contribute to sawtooth adaptation effects. *Investigative Ophthalmology and Visual Science*, 40, 244.

Bilotta, J., Saszik, S., **Hughes, A.**, Gilvin, C., & Abramov, I. (1998). Background illumination has differential effects on ERG spectral sensitivity of the developing zebrafish. *Neuroscience Abstracts*.

Purkiss, T.J., DeMarco, P.J., & **Hughes, R.A.** (1998). Detection of photopic and scotopic increments and decrements as a function of eccentricity. *Investigative Ophthalmology and Visual Science*, 39, 1894.

**Hughes, R.A.**, DeMarco, P.J., & Purkiss, T.J. (1998). Detection of luminance increments and decrements on temporally modulated fields. *Investigative Ophthalmology and Visual Science*, 39, 1908.

Purkiss, T. J., DeMarco, P. J., & **Hughes, R. A.** (1997). Psychophysical sensitivity to scotopic increments and decrements. *Investigative Ophthalmology and Visual Science*, 38, 1016.

DeMarco, P. J., **Hughes, R. A.**, & Purkiss, T. J. (1997). Threshold vs contrast (TVC) functions for detection of luminance increments and decrements. *Investigative Ophthalmology and Visual Science*, 38, 378.

**Hughes, R. A.**, Miller, S., & Bilotta, J. (1997). Cone contribution to the photopic spectral sensitivity function of the zebrafish ERG. *Investigative Ophthalmology and Visual Science*, 38, 895.

**Hughes, R. A.**, Patterson, W. F., Stephens, E. C., & Bilotta, J. (1996). An examination of Weber's law using the Mueller-Lyer illusion. *Investigative Ophthalmology and Visual Science*, 37, 1016.

\*Student Researcher

## PRESENTATIONS

Dillehay, K.\*, & **Hughes, A.** (2013). Social Relationships that Impact Life Satisfaction and Social Competence in Emerging Adulthood. Paper presented at the annual *Symposium on Student Scholarship, Berry College*

Godwin, K.\*, **Hughes, A.**, & Haey, M. (2011). Using spatial contrast sensitivity to assess form perception in autism. Paper presented at the annual *Symposium on Student Scholarship, Berry College*

Dunn, A.\*, & **Hughes, A.** (2010). S-cone increment and decrement detection in patients with ocular hypertension. Presentation given at *Berry College's Scholarship Day*.

McConnell, E.\*, & **Hughes, A.** (2005). Factors affecting conformity: Self-Esteem, cohesion, and situations involving teammates vs. strangers. *Poster presented at the annual Excellence in Academics and Scholarship, Nazareth College*

McConnell, E.\*, Fahy, R., and **Hughes, A.** (June 2005). The impact of the parent-child relationship on peer victimization and bullying of children who have been in the foster care system. Presentation given at *Buffalo State College's Research Experience for Undergraduates*.

Shorey, S.\*, & **Hughes, A.** (2004). The impact of social support, coping, and test anxiety on academic performance. *Poster presented at the annual Excellence in Academics and Scholarship, Nazareth College*

Smith, L\*. & **Hughes, A.** (May 2002). Temporal summation of light increments and decrements in the rod and s-cone pathways. *Poster presented at the annual Excellence in Academics and Scholarship, Nazareth College*

Palmesano, D.\*, L. & **Hughes, A.** (May 2002). Depression, aggression, and anxiety: Their effects on attitudes towards suicide. *Poster presented at the annual Excellence in Academics and Scholarship, Nazareth College*

Bockes, T., Bush, M., **Hughes, A.**, Ladriagan, P.M., & Page, D.A. (2001). Psychology Department Program Review. *Symposia given at the annual Eastern Psychological Association Conference, Washington, D.C.*

**Hughes, R.A.**, Purkiss, T.J., & DeMarco, P.J. (May 2000). The time course of adaptation for stimuli presented along cardinal lines in color space. *Poster presented at the annual Neuroscience Research Day, University of Louisville.*

**Hughes, R.A.**, DeMarco, P.J., & Purkiss, T.J. (March 1999). Detection of luminance increments and decrements on temporally modulated fields. *Poster presented at the annual Neuroscience Research Day, University of Louisville.*

Purkiss, T.J., DeMarco, P.J., & **Hughes, R.A.** (March 1999). Detection of photopic and scotopic increments and decrements as a function of eccentricity. *Poster presented at the annual Neuroscience Research Day, University of Louisville.*

Ball, S.L., **Hughes, R.A.**, Petry, H.M., Seiler, M.J., & Aramant, R. (March 1998). A non-invasive method for evaluation of function in animal models of retinal disease. *Poster presented at the annual Neuroscience Research Day, University of Louisville.*

**Hughes, R.A.**, & Bilotta, J. (April 1996). Determination of chromatic and luminance channels in the zebrafish visual system using an increment threshold technique. *Paper presented at the annual Sigma Xi Conference, Western Kentucky University.*

**Hughes, R.A.**, Patterson, W.F., & Bilotta, J. (November 1996). An analysis of the components that contribute to the Mueller-Lyer illusion using three psychophysical techniques. *Poster presented at the Kentucky and Tennessee Academy of Science Joint Conference.*

Patterson, W.F., **Hughes, R.A.**, & Bilotta, J. (November 1996). Generalization gradients in goldfish: Practice makes perfect. *Paper presented at the Kentucky and Tennessee Academy of Science Joint Conference.*

Stephens, E., **Hughes, R.A.**, Patterson, W.F., & Bilotta, J. (April 1995). A comparison of three psychophysical techniques across line length and the Mueller-Lyer illusion. *Poster presented at the annual Sigma Xi Conference, Western Kentucky University.*

**Hughes, R.A.**, & Bilotta, J. (April 1995). Chromatic properties of the zebrafish, *Brachydanio rerio*, electroretinogram. *Paper presented at the annual Sigma Xi Conference, Western Kentucky University.*

\*Student researcher

### **INDEPENDENT STUDENT RESEARCH (Faculty Sponsored)**

Sarah Beckwith. (Fall 2015-Spring 2017). Attitudes and Perceptions About Eating Disorders on College Campuses. **2015-2017 Richards Scholar**

Sam Marshall. (Fall 2015-Spring 2017). Ethnic Identity Development across Generations: An Insight into the Hispanic Self-Concept. **2015-2017 George Scholar**

Kelsey Dillehay. (Fall 2011-Spring 2013). *The Impact of the Parent-Child Relationship on Peer Victimization.* **2011-2013 George Scholar**

Godwin, K. (Fall 2009-Spring 2011). *Using spatial contrast sensitivity to assess form perception in autism.* **2009-2011 George Scholar**

Dunn, A. (Fall 2008-Spring 2010). *Using psychophysical masking to screen for primary open-angle glaucoma.* **2008-2010 George Scholar**

Buonocore, L. (Fall 2006). College adjustment factors and their effect on romantic relationships.

Flaherty, M. (Fall 2005/Spring 2006). Cutaneous pain thresholds across the menstrual cycle.

Gilmour, N. (Fall 2005). Perceptions of safety among workers in mental health care facilities.

Allen, J. (Fall, 2004). The quality of social and parental relationships on college students' self-esteem.

Rooke, S.I. (Fall, 2003). A correlational study on the relation of sexual arousal and personality traits as defined by the NEO.

McConnell, E. (Fall 2003). Factors affecting conformity: Self-Esteem, cohesion, and situations involving teammates vs. strangers.



Shorey, S. (Spring 2003). A correlation study of coping styles, social support and test anxiety and their impact on academic performance.

Smith, L. (Spring 2002). Temporal summation of light increments and decrements in the rod and s-cone pathways.

Palmesano, D., L. (Fall 2001-Spring 2002). Depression, aggression, and anxiety: Their effects on attitudes towards suicide.

Snieszky, E. (Spring 2001-Fall 2001) Factors affecting teachers' attributions of student performance in rural and urban school districts.

### **THESES SUPERVISED**

Funk, A. (2013). Contextual memory and eyewitness testimony. *Unpublished honor's thesis*. Berry College, Mt. Berry, Ga.

Godwin, K. (2010). Using spatial contrast sensitivity to assess form perception in autism. *Unpublished honor's thesis*. Berry College, Mt. Berry, Ga.

Taylor, J. (2003). Understanding the causes and influencing factors of attention deficit hyperactivity disorder. *Unpublished senior honor's thesis*. Nazareth College, Rochester, NY.

Hawkes, K.A. (2001). Musical psychoacoustics: Are human emotional responses to music the result of learned associations or the innate power of music. *Unpublished senior honor's thesis*. Nazareth College, Rochester, NY.

### **COLLEGE SERVICE**

*College-Wide Service at Berry College (2007-Present)*

College Advisory Committee on Promotion and Tenure-Academic Years 2015-2018

**Chair:** Ad hoc Committee on Faculty Reports (Spring 2015): Appointed by FA chair

Pre Med Selection Committee: 2014 to present

First-Year Advisory Committee: 2013-present

Lecture Capture/Video Management system selection committee: 2014-2015

Search Committee for position in Biology (outside member) 2014-2015

Provost Advisory Committee (Fall 2014): Appointed by President Briggs

Center for Integrity and Leadership Task Force (2014-2015): Appointed by Provost

Ad hoc Conference Committee on Faculty Compensation (Summer 2014).

Ad hoc Committee on Compensation and Benefits (2013-2014): Appointed by FA chair

Search Committee for position in Physics (outside member) 2013-2014

Search Committee for position in Animal Science (outside member) 2013-2014

Planning Council (Academic year 2013-2014 – as immediate past FA Chair)

Budget Advisory Committee (Academic Year 2013-2014 – as immediate past FA chair)

**Chair**-Faculty Assembly Executive Committee: Academic year 2012-2013

**Faculty Leader**- Degree Qualification Profile (DQP) Consortium: (2011-2013)

College Advisory Committee on Promotion and Tenure-Academic Years 2011-2014

Planning Council (Academic years 2012-2014 – as FA Chair)  
Budget Advisory Committee (Academic Year 2012-2013 – as FA chair)  
President’s Advisory Council (Academic Year 2012-2013 – as FA chair)  
General Education Task Force (Academic years 2009-2012): Appointed by Provost  
Ad hoc Committee on Student Engagement (2011-2012): Appointed by Provost  
**Vice Chair** of Faculty Assembly: Academic year 2011-2012  
Faculty representative-Admissions Committee Academic years 2010-2012  
Athletics Committee-FA Representative: Academic year: 2011-2012  
Faculty Development Committee: Academic years 2011-2012  
**Chair**, Council on Student Scholarship: Academic year 2011-2012  
Council on Student Scholarship: Academic year 2010-2011  
Faculty representative-Admissions Committee Academic year 2008-2009  
Academic Council. Academic years 2008-2010.  
**Co-chair**, Writing Across the Curriculum Committee (WAC). Academic Year 2009-2010.  
Writing Across the Curriculum Committee (WAC). Academic Year 2008-2009.  
**Chair**, Center for Teaching Excellence Committee. Academic Year 2008-2009.  
Center for Teaching Excellence Committee. Academic Year 2007-2009.  
Women Studies Committee. Academic years 2007-2011.  
Discover Berry (every year)  
Scholarship Day (Spring 2008; 2009; 2010; 2011; 2012)  
BCC 100: Academic years 2009-2010; 2012-2013; 2013-2014; 2014-2015; 2015-2016.

*College-Wide Service at Nazareth College*

Chair, Nazareth College's Human Subjects Research Committee (HSRC).  
Library Committee  
Elections Committee  
Physical Therapy department search committee. Academic year 2006-2007  
Physical Therapy department search committee. Academic year 2005-2006  
Middle States self-study, *Standard 2: Planning, Resource Allocation, and Institutional Renewal*.  
Task force to implement Information Literacy.  
Task force to explore models of Information Literacy  
Security committee.

*Departmental Service (Berry College and Nazareth College)*

Berry Psychology department search committee. Academic year 2008-2009.  
Berry Psychology Curriculum Committee: Academic years 2007 -present  
Faculty Sponsor for Psych Society (Berry College: 2007-present)  
First-Hand Friday (Spring 2008; 2009)  
Majors Fair (Fall 2007)  
Faculty Sponsor for Psychology peer mentoring program  
Psychology Club Advisor (2000-2007).  
Psychology department program review (Spring 2006).  
Psychology department search committee. Academic year 2005-2006  
Chair, Psychology department search committee. Academic year 2004-2005.  
Psychology department search committee. Academic year 2002-2003.  
Psychology department search committee. Academic year 2000-2001.