

CURRICULUM VITAE

Terry D. Blumenthal

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Education

B.Sc. (Specialization in Psychology), 1979; University of Alberta, Edmonton, Canada
M.S. (Psychology), 1982; University of Florida, Gainesville, Florida
Ph.D. (Psychology), 1985; University of Florida, Gainesville, Florida

Employment

Professor of Psychology, Wake Forest University, Winston-Salem, NC: July 2002 to present. Teaching undergraduate and graduate courses; conducting research; supervising student research (psychology Honors, undergraduate, and graduate students, and neuroscience masters and doctoral students); Departmental and University service.

Associate Professor of Psychology, Wake Forest University, Winston-Salem, NC: 1992 - 2002.

Assistant Professor of Psychology, Wake Forest University, Winston-Salem, NC: 1987 - 1992.

Adjunct Assistant Professor, Neuroscience Program, Wake Forest University School of Medicine, Winston-Salem, NC; 1990-present.

Visiting Assistant Professor of Psychology, Hamilton College, Clinton, NY; 1984 - 1987.

Awards and Honors

Z. Smith Reynolds Research Leave, Wake Forest University; 1992

Award for Excellence in Research, Wake Forest University; 1996

R. J. Reynolds Research Leave, Wake Forest University; 1998, 2004, 2010, 2016

Sara Jo Brownlow Shearer Fund recipient, Wake Forest University; 2006-2009

Neuroscience Faculty Mentor Award; 2012

President, Society for Psychophysiological Research; 2014

Fellow, Association for Psychological Science; 2017

Research and Professional Experience

Member of Society for Psychophysiological Research, Association for Psychological Science, Psychonomic Society, Western North Carolina Society for Neuroscience, Psi Chi, Golden Key.

Member of the Center for Translational Studies in Functional Health (WFU); Center for Investigative Neuroscience, WFU School of Medicine; 1994-2004; NIH Neuroscience Training Grant (2006-2012)

Certified Government Contractor (CCR – DUNS), with Information Security for R&D Personnel training, VA Privacy Policy Training.

Publications

115. Peterson, H.A., & Blumenthal, T. D. (in press). Efficacy of stimulus intensity increases and decreases as inhibitors of the acoustic startle response. *Psychophysiology*, *xx*, xx-xx.
114. Melkonian, D., Blumenthal, T. D., & Barin, E. (in press). Quantum theory of mass potentials. *PLOS One*, *xx*, xx-xx.
113. Peterson, H. A., & Blumenthal, T. D. (2017). Inhibition of startle responding by white and pink noise, and by gaps in noise. *Wake Forest Journal of Science and Medicine*, *3*, 58-66.
112. Hengesch, X., Larra, M. F., Finke, J. B., Blumenthal, T. D., & Schächinger, H. (2017). Enhanced startle reflexivity during presentation of visual nurture cues in young adults who experienced parental divorce in early childhood. *International Journal of Psychophysiology*, *120*, 78-85.
111. Larra, M. F., Behrje, A., Finke, J. B., Blumenthal, T. D., & Schächinger, H. (2017). Filling the gap: Evidence for a spatial differentiation in trace eyeblink conditioning. *Neuroscience Letters*, *654*, 33-37.
110. Pineles, S. L., Blumenthal, T. D., Curreri, A. J., Nillini, Y. I., Putnam, K. M., Resick, P. A., Rasmusson, A. M., & Orr, S. P. (2016). Prepulse inhibition deficits in women with PTSD. *Psychophysiology*, *53*, 1377-1385.
109. Swerdlow, C. D., Blumenthal, T. D., & Swerdlow, N. R. (2016). Reawakening research on reducing shock pain. *Heart Rhythm*, *13*, 1149-1150.
108. Flaten, M. A., Firan, A., & Blumenthal, T. D. (2016). Somatosensory pain is not reliably modulated by weak acoustic stimuli. *International Journal of Psychophysiology*, *99*, 114-120.
107. Blumenthal, T. D. (2015). Presidential Address 2014: The more-or-less interrupting effects of the startle response. *Psychophysiology*, *52*, 1417-1431.
106. Benke, C., Blumenthal, T. D., Modeß, C., & Hamm, A. O., & Pané-Farré, C. A. (2015). Effects of anxiety sensitivity and expectations on the modulation of the startle eyeblink response during a caffeine challenge. *Psychopharmacology*, *232*, 3403-3416.
105. Finke, J. B., Larra, M. F., Schilling, T. M., Lass-Hennemann, J., Blumenthal, T. D., & Schächinger, H. (2015). Startle eye-blink modulation by facial self-resemblance and current mood. *International Journal of Psychophysiology*, *96*, 162-168.
104. Washington, J. R., & Blumenthal, T. D. (2015). Effects of a startle stimulus on response speed and inhibition in a Go/NoGo task. *Psychophysiology*, *52*, 745-753.
103. Pané-Farré, C. A., Alius, M. G., Modeß, C., Methling, K., Blumenthal, T. D., & Hamm, A. O. (2015). Anxiety sensitivity and expectation of arousal differentially affect the respiratory response to caffeine. *Psychopharmacology*, *232*, 1931-1939.
102. Blumenthal, T. D. (2015). Startle reflex and health. In J. D. Wright (Ed.), *International Encyclopedia of the Social and Behavioral Sciences*, 2nd Edition. Oxford, England: Elsevier. (pp. 331-337).
101. Blumenthal, T. D., Reynolds, J. Z., & Spence, T. E. (2015). Support for the interruption and protection hypotheses of prepulse inhibition of startle: Evidence from a modified Attention Network Test. *Psychophysiology*, *52*, 397-406.
100. Ferreira de Sa, D. S., Schulz, A., Streit, F., Oitzl, M. Blumenthal, T. D., & Schächinger, H. (2014). Cortisol, but not intranasal insulin, affects the central processing of visual food cues. *Psychoneuroimmunology*, *50*, 311-320.
99. Schilling, T.M., Larra, M. F., Deuter, C. E., Blumenthal, T. D., & Schächinger, H. (2014). Rapid cortisol enhancement of psychomotor and startle reactions to side-congruent stimuli in a focused cross-modal choice reaction time paradigm. *European Neuropsychopharmacology*, *24*, 1828-1835.
98. Herbert, C., Platte, P., Wiemer, J., Macht, M., & Blumenthal, T. D. (2014). Supertaster, super reactive: Oral sensitivity for bitter taste modulates emotional approach and avoidance behavior in the affective startle paradigm. *Physiology & Behavior*, *135*, 198-207.
97. Ferreira de Sa, D. S., Plein, D. E., Schulz, A., Oitzl, M. S., Blumenthal, T. D., & Schächinger, H. (2014). Acoustic startle reflex in the processing of reward related food

- cues during food deprivation: Evidence from women in different menstrual cycle phases and men. Psychophysiology, 51, 159-167.
96. Deuter, C. E., Schilling, T., Kuehl, L. K., Blumenthal, T. D., Schächinger, H. (2013). Startle effects on saccadic responses to emotional target stimuli. Psychophysiology, 50, 1056-1063.
95. Schilling, T., Kolsch, M., Larra, M. F., Zech, C. M., Blumenthal, T. D., & Schächinger, H. (2013). For whom the bell (curve) tolls: Cortisol rapidly affects memory retrieval by an inverted U-shaped does-response relationship. Psychoneuroendocrinology, 38, 1565-1572.
94. Deuter, C. E., Kuehl, L. K., Blumenthal, T. D., Schulz, A., Oitzl, M. S., & Schächinger, H. (2013). Effects of cold pressor stress on the human startle response. PLOS One, 7(11), e49866.
93. Herbert, C., Sfarlea, A., & Blumenthal, T. D. (2013). Your emotion or mine: Labeling feelings alters emotional face perception. An ERP study on automatic and intentional affect labeling. Frontiers in Human Neuroscience, 7, Article 378.
92. Melkonian, D., & Blumenthal, T. D. (2013). Dynamics of the eyeblink EMG at global and microscopic scales. The Open Cybernetics and Systemics Journal, 7, 11-22.
91. Huggenberger, H. J., Suter, S. E., Blumenthal, T. D., & Schächinger, H. (2013). Maternal social stress modulates the development of prepulse inhibition of startle in infants. Developmental Cognitive Neuroscience, 3, 84-90.
90. Gajewska, A., Blumenthal, T. D., Winter, B., Herrmann, M. J., Conzelmann, A., et al. (2013). Effects of ADORA2A gene variation and caffeine on prepulse inhibition: A multi-level risk model of anxiety. Progress in Neuro-Psychopharmacology & Biological Psychiatry, 40, 115-121.
89. Spence, T. E., Blumenthal, T. D., & Brenes, G. A. (2012). Where have all the worriers gone? Temporal instability of the abbreviated Penn State Worry Questionnaire limits reliable screening for high trait worriers. Psychology, 3, 940-946.
88. Suter, S. E., Huggenberger, H. J., Blumenthal, T. D., & Schächinger, H. (2011). Differential effect of ill-being and chronic stress on cradling behavior of first and multi-time parents. Infant Behavior and Development, 34, 170-178.
87. Neumann, D., Hammond, F. M., Norton, J., & Blumenthal, T. D. (2011). Using startle to objectively measure anger and other emotional responses after traumatic brain injury: A pilot study. The Journal of Head Trauma Rehabilitation, 26, 375-383.
86. Schulz, A., Plein, D. E., Richter, S., Blumenthal, T. D., & Schächinger, H. (2011). Cold pressor stress affects cardiac attenuation of startle. International Journal of Psychophysiology, 79, 385-391.
85. Richter, S., Schulz, A., Zech, C. M., Oitzl, M. S., Daskalakis, N. P., Blumenthal, T. D., & Schächinger, H. (2011). Cortisol rapidly disrupts prepulse inhibition in healthy men. Psychoneuroendocrinology, 36, 109-114.
84. Glenn, C. R., Blumenthal, T. D., Klonsky, E. D., & Hajcak, G. (2011). Emotional reactivity in nonsuicidal self-injury: Divergence between self-report and startle measures. International Journal of Psychophysiology, 80, 166-170.
83. Mathias, C. W., Blumenthal, T. D., Dawes, M. A., Liguori, A., Richard, D. M., Bray, B., Tong, W., and Dougherty, D. M. (2011). Failure to sustain prepulse inhibition in adolescent marijuana users. Drug and Alcohol Dependence, 116, 110-116.
82. Huggenberger, H. J., Suter, S. E., Blumenthal, T. D., & Schächinger, H. (2011). Pre- and perinatal predictors of startle eyeblink reaction and prepulse inhibition in healthy neonates. Psychophysiology, 48, 1004-1010.
81. Lass-Hennemann, J., Deuter, C. E., Kuehl, L. K., Schulz, A., Blumenthal, T. D., & Schächinger, H. (2011). Effects of facial self-resemblance on the startle response and subjective ratings of erotic stimuli in heterosexual men. Archives of Sexual Behavior, 40, 1007-1014.
80. Kuehl, L. K., Lass-Hennemann, J., Richter, S., Blumenthal, T. D., Oitzl, M., & Schächinger, H. (2010). Accelerated trace eyeblink conditioning after cortisol IV infusion. Neurobiology of Learning and Memory, 94, 547-533.
79. Lass-Hennemann, J., Deuter, C. E., Kuehl, L. K., Schulz, A., Blumenthal, T. D., & Schächinger, H. (2010). Effects of stress on human mating preferences: Stressed individuals prefer dissimilar mates. Proceedings of the Royal Society B: Biological Sciences, 277, 2175-2183.

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77. Schulz, A., Reichter, C. F., Richter, K. S., Lass-Hennemann, J., Blumenthal, T. D., & Schächinger, H. (2009). Cardiac modulation of startle: Effects on eyeblink and higher cognitive processing. Brain and Cognition, *71*, 265-271.
76. Suter, S., Huggenberger, H. J., Richter, S., Blumenthal, T. D., & Schächinger, H. (2009). Left side cradling of an appetitive doll is associated with higher heart rate variability and attenuated startle in nulliparous females. International Journal of Psychophysiology, *74*, 53-57.
75. Lyall, A., Swanson, J., Liu, C., Blumenthal, T. D., & Turner, C. P. (2009). Neonatal exposure to MK801 promotes prepulse-induced delay in startle response time in adult rats. Experimental Brain Research, *197*, 215-222.
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73. Richter, S., Schulz, A., Port, J., Blumenthal, T. D., & Schächinger, H. (2009). Cardiopulmonary baroreceptors affect reflexive startle eye blink. Physiology & Behavior, *98*, 587-593.
72. Lass-Hennemann, J., Schultz, A., Nees, F., Blumenthal, T. D., & Schächinger, H. (2009). Direct gaze of photographs of female nudes influences startle in men. International Journal of Psychophysiology, *72*, 111-114.
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70. Roemer, S., Nees, F., Richter, S., Blumenthal, T. D., & Schächinger, H. (2009). Endogenous cortisol suppression with metyrapone enhances acoustic startle in healthy subjects. Hormones and Behavior, *55*, 314-318.
69. Schulz, A., Lass-Hennemann, J., Richter, S., Roemer, S., Blumenthal, T. D., & Schächinger, H. (2009). Lateralization effects on the cardiac modulation of the acoustic startle eyeblink. Biological Psychology, *80*, 287-291.
68. Schultz, A., Lass-Hennemann, J., Nees, F., Blumenthal, T. D., Berger, W., & Schächinger, H. (2009). Cardiac modulation of startle eyeblink. Psychophysiology, *46*, 234-240.
67. Franklin, J. C., Bowker, K. B., & Blumenthal, T. D. (2009). Anxiety and prepulse inhibition of acoustic startle in a normative sample: The importance of signal-to-noise ratio. Personality and Individual Differences, *46*, 369-373.
66. Kiang, L., Blumenthal, T. D., Carlson, E. N., Lawson, Y., & Shell, J. C. (2009). Physiological responses to racial rejection images among African American youth. Journal of Youth and Adolescence, *38*, 164-174.
65. Blumenthal, T. D., & Franklin, J. C. (2009). The Startle Eyeblink Response. In E. Harmon-Jones and J. Beer (Eds.), Methods in social neuroscience. Guilford Press; pp. 92-117.
64. Nees, F., Richter, S., Lass-Hennemann, J., Blumenthal, T. D., & Schächinger, H. (2008). Inhibition of cortisol production by Metyrapone enhances trace, but not delay, eyeblink conditioning. Psychopharmacology, *199*, 183-190.
63. Schächinger, H., Blumenthal, T. D., Richter, S., Savaskan, E., Wirz-Justice, A., & Kräuchi, K. (2008). Melatonin reduces arousal and startle responsiveness without influencing startle habituation or affective startle modulation in young women. Hormones and Behavior, *54*, 258-262.
62. Franklin, J. C., Moretti, N. A., & Blumenthal, T. D. (2007). Impact of stimulus signal-to-noise ratio on prepulse inhibition of acoustic startle. Psychophysiology, *44*, 339-342.
61. Swerdlow, N. R., Blumenthal, T. D., Sutherland, A. N., Weber, E., & Talledo, J. A. (2007). Effects of prepulse intensity, duration, and bandwidth on perceived intensity of startling acoustic stimuli. Biological Psychology, *74*, 389-395.

60. Blumenthal, T. D., Noto, J. V., Fox, M. A., & Franklin, J. C. (2006). Background noise decreases both prepulse elicitation and inhibition of acoustic startle blink responding. Biological Psychology, *72*, 173-179.
59. Blumenthal, T. D., Cuthbert, B. N., Filion, D. L., Hackley, S. A., Lipp, O. V., & van Boxtel, A. (2005). Committee report: Guidelines for human startle eyeblink electromyographic studies. Psychophysiology, *42*, 1-15.
58. Hill, B. D., & Blumenthal, T. D. (2005). Inhibition of acoustic startle using different mechanoreceptive channels. Perception & Psychophysics, *67*, 741-747.
57. Blumenthal, T. D., Elden, A., & Flaten, M. A. (2004). A comparison of several methods used to quantify prepulse inhibition of eyeblink responding. Psychophysiology, *41*, 326-332.
56. Melkonian, D., Blumenthal, T. D., & Meares, R. (2003). High resolution fragmentary decomposition - a model based method of non-stationary electrophysiological signal analysis. Journal of Neuroscience Methods, *131*, 149-159.
55. Luthy, M., Blumenthal, T. D., Langewitz, W., Kiss, A., Keller, U., & Schächinger, H. (2003). Prepulse inhibition of the human startle eye blink response by visual food cues. Appetite, *41*, 191-195.
54. Flaten, M. A., Asli, O., & Blumenthal, T. D. (2003). Expectancies and placebo responses to caffeine-associated stimuli. Psychopharmacology, *169*, 198-204.
53. Blumenthal, T. D., & Melkonian, D. (2003). A model based approach to quantitative analysis of eyeblink EMG response components. Journal of Psychophysiology, *17*, 1-13.
52. Blumenthal, T. D., & Duncan, S. M. (2003). Attenuation of shock-elicited pain by electrical prepulses. In S. P. Shohov (Ed.), Advances in Psychology Research, Vol. *22*. Hauppauge, NY: Nova Science Publishers, Inc. pp. 97-106.
51. Hutchison, K. E., McGeary, J., Wooden, A., Blumenthal, T. D., & Ito, T. (2003). Startle magnitude and prepulse inhibition: Effects of alcohol and attention. Psychopharmacology, *167*, 235-241.
50. Ergenzinger, Jr., E. R., & Blumenthal, T.D. (2002). Brain, body, and alternative dispute resolution: Negotiating with a mind toward emotion. Practical Dispute Resolution, *3*, 28-43.
49. Blumenthal, T. D., & Swerdlow, C. D. (2002). Electrical shocks to the arm elicit and inhibit startle eyeblink. Psychophysiology, *39*, 218-221.
48. Blumenthal, T. D. (2001). Review of Biological Psychology: An Integrative Approach, by Frederick Toates. Biological Psychology, *58*, 177-180.
47. Lipp, O. V., Blumenthal, T. D., & Adam, A. (2001). Attentional modulation of blink startle at long, short and very short lead intervals. Biological Psychology, *58*, 89-103.
46. Blumenthal, T. D., Burnett, T. T., & Swerdlow, C. (2001). Prepulses reduce the pain of cutaneous electrical shocks. Psychosomatic Medicine, *63*, 275-281.
45. Blumenthal, T. D. (2001). Extraversion, attention, and startle response reactivity. Personality and Individual Differences, *30*, 495-503.
44. Melkonian, D., Blumenthal, T. D., & Gordon, E. (1999). Numerical Fourier transform spectroscopy of EMG half-waves: Fragmentary-decomposition-based approach to nonstationary signal analysis. Biological Cybernetics, *81*, 457-467.
43. Blumenthal, T. D., & Schirillo, J. (1999). Biological neuroscience is only as radical as the evolution of mind. Behavioral and Brain Sciences, *22*, 831.
42. Swerdlow N. R., Geyer M. A., Blumenthal T. D., Hartman P. L. (1999). Effects of discrete acoustic prestimuli on perceived intensity and behavioral responses to startling acoustic and tactile stimuli. Psychobiology *27*, 547-556.
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39. Blumenthal, T. D. (1998). Quantifying human startle response magnitude: Effects of filter passband and integrator time constant on eyeblink EMG response peak and area.

- Journal of Psychophysiology, 12, 159-171.
38. Flaten, M. A., & Blumenthal, T. D. (1998). A parametric study of the separate contributions of the tactile and acoustic components of airpuffs to the blink reflex. Biological Psychology, 48, 227-234.
 37. Schicatano, E. J., & Blumenthal, T. D. (1998). The effects of caffeine and directed attention on acoustic startle habituation. Pharmacology, Biochemistry, and Behavior, 59, 145-150.
 36. Andrews, S. E., Blumenthal, T. D., & Flaten, M. A. (1998). Effects of caffeine and caffeine-associated stimuli on the human startle eyeblink reflex. Pharmacology, Biochemistry, and Behavior, 59, 39-44.
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 34. Blumenthal, T. D. (1997). Prepulse inhibition decreases as startle reactivity habituates. Psychophysiology, 34, 446-450.
 33. Blumenthal, T. D. (1996). Inhibition of the human startle response is affected by both prepulse intensity and eliciting stimulus intensity. Biological Psychology, 44, 85-104.
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 31. Flaten, M. A., & Blumenthal, T. D. (1996). Effects of positive and negative stimulus onset asynchronies between weak stimuli and startle eliciting stimuli. Journal of Psychophysiology, 10, 189-197.
 30. Norris, C. M., & Blumenthal, T. D. (1996). A relationship between inhibition of the acoustic startle response and the protection of prepulse processing. Psychobiology, 24, 160-168.
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 27. Blumenthal, T. D., Chapman, J. G., & Muse, K. B. (1995). Effects of social anxiety, attention, and extraversion on the acoustic startle eyeblink response. Personality and Individual Differences, 19, 797-807.
 26. Schicatano, E. J., & Blumenthal, T. D. (1995). The effects of different doses of caffeine on habituation of the human acoustic startle reflex. Pharmacology, Biochemistry, and Behavior, 52, 231-236.
 25. Blumenthal, T. D., Buggie, S., Cicala, G., Davis, S., Korshavn, S., Lima, S., Mangelsdorf, C., Spencer, F., Wellma, P., & Wilson, J. (1995). Testbank to accompany In Search of the Human Mind, by R. J. Sternberg. Harcourt Brace: Fort Worth, TX.
 24. Dorthe, N. J., Blumenthal, T. D., Jason, D. R., & Lantz, P. E. (1995). The use of next-of-kin in assessing handedness. Perceptual and Motor Skills, 81, 203-208.
 23. Blumenthal, T. D. (1995). Prepulse inhibition of the startle eyeblink as an indicator of temporal summation. Perception and Psychophysics, 57, 487-494.
 22. Schicatano, E. J., & Blumenthal, T. D. (1995). Habituation or sensitization? Response to Leaton. Psychobiology, 23, 87-88.
 21. Goldstein, D. J., & Blumenthal, T. D. (1995). Startle eyeblink elicitation in attention deficit disordered children using low-intensity acoustic stimuli. Perceptual and Motor Skills, 80, 227-231.
 20. Blumenthal, T. D., & Flaten, M. A. (1994). Selective effects of attentional direction on the startle reflex at different stages of processing. Psychobiology, 22, 338-346.
 19. Blumenthal, T. D., & Creps, C. L. (1994). Normal startle responding in psychosis-prone college students. Personality and Individual Differences, 17, 345-355.
 18. Schicatano, E. J., & Blumenthal, T. D. (1994). Caffeine delays habituation of the human acoustic startle response. Psychobiology, 22, 117-122.

17. Blumenthal, T. D. (1994). Signal attenuation as a function of integrator time constant and signal duration. Psychophysiology, 31, 201-203.
16. Britt, T. W., & Blumenthal, T. D. (1993). Social anxiety and latency of response to startle stimuli. Journal of Research in Personality, 27, 1-14.
15. Britt, T. W., & Blumenthal, T. D. (1992). The effects of anxiety on motoric expression of the startle response. Personality and Individual Differences, 13, 91-97.
14. Lovelace, C. T., & Blumenthal, T. D. (1991). Hand dominance and the modification of the acoustically elicited startle response by a vibrotactile prepulse. Psychobiology, 19, 265-273.
13. Britt, T. W., & Blumenthal, T. D. (1991). On threat of shock as an elicitor of anxiety: A methodological note. Psychological Reports, 69, 1-2.
12. Blumenthal, T. D., & Goode, C. T. (1991). The startle eyeblink response to low-intensity acoustic stimuli. Psychophysiology, 28, 296-306.
11. Britt, T. W., & Blumenthal, T. D. (1991). Motoneuronal insensitivity in extraverts as revealed by the startle response paradigm. Personality and Individual Differences, 12, 387-393.
10. Blumenthal, T.D., & Cooper, J.A. (1990). Stimulus control and response measurement in human psychophysiological research using the Macintosh computer. Psychophysiology, 27, 479-480.
9. Blumenthal, T.D., & Cooper, J.A. (1990). Using the Macintosh microcomputer in psychophysiological research: Programs for stimulus presentation, data collection, and response quantification. Behavior Research Methods, Instruments, and Computers, 22, 99-104.
8. Acocella, C.M., & Blumenthal, T.D. (1990). Directed attention influences the modification of startle reflex probability. Psychological Reports, 66, 275-285.
7. Blumenthal, T. D., & Tolomeo, E. A. (1989). Bidirectional influences of vibrotactile prepulses on modification of the human acoustic startle reflex. Psychobiology, 17, 315-322.
6. Blumenthal, T. D., & Levey, B. J. (1989). Prepulse rise time and startle reflex modification: Different effects for discrete and continuous prepulses. Psychophysiology, 26, 158-165.
5. Blumenthal, T. D. (1988). The startle response to acoustic stimuli near startle threshold: Effects of stimulus rise and fall time, duration, and intensity. Psychophysiology, 25, 607-611.
4. Blumenthal, T. D., Avendano, A., & Berg, W. K. (1987). The startle response and auditory temporal summation in neonates. Journal of Experimental Child Psychology, 44, 64-79.
3. Blumenthal, T. D., & Gescheider, G. A. (1987). Modification of the acoustic startle response by a tactile prepulse: Effects of stimulus onset asynchrony and prepulse intensity. Psychophysiology, 24, 320-327.
2. Blumenthal, T. D., & Berg, W. K. (1986). Stimulus rise time, intensity, and bandwidth effects on acoustic startle amplitude and probability. Psychophysiology, 23, 635-641.
1. Blumenthal, T. D., & Berg, W. K. (1986). The startle response as an indicator of temporal summation. Perception and Psychophysics, 40, 62-68.

115 published manuscripts from 1986 – 2018, in the following journals:

<p>Appetite (2) Archives of Sexual Behavior Behavioral and Brain Sciences; Behavioral Research Methods Instruments and Computers; Biological Psychology (9); Biological Cybernetics; Brain and Cognition; Developmental Cognitive Neuroscience; Drug and Alcohol Dependence; European Neuropsychopharmacology; Experimental Brain Research; Frontiers in Human Neuroscience; Heart Rhythm Hormones and Behavior (2); International Journal of Psychophysiology (10); Journal of Experimental Child Psychology; Journal of Head Trauma Rehabilitation; Journal of Neuroscience Methods (2); Journal of Psychophysiology (4); Journal of Research in Personality; Journal of Youth and Adolescence;</p>	<p>Neurobiology of Learning and Memory; Neuroscience Letters; Open Cybernetics and Systemics Journal; Perception & Psychophysics (4); Perceptual and Motor Skills; Personality and Individual Differences (7); Pharmacology Biochemistry and Behavior (3); Physiology & Behavior (2); PLoS-One (2); Practical Dispute Resolution; Proceedings of the Royal Society: B; Progress in Neuro-Psychopharmacology & Biological Psychiatry Psychobiology (8); Psychological Reports (2); Psychology; Psychoneuroendocrinology (3); Psychopharmacology (6); Psychophysiology (23); Psychosomatic Medicine (2); Wake Forest Journal of Science and Medicine; 4 book chapters.</p>
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Paper Presentations: 204 conference presentations from 1982 – 2018 at the following conferences, with the number of presentations in parentheses, if more than one:

<p>American Academy of Forensic Sciences; American Heart Association; American Psychosomatic Society; Anxiety Disorders Association of America; Association for Behavioral and Cognitive Therapies (2); Association for Chemoreception Sciences; Association for Psychological Science (5); Australasian Society for Psychophysiology; Canadian Psychological Association (2); Eastern Psychological Association; European Brain and Behavior Society (3); European Congress of Psychophysiology; European Conference of the Federation of Psychophysiology Societies (2); European Society for Cognitive and Affective Neuroscience; European Winter Conference on Brain Research; DGPA: German Society for Psychology and Brain (14); Human Development Conference (3); International Brain Injury Association World</p>	<p>Congress; International Congress of Psychology; International Congress of Psychophysiology; International Congress of Psychosomatic Medicine (2); International Society for Traumatic Stress Studies; North Carolina Augmentative Communication Association; North Carolina Cognition Conference (5); Psychonomic Society (6); Society of Biological Psychiatry (2); Society for Computers in Psychology; Society for Neuroscience (5); Society for Psychophysiological Research (99); Society for Research in Adolescence; Society for Research in Child Development (3); Society of Southeastern Social Psychologists; Southeastern Psychological Association (26); Symposium for Young Neuroscientists and Professors of the Southeast (SYNAPSE) (4); Tactile Sensitivity Meeting.</p>
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Colloquia and Invited Talks presented at Colleges and Universities in Australia, Canada, Cyprus, Germany, Japan, Luxembourg, The Netherlands, Norway, Sweden, Switzerland, and the United States.

Ad-Hoc Reviewer of manuscripts for:

Addiction Biology;
 American Journal of Audiology;
 American Journal of Psychiatry;
 Appetite;
 Archives of General Neuropsychology;
 Australian Journal of Psychology;
 Behavioural Brain Research;
 Behavioural Processes;
 Behavioral Neuroscience;
 Behavioral Research Methods,
 Instrumentation, and Computers;
 Biofeedback and Self Regulation;
 Biological Psychiatry;
 Biological Psychology;
 BMC Neuroscience;
 Brain Research;
 Clinical Neurophysiology;
 Cogent Engineering;
 Cognitive, Affective, and Behavioral
 Neuroscience;
 Cognition and Emotion;
 Cognitive Brain Research;
 Developmental Psychobiology;
 Depression and Anxiety;
 Emotion;
 Experimental Brain Research;
 Experimental and Clinical
 Psychopharmacology;
 Infancy;
 Infant Behavior and Development;
 International Journal of Behavioral Medicine;
 International Journal of Psychophysiology;
 Investigative Ophthalmology & Visual
 Science;
 Journal of Abnormal Psychology;
 Journal of Endocrinological Investigation
 Journal of Neurophysiology;
 Journal of Neuroscience Methods
 Journal of Pediatrics;
 Journal of Personality;
 Journal of Psychophysiology;
 Journal of Social and Clinical Psychology;
 Journal of Sport and Exercise Psychology;
 Journal of Traumatic Stress;
 Medicine and Science in Sports and
 Exercise;
 Neuropsychopharmacology;
 Neuroscience and Biobehavioral Reviews;
 Neuroscience Letters;
 Neuroscience Research;
 The Open Cybernetics & Systemics Journal;
 Pediatrics;
 Personality and Individual Differences;
 Physiology and Behavior;
 PLoS One;
 Psychiatry Research;
 Psychobiology;
 Psychology of Men and Masculinity;
 Psychological Bulletin;
 Psychological Medicine;
 Psychological Science;
 Psychoneuroendocrinology;
 Psychopharmacology;
 Psychophysiology;
 Psychosomatic Medicine;
 Schizophrenia Research;
 Translational Psychiatry

Internal Grants Received:

William C. Archie Fund for Faculty Excellence
 (1988-2005);
 Research and Creative Activities Council Fund
 (1989-94);
 Research and Publication Fund (1987-96);
 Science Research Fund (1998);
 Computer Enhanced Learning Initiative Grant
 (1999);
 Culpeper Technology Grant (2001-02);
 Lilly Pro Humanitatae Fund (2003);
 Academic Community Engagement Fellowship
 (2003);
 Social Science Research Fund (2005-07);
 Sarah Jo Brownlow Shearer Award (2006-2009);
 Cross-Campus Collaboration Fund (2006; 2009);
 Upton Foundation Grant (2009);
 Provost Travel Fund (2009-2016);
 Dingledine Fund for International Activities (2012,
 2014)

External Grants Received:

Forensic Sciences Foundation (1993-95);
 Norwegian Marshall Fund (1993);
 Work and Organization Research Centre, Tilburg
 University, The Netherlands (1996);
 National Institute of Neurological Disorders and
 Stroke Training Grant (1997);
 Imperception, Inc. (1999-2000);
 National Institutes of Health R01 (2004-2007;
 2013-2017);
 Swiss National Research Foundation (2006-
 2008);
 American Psychological Foundation (2011)
 Department of Defense (2014-2017)

Research Consulting at the following:

The Brain Resource Company, Sydney, Australia
 Davidson University, NC;
 Department of Defense Polygraph Institute, Ft. Jackson, SC;
 Duke University;
 Hamilton College, Clinton, NY;
 MD Anderson Cancer Center, Division of Cancer Prevention, Houston, TX;
 National Center for Post-Traumatic Stress Disorder, Boston, MA;
 SUNY – Stony Brook, NY;
 Swiss Federal Institute of Technology, Zurich;
 Temple University, Philadelphia, PA;
 Tinnitus Research Consortium;
 Tilburg University, The Netherlands;
 University of Colorado – Boulder, CO;
 University of Cyprus, Nicosia, Cyprus;
 University of Illinois – Chicago, IL;
 University of North Carolina – Chapel Hill, NC;
 University of Tromso, Norway;
 Virginia Commonwealth University, Richmond, VA;

Associate Editor for *The International Journal of Psychophysiology* (2009-2013).

Associate Editor for *Psychophysiology* (2010-2013).

Reviewer of textbooks for several publishers in the areas of Statistics and Research Methods;
 Introductory Psychology; Psychopharmacology; Physiological Psychology.

Grant reviewer for Australian Research Council, 1992-2012; National Institutes of Health, 1999-2003;
 National Science Foundation, 2001.

Society for Psychophysiological Research: President, 2013-14; Distinguished Contribution to
 Psychophysiology Committee, 2012-2015; Treasurer, 2003-06; Publication Board, 1995-98;
 Nominations Committee, 1996-98; Early Career Contribution Award Selection Committee, 2002-05;
 2017-2020; Convention Sites Committee, 2005-08; Program Committee, 1989, 1997, 2010, 2015;
 Public relations Committee, 2011-2014; Committee to Promote Student Interests (2017-2020).

Member of the Program Committee for: The Conference on Human Development (1988, 1990, 1994);
 The Society for Psychophysiological Research (1989, 1997, 2010, 2015); German Conference on
 Psychology and Brain (Deutschen Gesellschaft fur Psychophysiologie und ihre Anwendung - DGPA)
 (2015, 2016, 2017).

North Carolina Cognition Meeting steering committee (2005; 2010).

SYNAPSE conference steering committee (2010).

University Service

Committee on Information Technology (Chair)
 Committee on Athletics (Chair)
 Committee on Academic Planning (Chair)
 Institutional Review Board (Chair)
 Committee on Academic Affairs
 Tenure and Promotion Panel
 Graduate School Honor Panel
 Undergraduate Honor and Ethics Council
 Research Advisory Council

Neuroscience Minor Committee
 Archie Fund Review Committee
 Dean of the College Search Committee
 Lower Division Advising
 Interdisciplinary Major Committee
 Faculty Fellows Program

Departmental Service

Introductory Research Pool Coordinator
 Undergraduate Studies Committee
 Long Range Planning Committee
 Work Load Points System Committee
 Colloquium Committee

Promotion and Tenure Policy Committee
 First Year Seminar Committee
 Job Candidate Search Committees
 Chair Development Officer
 Learning Outcomes Assessment Committee

Graduate Student Theses Supervised (Master's unless otherwise noted) (at Wake Forest University Department of Psychology or WFU School of Medicine (WFUSM) unless otherwise noted):

Edward Schicatanò (PhD,WFUSM)	Becky Mussat-Whitlow	Joseph Noto
Tamara Spence (PhD,WFUSM)	Scott Bovelsky	Kelly Beth Bowker
Thomas Britt	James Gambill	Zachary Reynolds
Cynthia Creps	Traverse Burnett	Jessica Washington
Lydia Tchividjian	Lotus Wuensch	Elizabeth Comitz
Jeremy Chapman	Minzhong Chen	Leah Brown
Christopher Norris	Berry Hiott	Alex Faunce
Matthew Schmolesky	Ben Hill	Hope Peterson
Siobhan Andrews	Melissa Rawley	Aparna Sivakumar
Anita Sarno	Melissa Fox	

Graduate Thesis Committee Member (outside Wake Forest University Psychology Department)

Scott Burian (PhD) (WFUSM)	Ottmar Lipp (Habilitation: Marburg University, Germany)
Sara Ward (PhD) (WFUSM)	Martin Junker (PhD) (Swiss Institute of Technology)
Renee Claytor (PhD) (WFUSM)	Aake Elden (PhD) (Tromso University, Norway)
Keri Chiodo (PhD) (WFUSM)	Alanda Thompson (PhD) (University of Queensland, Australia)
Jenn Martelle (PhD) (WFUSM)	Sakinah Alhadad (PhD) (University of Queensland, Australia)
Kim Bernosky (WFUSM)	Andreas Behrje (University of Trier, Germany)
Elizabeth Staniforth (WFUSM)	
Elaine Shing (WFUSM)	
Hessam Alimohammadi (PhD) (WFU Biology)	

Undergraduate Research Theses Supervised (Psychology or Neuroscience)

Heather Manspeizer	Taryn Toval	Genavee Brown
Bard Levey	Lydia Gioia	Sarah Brown
Cecilia Acocella	Heather Scalf	Geoff Janssen
Eugene Tolomeo	Elise Agrella	Andrew Amari
Amit Verma	Michelle Wilkinson	Alexandru Firan
Curt LaFrance	Nathan Schultheiss	Angelique Ciliberti
Charles Laymon	Devan Culbreth	Lisa Manderino
John Carton	Scott Duncan	Monica Hegde
Robert Linz	Ryan Newton	Hope Peterson
Christopher Goode	Joseph Franklin	Matilda Whitney
Cecilia McNamara	Ashley Mays	Catherine Bradley
Christopher Lovelace	Sarai Bergen	Michael Brown
Kevin Muse	Nicole Moretti	Maddie Balsler
Edward Ergenzinger	Leslie Rice	Allison Clark
Jennifer Scruggs	Meg Henry	

Courses Taught:

At **Hamilton College:** Introductory Psychology, Developmental Psychology, Cognition, Statistics and Research Methods, Psychopharmacology, Physiological Psychology, Infancy and Early Childhood, Directed Study

At **High Point University:** Physiological Psychology, Statistics and Research Methods, History and Systems of Psychology, Senior Seminar

At **Wake Forest University:** Biopsychology, Introductory Psychology, Statistics and Research Methods, Physiological Psychology, Psychopharmacology, History and Systems of Psychology, Contemporary Issues in Psychology (Subcortical Psychology), Introduction to Neuroscience, Translational Science Seminar; First Year Seminar (The Drug Wars; Neurological Disorders), Directed Research, Biological Psychology (Graduate Level).

References

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