

# Christopher Terry Lovelace, PhD

Department of Psychology  
Shepherd University  
P.O. Box 5000  
Shepherdstown, WV 25443  
Office: Stutzman-Slonaker Hall, Room 102-B  
Voice: (304) 876-5315  
E-mail: [clovelac@shepherd.edu](mailto:clovelac@shepherd.edu)  
Web: <https://www.shepherd.edu/psychology/lovelace-home/>  
Orcid ID: [orcid.org/0000-0003-1741-0017](https://orcid.org/0000-0003-1741-0017)

## Education

American University, Washington, DC  
PhD - Psychology      May, 2000

American University, Washington, DC  
MA - Psychology      May, 1993

Wake Forest University, Winston-Salem, NC  
BA - Psychology (Music minor)      May, 1990

## Employment

<u>Chair</u> Department of Psychology, Shepherd University, Shepherdstown, WV	October 2018 – present
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<u>Associate Professor</u> Department of Psychology, Shepherd University, Shepherdstown, WV	May 2016 – present
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<u>Assistant Professor</u> Department of Psychology, Shepherd University, Shepherdstown, WV	Aug. 2011 – Apr. 2016
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<u>Assistant Professor</u> Department of Psychology, University of Missouri – Kansas City, Kansas City, MO	Aug. 2003 – May 2011
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<u>Postdoctoral Research Fellow</u> Supervisor: George F. Wittenberg, MD, PhD Wake Forest University School of Medicine, Department of Neurology, Winston-Salem, NC	June 2002 – July 2003
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Postdoctoral Research Fellow

Supervisors: Barry E. Stein, PhD and Mark T. Wallace, PhD  
Wake Forest University School of Medicine, Department of Neurobiology and Anatomy, Winston-Salem, NC

Nov. 1999 –  
May 2002

Research Consultant

Frances H. Gabbay, PhD and Connie C. Duncan, PhD  
Uniformed Services University of the Health Sciences, Department of Psychiatry, Bethesda, MD

Oct. 1997 –  
Sept. 1999

Predoctoral Intramural Research Fellow

Supervisor: Alan F. Mirsky, PhD  
National Institute of Mental Health, Laboratory of Brain and Cognition, Section on Experimental and Clinical Neuropsychology, Bethesda, MD

June 1995 –  
May 1999

Research Assistant

Frances H. Gabbay, PhD  
Uniformed Services University of the Health Sciences, Department of Medical and Clinical Psychology, Bethesda, MD  
Connie C. Duncan, PhD  
National Institute of Mental Health, Laboratory of Psychology and Psychopathology, Bethesda, MD

June 1992 –  
May 1995

Research Assistantship

Burton M. Slotnick, PhD  
American University, Department of Psychology, Washington, DC

Sept. 1991 –  
May 1992

Research Fellowship

T. Owen Jacobs, PhD and Stephen Stewart, PhD  
Army Research Institute for the Behavioral and Social Sciences, Executive Development Research Group, Alexandria, VA

Feb. 1991 –  
Aug. 1991

**Teaching experience**

*PYSC 101 Introduction to Psychology*  
*PYSC 101H Honors Introduction to Psychology*  
*PSYC 250 Statistics for the Social Sciences*  
*PSYC 299 Introduction to the Psychology Major*  
*PSYC 251 Research Methods in Psychology*  
*PSYC 361 Biopsychology*  
*PSYC 365 Drugs and the Brain*  
*PSYC 370/370L Sensation and Perception, S&P Lab*  
*PSYC 420 History & Systems of Psychology*  
*PSYC 484 Directed Readings*  
*PSYC 485 Senior Thesis*

Last taught  
Spring 2022  
Spring 2021  
Summer 2020  
Spring 2021  
Spring 2022  
Spring 2022  
Fall 2021  
Fall 2021  
Spring 2019  
Spring 2021  
Fall 2021

## Publications

*italic*=student author Citation counts as of May 8, 2020 from Google Scholar

- Lovelace, C. T., & Blumenthal, T. D.** (1991). Hand dominance and the modification of the acoustically elicited startle response by a vibrotactile prepulse. *Psychobiology*, 19(3), 265-273. <https://doi.org/10.3758/BF03332079> (3 citations)
- Lovelace, C. T., & Slotnick, B. M.** (1995). Memory for brief, widely spaced odor presentations in the rat. *Chemical Senses*, 20(2), 183-190. <https://doi.org/10.1093/chemse/20.2.183> (12 citations)
- Grossenbacher, P. G., & **Lovelace, C. T.** (2001). Mechanisms of synesthesia: Cognitive and physiological constraints. *Trends in Cognitive Sciences*, 5(1), 36-41. [https://doi.org/10.1016/S1364-6613\(00\)01571-0](https://doi.org/10.1016/S1364-6613(00)01571-0) (645 citations)
- Lovelace, C. T., & Partan, S.** (2001). Integrating sensory integration. *Trends in Cognitive Sciences*, 5(2), 48-49. (Review of the Second Annual Multisensory Research Conference.) [https://doi.org/10.1016/S1364-6613\(00\)01589-8](https://doi.org/10.1016/S1364-6613(00)01589-8) (9 citations)
- Lovelace, C. T., Stein, B. E., & Wallace, M. T.** (2003). An irrelevant light enhances auditory detection in humans: A psychophysical analysis of multisensory integration in stimulus detection. *Cognitive Brain Research*, 17, 447-453. [https://doi.org/10.1016/S0926-6410\(03\)00160-5](https://doi.org/10.1016/S0926-6410(03)00160-5) (252 citations)
- Lovelace, C. T., Elmore, W. R., & Fillion, D. L.** (2006). Infrared reflectance as an alternative to EMG for measuring prepulse inhibition of startle eyeblink. *Psychophysiology*, 43(5), 511-515. <https://doi.org/10.1111/j.1469-8986.2006.00449.x> (10 citations)
- Lovelace, C. T., Derakhshani, R., Tankasala, S. P. K., & Fillion, D. L.** (2009). Classification of startle eyeblink metrics using neural networks. *Proceedings of the 2009 International Joint Conference on Neural Networks, Atlanta, GA*, 1908-1914. <https://doi.org/10.1109/IJCNN.2009.5179040> (5 citations)
- Duncan, C. C., Mirsky, A. F., **Lovelace, C. T.**, & Theodore, W. H. (2009). Assessment of the attention impairment in absence epilepsy: Comparison of visual and auditory P300. *International Journal of Psychophysiology*, 73(2), 118-122. <https://doi.org/10.1016/j.ijpsycho.2009.03.005> (33 citations)
- Derakhshani, R. & **Lovelace, C. T.** (2011). An ensemble method for classifying startle eyeblink modulation from high-speed video records. *IEEE Transactions on Affective Computing*, 2(1), 50-63. <https://doi.org/10.1109/T-AFFC.2010.15> (8 citations)
- Roberg, B. L., Bruce, J. M., **Lovelace, C. T.**, & Lynch, S. (2012). How patients with multiple sclerosis perceive cognitive slowing. *The Clinical Neuropsychologist*, 26(8), 1278-1295. <https://doi.org/10.1080/13854046.2012.733413> (16 citations)
- Lovelace, C. T.** (2013) Synesthesia in the 21st century: Synesthesia's ascent. In Simner, J. & Hubbard, E. M. (Eds.), *Oxford Handbook of Synesthesia* (pp. 409-439). Oxford UK: Oxford University Press. (4 citations)
- Duval, E. R., **Lovelace, C. T.**, Aarant, J., & Fillion, D. L. (2013). The time course of face processing: Startle eyeblink response modulation by face gender and expression. *International Journal of Psychophysiology*, 90(3), 354-357. <https://doi.org/10.1016/j.ijpsycho.2013.08.006> (12 citations)

- Saripalle, S. K., Paiva, G. C., Cliett III, T. C., Derakhshani, R., King, G. W., & Lovelace, C. T.* (2014). Classification of body movements based on posturographic data. *Human Movement Science, 33*, 238-250. <https://doi.org/10.1016/j.humov.2013.09.004> (28 citations)
- Wittenberg, G. F., **Lovelace, C. T.**, *Foster, D.*, & Maldjian, J. (2014). Functional neuroimaging of dressing-related skills. *Brain Imaging and Behavior, 8*, 335-345. <https://doi.org/10.1007/s11682-012-9204-1> (5 citations)
- Mullin, D. S., King, G., Saripalle, S. K., Derakhshani, R. R., Lovelace, C. T., Burgoon, J. K.* (2014). Deception effects on standing center of pressure. *Human Movement Science, 38*, 106-115. <https://doi.org/10.1016/j.humov.2014.08.009> (5 citations)
- Duval, E. R., **Lovelace, C. T.**, Gimmestad, K. D., Aarant, J., & Filion, D. L. (2018). Flashing a smile: Startle eyeblink modulation by masked affective faces. *Psychophysiology, 55*(4), 1-8. <https://doi.org/10.1111/psyp.13012>
- Campero Oliart, A., Lovelace, C. T., Levitan, L. C.* (2020). Contexts of communication and their relation to self-esteem. *Psi Chi Journal, 25*(1). <https://doi.org/10.24839/2325-7342.JN25.1.42>
- Duval, E. R., **Lovelace, C. T.**, Filion, D. L. (2020). Attention allocation to subliminally presented affective faces in high and low social anxiety. *International Journal of Psychophysiology, 153*, 159-165. <http://doi.org/10.1016/j.ijpsycho.2020.04.017>

## Published abstracts

*italic*=student author

- Lovelace, C. T.**, Duncan, C. C., & Kaye, W. H. (1996). Effects of clonidine on event-related potential indices of auditory and visual information processing. *Psychophysiology, 33*(Suppl 1), S56.
- Duncan, C. C., Mirsky, A. F., **Lovelace, C. T.**, & Theodore, W. H. (1997). ERP indices of attention in absence and complex partial seizure disorders. *Psychophysiology, 34*(Suppl 1), S32.
- Grossenbacher, P. G., & **Lovelace, C. T.** (1999). Synesthesia then and now: Contrasting scientific views from a century ago and today. *Society for Neuroscience Abstracts, 25*(Part 1), 258.
- Lovelace, C. T.** & Grossenbacher, P. G. (2000). Is binding required to conjoin visual and tactile features? *Society for Neuroscience Abstracts, 26*(Part 2), 1976.
- Lovelace, C. T.**, *Gresko, A. E.*, Stein, B. E. & Wallace, M. T. (2002) Now you hear it, now you don't: A light improves detection of a sound. Program No. 220.3. *2002 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience. Online.
- Lovelace, C. T.**, Maldjian, J. A., & Wittenberg, G. F. (2003). Neurobiological investigation of self-care behavior. *Psychophysiology, 40*(Suppl 1), S56.
- Wittenberg, G. F., **Lovelace, C. T.**, *Foster, D. J.*, & Maldjian, J. A. (2004). The physiology of self-care: Functional imaging of dressing tasks after recovery from stroke. *Stroke, 35*(1), 286.
- Elmore, W. R.*, **Lovelace, C. T.**, Filion, D. L. (2005). Infrared measurement of human prepulse startle modification. *Psychophysiology, 42*(Suppl 1), S54.

- Lovelace, C. T., Duval, E. R., & Filion, D. L.** (2007). Optical measurement of startle eyeblinks during functional neuroimaging. *Psychophysiology*, 44(Suppl 1), S100.
- Lovelace, C. T., Elmore, W. R., Duval, E. R., Derakhshani, R., & Filion, D. L.** (2008). Whence the eye blinketh? Correspondence between multiple measures of startle eyeblink. *Psychophysiology*, 45(Suppl 1), S95.
- Duval, E. R., Filion, D. L., Lovelace, C. T.** (2009). Flashing a smile: Is startle sensitive to unconscious face processing? *Psychophysiology*, 46(Suppl 1), S157.
- Lovelace, C. T., Derakhshani, R., Burgoon, J. K.** (2009). Neural network evaluation of multi-modal startle eyeblink measurements. *Psychophysiology*, 46(Suppl 1), S68.
- Duval, E. R., Lovelace, C. T., Aarant, J., Filion, D. L.** (2010). The effects of face gender and expression on attention and emotion. *Psychophysiology*, 47(Suppl 1), S69.
- Lovelace, C. T., Fox, B., Bruce, J., & Filion, D. L.** (2013). Startle eyeblink modulation as a novel measure of sensory processing in Multiple Sclerosis. *Psychophysiology*, 50(Suppl 1), S67.
- Fox, B., Lovelace, C. T., Bruce, J., Filion, D. L.** (2013). The relationship between startle eyeblink modulation and self-reported fatigue in multiple sclerosis. *Psychophysiology*, 50(Suppl 1), S67.
- Fox, B., Bruce, J., Lovelace, C. T., Filion, D. L.** (2014). The use of startle eyeblink reflex latency to examine the relationship between cognitive processing speed and fatigue. *Psychophysiology*, 51(Suppl 1), S47.

## Invited talks

- University of Missouri – Columbia, Department of Psychological Sciences. *Multisensory integration in object perception*. January 21, 2005. Cognition and Neuroscience Seminar Series.
- University of Missouri –Kansas City, Department of Art and Art History. *Synesthesia: Artistic Metaphor and Perceptual Experience*. February 28, 2006.
- University of Missouri – Kansas City, Department of Psychology. Bernard Lubin Lecture Series. *The Lucky Few With Mixed-up Senses: What to do When a Synesthete Comes Into Your Office*. Talk given with graduate student Katherine Gimmestad. November 3, 2006.
- University of Missouri – Kansas City, Conservatory of Music. *Hear the pretty colors: Synesthetic metaphor and perception*. February 12, 2007.
- Society for Neuroscience Members' Retreat. *The synesthete brain: Abnormal or supernormal?* March 5, 2009; University of Kansas Medical Center.
- University of Trier Psychoneuroendocrinology of Stress Research Group symposium. *High-speed video measurement of startle eyeblink*. October 26, 2009. University of Trier, Germany.
- Kansas City Community of Reason. *Synesthesia: The lucky few with mixed senses*. July 17, 2011.
- Shepherd University Faculty Research Forum. *The amazing perceptual trait synesthesia: What it is and what psychological science can tell us about it*. April 3, 2013.
- 7<sup>th</sup> Annual Shepherd University Aging Well Workshop. *The changing aging brain*. May 12, 2015.

## Presentations

- Lovelace, C. T., & Blumenthal, T. D.** *Hand dominance and the modification of the acoustically elicited startle response by a vibrotactile prepulse.* Poster presented at the 37<sup>th</sup> annual meeting of the Southeastern Psychological Association. New Orleans, LA. March, 1991.
- Lovelace, C. T., & Slotnick, B. M.** (1995). *Memory for brief, widely spaced odor presentations in the rat.* Slide presentation (by 2<sup>nd</sup> author) at the 15<sup>th</sup> annual meeting of the Association for Chemoreception Senses. Sarasota, FL. April 16, 1993.
- Lovelace, C. T., Duncan, C. C., & Kaye, W. H.** *Effects of clonidine on event-related potential indices of auditory and visual information processing.* Poster presented at the 36<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Vancouver, BC, Canada. October, 1996.
- Lovelace, C. T.** *What synesthetes say: Preliminary results of a survey on the experience of synesthesia.* Talk given at the first meeting of the American Synesthesia Association, held as a symposium at the 74<sup>th</sup> annual meeting of the Central States Anthropological Society. Milwaukee, WI. April, 1997.
- Duncan, C. C., Lovelace, C. T., Mirsky, A. F., & Theodore, W. H.** *ERP indices of attention in absence and complex partial seizure disorders.* Poster presented at the 37<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Falmouth, MA. October, 1997.
- Lovelace, C. T., Grossenbacher, P. G., & Crane, C. A.** *Functional connectivity underlying synesthetic perception: Theories and data.* Poster presented at the 6<sup>th</sup> annual meeting of the Cognitive Neuroscience Society. Washington, DC. April, 1999.
- Grossenbacher, P. G., & Lovelace, C. T.** *Synesthesia then and now: Contrasting scientific views from a century ago and today.* Poster presented at the 29<sup>th</sup> annual meeting of the Society for Neuroscience. Miami, FL. October, 1999.
- Lovelace, C. T. & Grossenbacher, P. G.** *Using VirSEn for visual, auditory, and vibrotactile stimulus control.* Talk given at the 29<sup>th</sup> annual meeting of the Society for Computers in Psychology, Los Angeles, CA. November, 1999.
- Lovelace, C. T.** *Crossmodal correspondence between vibrotactile frequency and visuospatial frequency: Perceptual chronometry and the role of attention.* Talk at the annual meeting of the North Carolina Cognition Group, Winston-Salem, NC. February, 2000.
- Lovelace, C. T. & Grossenbacher, P. G.** *Is binding required to conjoin visual and tactile features?* Poster presented at the Second Annual Multisensory Research Conference. Tarrytown, NY. October, 2000.
- Lovelace, C. T. & Grossenbacher, P. G.** *Is binding required to conjoin visual and tactile features?* Poster presented at the 30<sup>th</sup> annual meeting of the Society for Neuroscience. Miami, FL. November, 2000.
- Lovelace, C. T., Stein, B. E., & Wallace, M. T.** *Now you hear it, now you don't: A light improves detection of a sound.* Poster presented at the Multisensory Interactions Subserving Orienting Behavior meeting. Naples, FL, April, 2002.
- Lovelace, C. T., Gresko, A. E., Stein, B. E., & Wallace, M. T.** *Now you hear it, now you don't: A light improves detection of a sound.* Slide presentation at the 32<sup>nd</sup> annual meeting of the Society for Neuroscience. Orlando, FL. November, 2002.

- Lovelace, C. T., Maldjian, J. A. & Wittenberg, G. F.** *Neurobiological investigation of self-care behavior*. Poster presented at the 2003 meeting of the Organization for Human Brain Mapping. New York, NY. June, 2003.
- Lovelace, C. T., Maldjian, J. A. & Wittenberg, G. F.** *Neurobiological investigation of self-care behavior*. Poster presented at the 43<sup>rd</sup> annual meeting of the Society for Psychophysiological Research. Chicago, IL. October - November, 2003.
- Lovelace, C. T. & Gimmestad, K. D.** *The Lucky Few With Mixed-up Senses: What to do When a Synesthete Comes Into Your Office*. Talk given at the annual meeting of the Greater Kansas City Psychological Association. Kansas City, MO. November 4<sup>th</sup>, 2006.
- Lovelace, C. T. & Gimmestad, K. D.** *It's not a "symptom"! Why mental health professionals should know about synesthesia*. Talk given at the annual meeting of the American Synesthesia Association. St. Petersburg, FL. January 26-28, 2007.
- Lovelace, C. T., Duval, E. R., & Fillion, D. L.** *Optical measurement of startle eyeblinks during functional neuroimaging*. Poster presented at the 47<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Savannah, GA. October 16-21, 2007.
- Lovelace, C. T., Elmore, W. R., Duval, E. R., Derakhshani, R., & Fillion, D. L.** *Whence the eye blinketh? Correspondence between multiple measures of startle eyeblink*. Poster presented at the 48<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Austin, TX. October 1-5, 2008.
- Lovelace, C. T., Derakhshani, R., Tankasala, S. P., & Fillion, D.** *Classification of startle eyeblink metrics using neural networks*. Poster presented at the 2009 International Joint Conference on Neural Networks. June 15-16, 2009.
- Lovelace, C. T., Derakhshani, R., Burgoon, J. K.** *Neural network evaluation of multi-modal startle eyeblink measurements*. Poster presented at the 49<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Berlin, Germany. October 21-25, 2009.
- Lovelace, C. T., Derakhshani, R., King, G., Burgoon, J.** *Efficient, unobtrusive measurement of postural correlates of deception*. Talk given at the bi-annual meeting of the Center for Identification Technology Research. Skaneateles, NY. May 17-19, 2010.
- Lovelace, C. T., Fox, B., Bruce, J., & Fillion, D. L.** *Startle eyeblink modulation as a novel measure of sensory processing in Multiple Sclerosis*. Poster presented at the 53<sup>rd</sup> annual meeting of the Society for Psychophysiological Research. Florence, Italy. October 2-6, 2013.

## **Presentations by students**

*italic*=graduate, underline=undergraduate

- Elmore, W. R., Lovelace, C. T., Fillion, D. L.* *Infrared measurement of human prepulse startle modification*. Poster presented at the 45<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Lisbon, Portugal. September, 2005.
- Holdren, J. & Lovelace, C. T. *Does seeing a touch aid feeling a touch?* Poster presented at the Greater Kansas City Psychological Association annual meeting. Kansas City, MO. November 4<sup>th</sup>, 2006. **Student Poster Award**

- Gimmestad, K. D. & Lovelace, C. T. Does synesthesia affect non-synesthetic sensory experience?* Talk given at the annual meeting of the American Synesthesia Association. St. Petersburg, FL. January 26-28, 2007.
- Holdren, J. & Lovelace, C. T. The effects of an irrelevant sound on the detection of lights.* Poster presented at the 27<sup>th</sup> Annual Great Plains Students' Psychology Convention. Wichita, KS. March 16-17, 2007. **Divisional First Place Oral Presentation**
- Gimmestad, K. D. & Lovelace, C. T. Does synesthesia affect non-synesthetic sensory experience?* Talk given at the annual meeting of the UK Synesthesia Association. Oxford, UK. March 24-25, 2007. **KDG Travel funded by an award from the UMKC Women's Council**
- Holdren, J. & Lovelace, C. T. The effects of an irrelevant sound on visual detection.* Poster presented at the annual UMKC SEARCH symposium. April 13, 2007. **First Place in the Behavioral & Social Sciences Division**
- Greene, M. G. & Lovelace, C. T. Voluntary inhibition of the startle eyeblink reflex.* Poster presented at the annual UMKC SEARCH symposium. April 17, 2009.
- Henderson, A., Elmore, W., Duval, L., Lovelace, C., Filion, D. You can't hide your lyin' eyes: Deception detection via startle eyeblink.* Poster presented at the annual UMKC SEARCH symposium. April 17, 2009.
- Duval, E. R., Filion, D. L., Lovelace, C. T. Flashing a smile: Is startle sensitive to unconscious face processing?* Poster presented at the 49<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Berlin, Germany. October 21-25, 2009.
- Duval, E. R., Lovelace, C. T., Aarant, J., Filion, D. L. The effects of face gender and expression on attention and emotion.* Poster presented at the 50<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Portland, OR. September 29 – October 3, 2010.
- Mullin, D. S., King, G. W., Derakhshani, R. R., Lovelace, C. T. Effects of Deceptive Behavior on Biomechanical Measures of Standing Posture.* Poster presented at the 35<sup>th</sup> Annual Meeting of the American Society of Biomechanics, Long Beach, CA, August 2011.
- Duval, E. R., Lovelace, C. T., Hale, L. R., Schleicher, K., Filion, D. L. Was he mad at me? Masked emotional faces modulate attention.* Poster presented at the 51<sup>st</sup> annual meeting of the Society for Psychophysiological Research. Boston, MA. September 29 – October 3, 2011.
- Somogie, M., Bruce, J., Fox, B., Buscher, L., Tyrer, J., Stabler, A., Thelen, J., Lovelace, C. Semi-automated speech segmentation as an instrument to measure the effects of speech rate on neuropsychological test performance.* Presentation at the 31st Annual Meeting of the National Academy of Neuropsychology Marco Island, Florida, November 16-19, 2011
- Roberg, B., Bruce, J., Hancock, L., Somogie, M., Lovelace, C. Perceived Memory Difficulties are Associated with Performance on Tests of Executive Functioning in MS.* Poster presented at the 40th Annual Meeting of the International Neuropsychological Society, Montreal, Quebec, Canada, February 2012.
- Roberg, B., Somogie, M., Thelen, J., Lovelace, C., & Bruce, J. The role of processing speed in multiple sclerosis during the controlled oral word association test.* Presentation at the 32nd Annual Meeting of the National Academy of Neuropsychology, Nashville, Tennessee, November 7-10, 2012.
- Thelen, J., Roberg, B., Somogie, M., Lovelace, C., & Bruce, J. Recall speed on the auditory-verbal learning test in multiple sclerosis: Associations with fatigue, processing speed,*



- and working memory*. Presentation at the 32nd Annual Meeting of the National Academy of Neuropsychology, Nashville, Tennessee, November 7-10, 2012.
- Duval, E. R., Hale, L. R., Lovelace, C. T., Filion, D. L., & Savage, C. R. *In a Flash: Neural Responses to Subliminally Presented Affective Faces in Social Anxiety*. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA, November 2012.
- Fox, B., Lovelace, C. T., Bruce, J., Filion, D. L. *The relationship between startle eyeblink modulation and self-reported fatigue in multiple sclerosis*. Poster presented at the 53<sup>rd</sup> annual meeting of the Society for Psychophysiological Research. Florence, Italy. October 2-6, 2013.
- Fox, B., Bruce, J., Lovelace, C. T., Filion, D. L. *The use of startle eyeblink reflex latency to examine the relationship between cognitive processing speed and fatigue*. Poster presented at the 54<sup>th</sup> annual meeting of the Society for Psychophysiological Research. Atlanta, GA. September 10-14, 2014.

## Funding

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| University of Missouri Research Board<br><i>An fMRI-compatible assessment for sensorimotor gating</i><br><b>Co-P.I.</b><br>Diane Filion, PhD (UMKC, Psychology), P.I.<br>12 months, \$28,266 total budget                                                                                                                                                                                                                                                                                            | Winter 2004  |
| University of Missouri – Kansas City Faculty Research Grant<br><i>Presentation of low-contrast visual stimuli using a computer monitor</i><br><b>P.I.</b><br>2 months, \$6,981                                                                                                                                                                                                                                                                                                                       | Jun/Jul 2005 |
| University of Missouri Research Board<br><i>Psychophysiological assessment of sensory integration</i><br><b>P.I.</b><br>12 months, \$23,995                                                                                                                                                                                                                                                                                                                                                          | Jan. 2007    |
| National Science Foundation Center for Identification Technology Research (CITeR), Sponsored by the Department of Defense's Defense Academy for Credibility Assessment (DACA)<br><i>Economical, unobtrusive measurement of postural correlates of deception</i><br><b>P.I.</b><br>Collaborators:<br>Reza Derakhshani, PhD (UMKC, Sch. Computing & Engineering)<br>Gregory King, PhD (UMKC, Sch. Computing & Engineering)<br>Judee Burgoon, PhD (U. Arizona, CMI)<br>12 months, \$30,000 direct costs | Apr. 2009    |

Shepherd University Technology Oversight Committee Fall 2012  
*Integrating the “clicker” student response system into the Psychology curriculum at Shepherd*

Purchase student response system (“clicker”) for the Psychology Department;  
 assist in classroom implementation  
 Funded, \$1,914

Shepherd University Technology Oversight Committee Fall 2014  
*Integrating Psychophysiological Recording into Psychology Courses and Student Laboratory Research*

Purchase psychophysiological recording equipment for use in classroom  
 demonstrations and laboratory research  
 Funded, \$12,210

Shepherd University Professional Development Mini-Grant Fall 2015  
 Awarded \$500 for the purchase of an analog-to-digital interface to connect  
 laboratory psychophysiological recording equipment to a PC.

West Virginia Higher Education Policy Commission, Health Sciences Division Summer 2016  
*Wellness Across the Lifespan*

**Co-author and Co-P.I.**

Collaborators:

Larry Daily, Ph.D., Anne Murtagh, Ph.D., & Lindsey Levitan, Ph.D. (Shepherd  
 University Department of Psychology), Co-P.I.

Awarded \$30,000 in direct costs

Funding to construct laboratory facilities to support the Psychology  
 Department’s efforts to contribute to rural health care in the Eastern  
 Panhandle of West Virginia.

Additional \$25,000 awarded in Summer 2020 to complete additional  
 renovations.

## Patents

US Patent number US 10,599,934 B1 granted 3/24/2020

Jesse Lowe, Christopher Lovelace, Reza R. Derakhshani

*Spoof detection using optokinetic response*

## Professional affiliations and service

Association for Psychological Science

Society for the Teaching of Psychology

Association for Heads of Departments of Psychology

Psi Chi, the national honor society in psychology

**Society for Psychophysiological Research**

Program Committee (chair)	2014
Program Committee (member)	2001, 2013, 2015
Public Relations Committee (ex officio)	2013 – 2014
Nominating Committee	2004 – 2005
Student Poster Award Committee	2004
Web Site Committee (chair, co-chair)	1998 – 2006
Web Site Committee (member)	1997 – 1998
Committee on Student Enhancement and Retention	1997 – 1999

**Journal peer review***Attention, Perception, and Psychophysics**Biological Psychology**Brain and Cognition**Cognitive, Affective and Behavioral  
Neuroscience**Cognitive Brain Research**Cognitive Processing**Color Research and Application**Cortex**Developmental Psychology**International Journal of Psychophysiology**Journal of Consciousness Studies**Journal of Cognitive Neuroscience**Journal of Psychophysiology**Neuroscience and Biobehavioral Reviews**Perception**Perception and Psychophysics**Psyche**Psychological Bulletin**Psychological Science**Psychophysiology**Quarterly Journal of Experimental Psychology***Departmental service**

Department assessment coordinator	2018 – present
Department social media and website co-coordinator	2013 – present
Psychology Department representative to the Faculty Senate	2014 – 2020
Research Exposure Requirement (participant pool) coordinator	2013 – 2016
Psychology Department representative to the General Studies Committee	2013 – 2014
Faculty search committee, Co-chair	2012 – 2013

**University service**

Institutional Review Board member, Secretary	2020 – present
Institutional Animal Care & Use Committee member	2018 – present
Grade Appeal Pool	2017 – present
University Assembly Parliamentarian	2016 – present
Interim Moderator (Chair): Spring 2019, Fall 2021	
Campus Master Plan Update Committee	Spring 2020

University accreditation assurance argument writing team member	Spring 2021
Faculty Senate	2014 – 2020
President	2016 – 2020
Bylaws Committee, Member (ex officio)	2016 – 2020
Chair, Faculty Senate Subcommittee on Commencement Requirements	Spring/Fall 2017
Chair, Ad hoc Senate Commencement Speaker Nomination Committee	Fall 2016
Parliamentarian & Chair of Bylaws Committee	Spring 2016
Buildings and Grounds Safety Committee (ex officio)	2016 – 2020
Core Curriculum Committee, Chair	2014 – 2016, 2018 – 2019
Professional Development Committee	2015 – 2019
Provost's Faculty Workload and Qualifications Taskforce (Senate rep.)	Spring 2018
Provost Search Committee (Faculty Senate representative)	2017 – 2018
University Strategic Planning Committee	2016 – 2018
VPAA's Task Force on School Organization	2014 – 2016
Department of Biology Cell Biology Faculty Search, external member	2014 – 2015
Department of Biology Plant Biology Faculty Search, external member	2014 – 2015
VPAA's Committee on Salary Compression	2013 – 2016
General Studies Committee, Secretary	2013-2014
Curriculum & Instruction Committee	2012 – 2014
Library Committee	2012 – 2014
Faculty Awards Committee	Spring 2012

## Student service

Psi Chi psychology honor society faculty advisor	2012 – present
Shepherd University Secular Student Alliance faculty advisor	2011 – present
Psychology Club faculty advisor	2012 – 2014

## Community service

Relay for Life, Shepherd University	March 2012
<i>Founded Psychology Department team: PSYCH'ed 4 a Cure!</i>	April 2013
Light the Night, Frederick MD	October 2012, 2013
<i>Fundraiser for the Leukemia &amp; Lymphoma Society</i>	
Mountain State Freethinkers	2012 - Present
<i>Took over as primary organizer, January 2015</i>	
Percussionist, Shepherd University Community Orchestra	Fall 2018