

Kevin D. Wilson

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PROFESSIONAL EXPERIENCE

- 2015-Present **Chair**, Interdisciplinary Studies, Gettysburg College
- 2014-2015 **Visiting Research Scientist**, School of Psychology, University of Auckland
- 2010- **Associate Professor**, Department of Psychology, Gettysburg College
- 2004- **Co-Chair**, Program in Neuroscience, Gettysburg College
- 2004-2010 **Assistant Professor**, Department of Psychology, Gettysburg College
- 2000-2004 **Research Fellow**, Center for Cognitive Neuroscience, Duke University
Supervisor: G.R. Mangun, Ph.D.

EDUCATION

- 1999 **Ph.D. University of Pennsylvania**, Experimental Psychology
Advisor: Martha J. Farah, Ph.D.
Thesis: Orientation Normalization in Visual Object Recognition: Behavioral and Functional Neuroimaging Studies
- 1995 **M.A. University of Pennsylvania**, Experimental Psychology
Advisor: Martha J. Farah, Ph.D.
- 1992 **B.A. Swarthmore College**, Philosophy and Psychology

HONORS AND AWARDS

- 2013-2014 **James McKeen Cattell Fund Fellowship**
- 2013-2014 **Fulbright Award, U.S. Scholars Program** (*Alternate*)
- 2007 **Support of Mentors and their Students in the Neurosciences Award**
- 2000-2003 **McDonnell-Pew Postdoctoral Fellowship**
- 1998-1999 **Dissertation Fellowship**, University of Pennsylvania, School of Arts and Sciences
- 1997-1998 **NRSA Training Fellowship**, University of Pennsylvania, Department of Neuroscience
- 1995 **McDonnell Summer Fellowship in Cognitive Neuroscience**
- 1995 **NSF Graduate Fellowship**, Honorable Mention
- 1994 **NSF Graduate Fellowship**, Honorable Mention

EXTERNAL GRANT SUPPORT

Source: James McKeen Cattell Fund Fellowship
 Title: Assessment of and Therapeutic Interventions for Visuospatial Deficits in Huntington's Disease
 Period: 9/01/13 – 8/31/14
 Direct Costs (Total): \$37,500
 Role: P.I.

Source: Support for Mentors and their Students in the Neurosciences (NSF)
 Title: Neural Correlates of Object-Based Shifts of Visual Attention
 Period: 6/01/07 – 12/31/07
 Direct Costs (Total): \$9,926
 Role: P.I.

Source: McDonnell-Pew Postdoctoral Fellowship
 Title: Reference Frame Effects in the Top-Down Control of Visuospatial Attention
 Period: 7/01/00 – 6/30/03
 Direct Costs (Total): \$150,000
 Role: P.I.

INTERNAL GRANT SUPPORT

Source: Gettysburg College Research and Professional Development Grant
 Title: Non-invasive Brain Stimulation as a Potential Therapeutic Tool in Huntington's Disease
 Period: October 2013 – June 2014
 Direct Costs (Total): \$5,300

Source: Gettysburg College Research and Professional Development Grant
 Title: Sabbatical Planning Trip
 Period: April 2013 – October 2013
 Direct Costs (Total): \$3,514

Source: Gettysburg College Research and Professional Development Grant
 Title: Neural Systems Associated with Object Recognition and Mental Rotation
 Period: April 2012 – October 2012
 Direct Costs (Total): \$2,091

Source: Gettysburg College Johnson Center for Creative Teaching and Learning
 Title: Creating an Undergraduate Laboratory Course on Non-Invasive Brain Stimulation
 Period: May 2010 – August 2010
 Direct Costs (Total): \$3,000

Source: Gettysburg College Research and Professional Development Grant
 Title: Influence of Sex Hormones on Object Recognition and Mental Rotation
 Period: April 2010 – April 2012
 Direct Costs (Total): \$3,690

PROFESSIONAL ACTIVITIES

Ad-Hoc Reviewer

Brain & Cognition

Cognitive Brain Research

Israel Science Foundation

Journal of Cognitive Neuroscience

Journal of Neuroscience

Journal of Undergraduate Neuroscience Education

Neuroimage

Neuropsychologia

Perception

Psychological Research

Conference and Symposia Committees

Slide Session Review Panel, Annual Meeting of the Cognitive Neuroscience Society (2010)

Symposium Review Panel, Annual Meeting of the Cognitive Neuroscience Society (2008; 2009)

Selection Committee, Outstanding Contribution to Undergraduate Bioethics, Neuroethics Society (2008)

Scientific Review Panel, Annual Meeting of the Cognitive Neuroscience Society (2004 – 2007)

External Honors Examiner

Swarthmore College (2013)

Society Memberships

Association for Psychological Science

Cognitive Neuroscience Society

Society for Neuroscience

Faculty for Undergraduate Neuroscience

TEACHING EXPERIENCE

Instructor:

General Psychology; Reading the Brain (First-Year Seminar); Cognitive Neuroscience; Cognitive Psychology; Advanced Laboratory in Cognitive Neuroscience; Research Methods, Gettysburg College

Teaching Assistant:

Introductory Psychology; Introduction to Brain and Behavior; Cognitive Psychology; Sensation and Perception, University of Pennsylvania (1996-1997)

Statistics, Swarthmore College (1991)

Guest Lecturer:

Philosophy of Mind; Diversity, and Difference; Criminology; Experimental Economics, Gettysburg College

Human Biology, University of Pennsylvania

HONORS RESEARCH STUDENTS

Monica Bilboul (University of Pennsylvania, Spring 1996)

"The Role of Symmetry in Viewpoint-Dependent Visual Object Recognition"

Currently: Neuropsychologist at Mt. Sinai School of Medicine, New York, NY.

Completed Ph.D. in Clinical Psychology at St. John's University in 2005.

Whitney Ashworth (Gettysburg College, Spring 2006)

"Selective Visual Attention in Those at Risk for Developing an Eating Disorder"

Currently: Private practice and Adjunct Assistant Professor at Northampton Community College.

Completed M.S.Ed in Psychological Services and M.Phil.Ed in Professional Counseling & Psychology at University of Pennsylvania in 2008.

Katherine Gamble (Gettysburg College, Spring 2006)

"The Vertical Association and Attentional Bias of Affective Pictures"

Completed PhD in Experimental Psychology at Georgetown University in 2014.

James Taylor (Gettysburg College, Spring 2009)

"The Role of the Eyes in Determining Emotional Expressions"

Currently: Ph.D. candidate at Dartmouth College, Department of Psychological and Brain Sciences.

Lindsey Dever (Gettysburg College, Spring 2009)

Individualized Major Entitled "Psychodrama: Theatrical Therapy"

Currently: Ph.D. candidate at Bryn Mawr College, Department of Psychology.

Andrew Furman (Gettysburg College, Spring 2010)

"Non-Conscious Face Processing Mechanisms"

Currently: Ph.D. candidate at Johns Hopkins University, Dept of Psychological and Brain Sciences.

INSTITUTIONAL SERVICE

2015-	Faculty Council
2013	Middle States Re-Accreditation Working Group, Gettysburg College
2011-	Departmental Assessment Coordinator
2009	Registrar Search Committee
2008-2011	Academic Program and Policy Committee (APPC), Gettysburg College (<i>Chair 2009-10</i>)
2008-2009	Faculty Representative to Academic Affairs Committee of the Board of Trustees, Gettysburg College
2007-2012	Institutional Review Board, Gettysburg College
2006-2012	Board of Directors, Gettysburg Child Care Corporation
2005- 2008	Committee on Learning Assessment (COLA), Gettysburg College
2004-	Information Technology Liaison, Department of Psychology, Gettysburg College

CAMPUS VOLUNTEER SERVICE

2008	Biosphere Jeopardy Faculty Participant
2007	GIV Day Project Leader
2006	First-Year Student Sexual Assault Prevention Workshop Leader

2006- First-Year Student Move-in Day
 2006 Panel Speaker for Psi Chi, Gettysburg College

INVITED TALKS

May 2014 **Cognitive Neuroscience Research Group, University of Auckland**
Posterior Midline Deactivations in Functional Brain Imaging

May 2014 **School of Psychology, University of Auckland**
Understanding The Role of the Parietal Cortex in Rotated Object Recognition and Mental Rotation: A Multi-Methodological Investigation

Mar 2014 **Centre for Brain Research, University of Auckland**
Using Non-Invasive Brain Stimulation to Investigate Cognitive Function: An Overview of Transcranial Direct Current Stimulation

Oct 2009 **Gettysburg College (Friday Faculty Lunch)**
Understanding the Relationship Between Object Recognition and Mental Rotation using the Brain, the Eyes, and Sex Hormones

Feb 2004 **Department of Psychology, Gettysburg College**
Reference Frame Effects in the Top-Down Control of Attention

Jan 2004 **Aptima, Inc., Woburn, MA**
Hemispheric Asymmetries in the Control of Object-Based Attention

Mar 2001 **Brain Imaging and Analysis Center, Duke University**
Reference Frame Effects in the Top-Down Control of Attention

Nov 1999 **Department of Psychology: Experimental, Duke University**
The Neural Basis of Rotated Object Recognition

Mar 1999 **Department of Psychology, University of Pennsylvania**
Orientation Normalization in Visual Object Recognition

Apr 1995 **Department of Psychology, University of Pennsylvania**
Pure Alexia and the Face Inversion Effect

PUBLICATIONS

(* indicates Gettysburg College undergraduate student)

Wilson, K.D. and *Taylor, J.M. (2009). Letters, not words, are processed holistically. *Perception*, 38, 1572-1574.

Wilson, K.D. (2006). Implementing an undergraduate laboratory course in Functional Magnetic Resonance Imaging. *Teaching of Psychology*, 33, 268-271.

Wilson, K.D. & Farah, M.J. (2006). Distinct patterns of viewpoint-dependent BOLD activity during common object recognition and mental rotation. *Perception*, 35, 1351-1366.

Wilson, K.D., Woldorff, M.G., & Mangun, G.R. (2005). Control networks and hemispheric asymmetries in parietal cortex during attentional orienting in different spatial reference frames. *Neuroimage*, 25, 668-683.

Wilson, K.D. & Farah, M.J. (2003). When does the visual system use viewpoint-invariant representations during recognition? *Cognitive Brain Research*, 16, 399-415.

Wilson, K.D. (1998). Issues surrounding the cognitive neuroscience of obsessive-compulsive disorder. *Psychonomic Bulletin & Review*, 5, 161-172.

Farah, M.J., **Wilson K.D.**, Drain H.M., & Tanaka, J.R. (1998). What is “special” about face perception? *Psychological Review*, 105, 482-498.

Farah, M.J., **Wilson, K.D.**, Drain, H.M, & Tanaka, J.R. (1995). The inverted face inversion effect in prosopagnosia: evidence for mandatory, face-specific perceptual mechanisms. *Vision Research*, 35, 2089-2093.

TEXTBOOK ANCILLIARY MATERIALS

Wilson, K.D. (2005). *Implementing an Undergraduate Laboratory Course in Functional Magnetic Resonance Imaging*. Sinauer Associates, Inc., Sunderland, MA.

PUBLICATIONS UNDER REVIEW

(* indicates Gettysburg College undergraduate student)

Wilson, K.D., *Taylor, J.M., *Gamble, K.R., Woldorff, M.G., & Mangun, G.R. Distinct object-based effects during orienting and reorienting shifts of visuospatial attention. *Attention, Perception, and Psychophysics*. (Revisions Requested)

*Hauser, D.J., Landau, M.J., **Wilson, K.D.**, & Meier, B.P. Affect and bodily space: Affective evaluation influences bodily verticality response efficiency. *Journal of Experimental Social Psychology*.

Wilson, K.D., & *Taylor, J.M. Cortical mechanisms for shifting and holding attention in different visual frames of reference. *Neuroimage*.

PUBLICATIONS IN PREPARATION

(* indicates Gettysburg College undergraduate student)

Moloney, E., **Wilson, K.D.**, & Addis, D.R. Transcranial direct current stimulation of the right posterior cerebellum interferes with autobiographical memory.

Wilson, K.D., Tippett, L.J, & Finucane, G. Hypomania induction in two patients with Huntington’s Disease after single sessions of transcranial direct current stimulation.

Wilson, K.D. Implementing a novel undergraduate laboratory course in transcranial direct current stimulation.

CONFERENCE PRESENTATIONS

(* indicates Gettysburg College undergraduate student)

- Moloney, E., **Wilson, K.D.**, & Addis, D.R. (2014). Testing the role of the cerebellum in autobiographical memory using non-invasive brain stimulation. *Presented at the 2014 Kiwi Cognition and Memory Meeting, Auckland, NZ.*
- Wilson, K.D.** (2012). Implementing an undergraduate laboratory course in transcranial direct current stimulation. *Presented at the 2012 Society for Neuroscience Annual Meeting, New Orleans, LA.*
- Wilson, K.D.** & *Mintus, M.A. (2010). Sex hormones differentially influence mental rotation and rotated object recognition during the menstrual cycle. *Presented at the 2010 Cognitive Neuroscience Society Annual Meeting, Montreal, Canada.*
- *Taylor, J.M. & **Wilson, K.D.** (2007). Neural correlates of object-based shifts of visuospatial attention. *Presented at the Faculty for Undergraduate Neuroscience Poster Session at the 2007 Society for Neuroscience Annual Meeting, San Diego, CA.*
- *Hauser, D. J., **Wilson, K. D.**, & Meier, B. P. (2007). Something's "up" on the side: Affect, vertical space, and reference frame. *Presented at the 2007 annual meeting of the Association for Psychological Science, Washington, DC.*
- Wilson, K.D.**, *Gamble, K.R., & *Taylor, J.M. (2006). Differential saccadic suppression during misoriented object recognition and mental rotation. *Presented at the 2006 Society for Neuroscience Annual Meeting, Atlanta, GA.*
- Wilson, K.D.** (2005). Implementing a functional neuroimaging laboratory course in an undergraduate liberal arts environment. *Presented at the 2005 Society for Neuroscience Annual Meeting, Washington, DC.*
- Wilson, K.D.**, *Ashworth, W., *Doyle, M., *Mavraganis, E., & *Mulrane, K. (2005). A parametric manipulation of the Thatcher Illusion in face recognition. *Presented at the 2005 Society for Neuroscience Annual Meeting, Washington, DC.*
- Wilson, K.D.**, *Schmidt, K.S., *Gamble, K.R., Woldorff, M.G., & Mangun, G.R. (2005). Distinct object-based effects during initial and reorienting shifts of visual spatial attention. *Presented at the 2005 Cognitive Neuroscience Society Annual Meeting, New York, NY.*
- Wilson, K.D.**, Bermudez, J.P., Woldorff, M.G., & Mangun, G.R. (2004). Psychophysical evidence for distinct object-based effects during top-down and bottom-up shifts of visual spatial attention. *Presented at the 2004 Society for Neuroscience Annual Meeting, San Diego, CA.*
- Wilson, K.D.** & Mangun, G.R. (2002). Orienting visual attention in different spatial frames of reference: a rapid, event-related fMRI investigation. *Presented at the 2002 Society for Neuroscience Annual Meeting, Orlando, FL.*

- Wilson, K.D.** & Mangun, G.R. (2001). Reference frame effects in the top-down control of visual attention: an event-related fMRI investigation. *Presented at the 2001 Society for Neuroscience Annual Meeting, San Diego, CA.*
- Wilson, K.D.** & Mangun, G.R. (2001). Reference frame effects in the top-down control of visual attention: an event-related fMRI investigation. *Presented at the 2001 Cognitive Neuroscience Society Annual Meeting, New York, NY.*
- Wilson, K.D.** & Farah, M.J. (1999). The neural basis of orientation normalization in object recognition. *Presented at the 1999 Society for Neuroscience Annual Meeting, Miami, FL.*
- Wilson, K.D.** & Farah, M.J. (1999). An fMRI study of rotated object recognition. *Presented at the 1999 Cognitive Neuroscience Society Annual Meeting, Washington, D.C.*
- Wilson, K.D.**, Zhang, L., Aguirre, G.K., & Farah, M.J. (1997). Differences in neural activity associated with the use of different frames of reference: an fMRI study. *Presented at the 1997 Cognitive Neuroscience Society Annual Meeting, Boston, MA.*