

Curriculum Vitae

Paul D. Kieffaber
Assistant Professor
Department of Psychology
College of William & Mary
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EDUCATION

Ph.D.	2006	Psychology & Cognitive Science (<i>dual-degree</i>)	Indiana University, Bloomington
M.A.	2000	Psychology	California State University, Fullerton
B.S.	1995	Psychology	Colorado State University

ACADEMIC APPOINTMENTS

Assistant Professor	Department of Psychology	College of William and Mary	2008 - Present
Postdoctoral Fellow	School of Medicine	University of Pittsburgh	8/07 – 8/08
Postdoctoral Fellow	Department of Psychology	Carnegie Mellon University	8/06 – 8/07

PUBLICATIONS (^{W&M} = published following my appointment to William and Mary)

BOOKS

Dickter, C. & Kieffaber, P. D., (in Press) *EEG Methods in Social and Personality Psychology*

JOURNAL ARTICLES

^{W&M}Lindbergh, C. A., Kieffaber, P. D. (In Press) The Neural Correlates of Temporal Judgments in the Duration Bisection Task. *Neuropsychologia*.

^{W&M}Kieffaber, P. D., Kruschke, J. K., ^{W&M}Walker, P. M., Cho, R. Y., & Hetrick, W. P. (In Press) The contributions of stimulus- and response-set to control and conflict in task-set switching. *Journal of Experimental Psychology: Human Perception and Performance*.

^{W&M}Kieffaber, P. D., Cho, R. Y. (2010) Induced cortical gamma-band oscillations reflect cognitive control elicited by implicit probability cues in the preparing to overcome prepotency (POP) task. *Cognitive Affective & Behavioral Neuroscience*, 10, 431-440.

^{W&M}Brenner, C.A., Kieffaber, P. D., Johannesen, J.K., O'Donnell, B. F., Hetrick, W. P. (2009) Event-related potential abnormalities in Schizophrenia: A failure to 'gate-in' salient information?, *Schizophrenia Research*, 113 (2-3), 332-338.

^{W&M}Paytner, C., Kieffaber, P. D., Reder, L.M. (2009) Knowing we know before we know: ERP correlates of initial feeling-of-knowing. *Neuropsychologia*, 47 (3), 796-803.

^{W&M}Reder, L. M., Park, H., & Kieffaber, P. D. (2009) Memory systems do not divide on consciousness: Reinterpreting memory in terms of activation and binding. *Psychological Bulletin*, 135 (1), 23-49.

^{W&M} Carroll, C., Kieffaber, P. D., Vohs, J.L., O'Donnell, B. F., Shekhar, A., Hetrick, W. P. (2008) Contributions of Spectral Frequency Analyses to the Study of P50 ERP Amplitude and Suppression in Bipolar Disorder With or Without a History of Psychosis. *Bipolar Disorders*, 10 (7), 776-787

Vohs, J.L., Hetrick, W. P., Kieffaber, P. D., Bodkins, M., Bismark, A., Shekhar, A., & O'Donnell, B. F. (2008), Visual event-related potentials in schizotypal personality disorder and schizophrenia. *Journal of Abnormal Psychology*, 117 (1), 119-131

Kieffaber, P. D., Marcoulides, G. A., White, M., & Harrington, D. E., (2007) Modeling the ecological validity of neurocognitive assessment in adults with acquired brain injury. *Journal of Clinical Psychology in Medical Settings*, 14 (3), 206-218

Kieffaber, P. D., O'Donnell, B. F., Shekhar, A., & Hetrick, W. P., (2007) Event-related brain potential evidence for preserved attentional set switching in schizophrenia. *Schizophrenia Research*, 93, 355-365.

Kieffaber, P. D., Kappenman, E., O'Donnell, B. F., Shekhar, A., Bodkins, M., & Hetrick, W. P. (2006) Shifting and maintenance of task set in schizophrenia. *Schizophrenia Research*, 84 (2-3), 345-358.

Kieffaber, P. D. & Hetrick, W. P. (2005). Event-related Potential Correlates of Task-switching and Switch Costs. *Psychophysiology*, 42, 56-71.

Brown, S. M., Kieffaber, P. D, Vohs, J. L., Carroll, C. A., Tracy, J. A., Shekhar, A., O'Donnell, B. F., Steinmetz, J. E., & Hetrick, W. P. (2005). Eye-blink conditioning deficits indicate timing and cerebellar abnormalities in schizophrenia. *Brain and Cognition*, 58, 94-108.

Zirnheld, P. J., Carroll, C. A., Kieffaber, P. D., O'Donnell, B. F., Shekhar, S., & Hetrick, W. P. (2004). Haloperidol Impairs Learning and Error-Related Negativity (ERN) in Humans. *Journal of Cognitive Neuroscience*, 16 (6), 1098-1112.

GRANTS (^{W&M} = Intramural)

Current

COGNISION™ System Grant Program

Title: Evaluating the utility of event-related potentials for the identification of early-stage Alzheimer's in a clinical setting.

Costs: \$33,000 (Award value)

NIH R15 AREA Grant (\$442,756)

Title: Influences of Parental Smoking on Pre-Adolescents' Reactivity to Smoking-Related Stimuli

Role: Senior Personnel

Completed

^{W&M} Interdisciplinary Initiatives Grant (\$5,000)

Title: Using wireless EEG to measure clinically relevant variables.

Role: PI

^{W&M} QEP Mellon Grant

Embedding Inquiry-based Learning Into Cognitive Psychophysiology (PSYC 470)

9/09 - 5/10

Role: PI

^{W&M} Faculty Summer Research Grant

Project: Synchronous Cortical Gamma Oscillations and Cognitive Conflict

5/09 - 9/09

Role: PI

SYMPOSIA

Kieffaber, P. D. (September 2012). Maintaining a productive research lab utilizing undergraduate and Masters students. Symposium at the annual meeting of Society for Psychophysiological Research. New Orleans, LA.

Dickter, C. L., Forestell, C. A., & Kieffaber, P. D. (September, 2012). *Determinants of P3 Attentional Bias to Smoking-Related Stimuli in Smokers and Non-smokers: The Role of Craving and Image Content*. Symposium at the annual meeting of Society for Psychophysiological Research. New Orleans, LA.

INVITED TALKS

05/30/2012 – *Automated Correction of Ocular Artifacts in EEG*

Indiana University Bloomington

05/18/2012 – *Event-related Brain Potential Correlates of Cognitive Control*

Old Dominion University

02/17/2012 – *Event-related Brain Potential Correlates of Cognitive Control*

St. Mary's College of Maryland

10/20/2011 – *Brain Correlates of Cognitive Control in the Context of Task-set Switching*

University of Colorado, Colorado Springs

03/08/2011 – *Neural Correlates of Time Perception*

Christopher Newport University – Department of Psychology

09/17/2010 – *Cognitive Psychophysiology*

Monroe Scholars Symposium Series at the College of William & Mary

03/25/2010 – *Measuring Attention using the Steady-state Visual Evoked Potential*

Neuroscience Symposium at the College of William & Mary

03/18/2010 – *Neural Basis of Attention in Category Learning*

Applied Science Colloquium Series at the College of William & Mary

02/19/2007 – *Control and Conflict in Task Set Switching*

University of Pittsburgh School of Medicine

PRESENTATIONS AT NATIONAL MEETINGS (^{W&M} = William & Mary student)

- W&M*Dombrowski, J. T., *W&M*Fuller, A., Kieffaber, P. D., Thrash, T. M., & *W&M*Elliot, A. J., Avoidance temperament moderates skin conductance responses to moderately arousing negative pictures. Society for Personality and Social Psychology (2013)
- W&M*Gayle, L. C., Kieffaber, P.D., (2012) The effect of autism spectrum personality on the visual mismatch negativity. Society for Research in Psychophysiology, New Orleans, LA
- W&M*Lindbergh, C., Kieffaber, P. D. (2012) Age-related changes in the neural correlates of temporal decision-making. Cognitive Neuroscience Society, Chicago, IL
- W&M*Hershaw, J. N., Kieffaber, P. D. (2012) Electrophysiological evidence for scalar variance in temporal processing. Cognitive Neuroscience Society, Chicago, IL
- W&M*Gayle, L. C., *W&M*Gal, D. E., Kieffaber, P.D., (2012) Mu correlates of autism spectrum personality. Society for Research in Psychophysiology, Boston, MA
- W&M*Gyurovski, I., Dickter, C.L., Kieffaber, P.D., (2012) Differential implicit associations between majority and minority groups and corresponding stereotype content. Society for Personality and Social Psychology, San Diego, CA.
- W&M* Hershaw, J.N, *W&M* DiGregorio, A.M., & Kieffaber, P.D. (2011). ERP and behavioral correlates of timing dysfunction in schizotypy. Association for Psychological Science, Washington DC.
- W&M* Hershaw, J. & Kieffaber, P. D. (2010). ERP correlates of switching attention, responses, and cognitive operations in a task-switching paradigm. Society for Psychophysiological Research, Portland, OR.
- W&M* Holt, K. & Kieffaber, P. D. (2010). Age-related changes in cognitive control and conflict processing. Cognitive Neuroscience Society, Montreal, Canada.
- W&M* Holt, K. & Kieffaber, P. D. (2010). Neural correlates of anticipatory attention and response preparation in a task-switching paradigm. Eastern Psychological Association, Brooklyn, N. Y.
- W&M* Gagnon, K. T., Kieffaber, P. D., & Stanton, R. D. (2010). Attentional modulation of the visual-evoked steady state potential during category learning. Eastern Psychological Association, Brooklyn, N. Y.
- Forster, S. E., Cho, R. Y., Kieffaber, P. D., Carter, C. S., (2008). Considerations in the evaluation of post-error compensatory behavior in schizophrenia patients and healthy controls. Society for Research in Psychopathology, Pittsburgh, PA.
- Kieffaber, P. D., Shekhar, A., O'Donnell, B. F., & Hetrick, W. P. (2007) .Dissociating attention from intention in schizophrenia. Society for Research in Psychopathology, Iowa City, IA.
- Johannesen, J. K., Kieffaber, P. D., Vohs, J. L., Evans, J. D., & Hetrick, W. P. (2004) . Sensory gating as a function of schizophrenia subtype. Society for Research in Psychopathology, St.Louis, MO.
- Kieffaber, P. D. & Hetrick, W. P. (2004) . ERP correlates of set switching and switch costs. Society for Psychophysiological Research, SantaFe, NM.

Kappenman, E. S., Kieffaber, P. D., Kruschke, J. K. & Hetrick, W. P. (2003) Inverse base-rates and illusory correlations in schizotypal personality disorder. Society for Research in Psychopathology.

Brown, S. M., Kieffaber, P. D., Vohs, J. L., Shekhar, A., Steinmetz, J. E., & Hetrick, W. P. (2003) Examination of neural timing circuits in schizophrenia with eye-blink conditioning methodology. Society of Biological Psychiatry, San Francisco, CA.

Carroll, C. A., Kieffaber, P. D., Oonnell, B. F., Vohs, J. L., Blevins, V., Shekhar, A. & Hetrick, W. P. (2003) . P50 sensory gating in bipolar disorder. Society of Biological Psychiatry, San Francisco, CA.

Brown, S. M., Kieffaber, P. D., Tracy, J., Vohs, J. L., Shekhar, A., Steinmetz, J. E., & Hetrick, W. P. (2002) . Eye-blink conditioning in schizophrenia. Society for Psychophysiological Research, Washington, D.C.

Kieffaber, P. D. & Hetrick, W. P. (2002) ERP correlates of attention shifting. Society for Psychophysiological Research, Washington, D.C.

Zirnheld, P. J., Hetrick, W. P., Carroll, C. A., Kieffaber, P. D., Oonnell, B. F., & Shekhar, A. (2002) Impact of haloperidol on the error-related negativity and measures of learning. Society for Psychophysiological Research, Washington, D.C.

Brenner, C. A., Edwards, C. R., Kieffaber, P. D., Carroll, C. A., & Hetrick, W. P. (2002) Concurrent assessment of P50 and acoustic startle gating. Society for Psychophysiological Research, Washington, D.C.

Hetrick, W. P., Kieffaber, P. D., Barron, J. L., White, M. H., & Sandman, C.A. (2002) .Sensory gating in autism. Society for Biological Psychiatry, Philadelphia, PA.

Carroll, C. A., Kieffaber, P. D., Hetrick, W. P., Oonnell, B. F., Vohs, J., Blevins, V., & Shekhar, A. (2002) . P50 and acoustic startle inhibition in bipolar disorder. Society for Biological Psychiatry, Philadelphia, PA.

Kieffaber, P. D. & Hetrick, W. P. (2001) Behavioral and psychophysiological correlates of shifting attention focus. American Psychological Society, Toronto, Canada.

Harrington, D. E., Kieffaber, P. D., Bayhan, G., Hunter-Schwartz, S., (2000) Evaluation of an Educationally-Based Model of Extended Care Service Delivery. Williamsburg Traumatic Brain Injury Rehabilitation Conference.

Kieffaber, P. D., Wexler, H. K., (2000) Psychological Correlates of Dieting and Weight Loss. Western Psychological Association, Maui, HI.

Harrington, D. E., Kieffaber, P. D. & Bayhan, G., (1999) Coastline Acquired Brain Injury Program: An Innovative Approach to Cognitive Retraining. Federal Interagency Conference on Traumatic Brain Injury.

PRESENTATIONS AT LOCAL/REGIONAL MEETINGS (^{W&M} = William & Mary student)

Hershaw, J.N., Holt, K.A., & Kieffaber, P.D. (April 2010). Neural correlates of anticipatory attention and response preparation in a task switching paradigm. Poster presented at the annual Colonial Academic Alliance Undergraduate Research Conference, Richmond, VA.