

Curriculum Vitae

Andrew J. Butler, Ph.D.

Visiting Assistant Professor
Butler University

Cognition & Action Neuroimaging Laboratory
Indiana University, Bloomington

Contact Information

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Recent Employment:

Fall 2012-current: Visiting Assistant Professor at Butler University

Spring - Summer 2012: Postdoctoral Research Assistant at Indiana University

Spring 2012: Adjunct Instructor Butler University

Education:

2006-2011 Ph.D. double major in Psychology and Neural Science,
Indiana University

Thesis title: "The Impact of Multisensory and Active Learning on Associative Perception and Memory"

Advisor: Dr. Karin Harman James

2002-2006 Bachelor of Arts in Psychology, Butler University

Honors Thesis Title: "Emotion and Speed of Memory Retrieval: The effects of Arousal, Valence, and Directed Forgetting."

Advisor: Dr. John Neil Bohannon

Awards, Honors, and Fellowships

GPSO Travel Award

Graduate students present award (Cognitive Neuroscience Society)

Indiana University Fellowship in the Program for Neural Science's 5-year Ph.D. program

Stuart Fellowship

Butler Summer Institute (Summer Fellowship funded by the Lily Foundation)

Butler University Cum Laude Departmental Honors

Butler University Academic Scholarship

Butler Grant

Butler Class of 1950 Scholarship

Research Interests

I am interested in how active and multisensory learning impact later performance on a variety of tasks. Recent published articles have focused on the impact of active motor and multisensory learning on subsequent perception and memory at the behavioral and neural levels

The modulation of memory by emotion and its impact on later mnemonic processing

Research Experience

2006-2012 Indiana University: Dr. Karin James' Cognition & Action Neuroimaging Laboratory

2004-2006 Butler University: Dr. Neil Bohannon's Emotional Memory Laboratory

Teaching Experience

Classes Instructed

2013 Spring Semester: PS210 Research Methods and Statistics (Butler University)
(one section)

2013 Spring Semester: SW250 Psychological Inquiry (Introduction to Psychology)
(Butler University) (three sections total)

2012 Spring and Fall Semester: SW250 Psychological Inquiry (Introduction to Psychology)
(Butler University) (four sections total)

2012 Spring and Fall Semester: P385 Cognitive Processes (Butler University)
(two sections total)

2009 Spring and Summer semester: P211 Experimental Methods in Psychology (Indiana University) (three sections total)

Classes Assisted

2008 Fall semester P457: Reproductive Neuroscience

Guest Lectures

2009 Emotional Responses: The Brain, Hormones, and Evolution

2008 The Science of Stress

Professional Organizations and Memberships

2010-2012 Vision sciences society (VSS)

2007-2012 Cognitive Neuroscience Society (CNS)

2004-2006 Association for Psychological Science (APS)

2004-2006 Southeastern Psychological Association (SEPA)

Service and Volunteer Organizations

2008 Coordinator for the Indiana University Neuroimaging Group

2012 Moderator for Butler Undergraduate Research Conference

Undergraduate Supervision

Current Elizabeth Davis (Butler University)

Current Kathryn Kirkham (Butler University)

2010-2011 Bennis Pavasian (Indiana University) (Completed honors thesis)

2009 Nathan McAninch (Indiana University)

2008-2009 Dylan Bargatze (Indiana University)

2007-2009 Corey Wright (Indiana University)

2006-2007 Dana Garza (Indiana University)

Peer-reviewed Journal Articles

Butler, A.J., James, K.H. (2013). Active learning of novel sound-producing objects: Motor reactivation and enhancement of visuo-motor connectivity. *Journal of Cognitive Neuroscience*, 25, 203-218.

Butler, A.J., James, T.W., & Harman James, K. (2011). Enhanced multisensory integration and motor reactivation after active motor learning of audiovisual associations. *Journal of Cognitive Neuroscience*, 23, 3515–3528.

Butler, A.J., & James, K.H. (2011). Cross-modal versus within-modal recall: Differences in behavioral and brain responses. *Behavioral Brain Research*, 224, 387-396.

Butler, A.J., James, K.H. (2010). The neural correlates of attempting to suppress negative versus neutral memories. *Cognitive, Affective, & Behavioral Neuroscience*, 10, 182-194.

Oral Presentations

Butler, A.J., James, K. (2009). Cued retrieval of novel auditory or visual stimuli activates modality specific cortices regardless of correct performance. Cognitive Neuroscience Society, San Francisco, CA.

Butler, A.J., James, K. (2009) The recognition of actively vs. passively learned audiovisual associations. Indiana University Neuroimaging Group.

Butler, A.J., James, K. (2009). Memory related activity during the retrieval of within- and cross-modal associations. Indiana University Neuroimaging Group.

Butler, A.J., James, K. (2007). Neural correlates of suppressing negative versus neutral memories: differences in hippocampal activation. Indiana University Neuroimaging Group.

Butler, A.J., James, K. (2007). Suppressing the recall of negative versus neutral memories. Indiana University Neuroimaging Group.

Conference Proceedings

Butler, A., Pavisian, B., & James, K.H. (2012). Neural differences in translating abstract versus concrete visual representations into actions. Cognitive Neuroscience Society, Chicago, IL.

Butler, A., Harman James, K. (2011). Active motor learning of audiovisual objects. Vision Sciences Society, Naples, FL.

Butler, A., James, K. (2010). The Recognition of Actively vs. Passively Learned Audiovisual Associations. Cognitive Neuroscience Society, Montreal, QB.

Butler, A., James, K. (2008). Suppressing Negative Versus Neutral Memories: The Effect of Emotion on Activation in the Hippocampus and Amygdala. Cognitive Neuroscience Society, San Francisco, CA.

Butler, A., James, K. (2007). Neural Correlates of Suppressing Negative Versus Neutral Memories: Differences in Hippocampal Activation. Indianapolis Chapter of the Society for Neuroscience.

Butler, A., Bohannon, J.N. (2006). Things Better Remembered Are Remembered Quickly: Effects of Arousal and Valence. Southeastern Psychological Association, Atlanta, GA.

Butler, A., Bohannon, J.N., Lesmeister, L. (2006). Emotion, Evaluation, and Speed of Memory Retrieval: The effects of Arousal, Valence. American Psychological Society, New York, NY.

Rois, A., Butler, A., Bohannon, J.N. (2005). Joint Recollection: Collaborative Inhibition is Illusory. American Psychological Society, Los Angeles, CA.

Rois, A., Butler, A., Bohannon, J.N. (2005). Two Headed Memory and Collaborative Inhibition. Southeastern Psychological Association, Nashville, TN.