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Education:

B.S. Psychology, Magna Cum Laude 1977 St. Norbert College, Wisconsin
M.S. Experimental (Cognitive) Psychology 1981 University of Wisconsin-Madison
Ph.D. Experimental (Cognitive) Psychology 1985 University of Wisconsin-Madison

Academic and Research Experience

2005-present Associate Director, NIMH Center for the Study of Emotion/Attention
2000-present Research Professor, University of Florida
1995-present Director, Media Core, NIMH Center for the Study of Emotion and Attention
1994-present Faculty, University of Florida Brain Institute
1994-2000 Associate Research Professor, University of Florida
1989-1993 Assistant Research Scientist, University of Florida.
1985-1987 Post-doctoral research associate, University of Florida.
1977-1983 Graduate research and teaching assistant, University of Wisconsin-Madison.

Teaching:
1991-present Graduate Research Faculty, University of Florida
1988-1989 Visiting Lecturer, Psychology, University of Florida
1980-1982 Teaching assistant, University of Wisconsin-Madison

Editorial responsibilities

Editor, Psychophysiology, 2003-2006.
Associate Editor, *Psychophysiology*, 1994-2002
Associate Editor, *Journal of Abnormal Psychology*, 2000-2002
Editorial boards: *Motivation and Emotion* (2000-present), *Journal of General Psychology* (1999-present), *Journal of Abnormal Psychology* (1993-1999)
Member, NIMH Clinical Neuroscience & Biological Psychopathology study section, 1995-1998.

Ad hoc member: Numerous NIMH, NIDA, and other NIH study sections.

Ad Hoc reviewer (Representative journals)

Journal of Cognitive Neuroscience; Cognition & Emotion; JEP: Learning, Memory & Cognition; Psychological Science, International Journal of Psychology; Biological Psychology; Biological Psychiatry; Behavior Research Methods, Instrumentation & Computers; Journal of Psychophysiology; Journal of Communication; Neuroscience Letters, Personality and Social Psychology Bulletin, Journal of Neuroscience, NIDA, NIMH, NSF, MacArthur Foundation.

Membership in Professional Societies

American Psychological Society
Psychonomic Society,
Society for Neuroscience
Society for Psychophysiological Research
President, 2002
Chair, Tursky Award Committee, 2003
Member, Senior Award Committee, 2003

Board of Directors, 1996 - 1999
 Program Chair, 1996
 Program Committee, 1993, 1995, 1997, 1999

American Psychological Association

Abstracts reviewer, Division 12, Clinical Psychology 1995-1998,2000

Recent Grant Support

2001-2006 NIDR, DE 13956, Principal investigator
Dental fear and the anticipation of pain: Imaging the brain
 2005-2010 NIMH MH072850, Principal Investigator
Attention to threat: Motivation & Memory
 2008-2009 Angelman Syndrome Foundation, Principal Investigator
Brain potentials in individuals with Angelman Syndrome
 2008-2011 NIMH, Faculty NRSA mentor
Cognitive reversal of fear

Publications

- Glenberg, A. M., & Bradley, M. (1979). Mental contiguity. *Journal of Experimental Psychology: Human Learning and Memory*, 5, 88-97.
- Glenberg, A. M., Bradley, M., Stevenson, J., Kraus, T., Tkachuck, M., Gretz, A., Fish, J., & Turpin, B. (1980). A two-process account of long-term serial position effects. *Journal of Experimental Psychology: Human Learning and Memory*, 6, 355-369.
- Glenberg, A. M., Bradley, M., Kraus, T., & Renzaglia, G. (1983). Studies of the long-term recency effect: Support for a contextually guided retrieval hypothesis. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 9, 231-255.
- Bradley, M. M. & Glenberg, A. M. (1983). Strengthening associations: Duration, attention, or relations? *Journal of Verbal Learning and Verbal Behavior*, 22, 650-666.
- Epstein, W., Glenberg, A.M., & Bradley, M. (1984). Coactivation and comprehension: Contribution of text variables to the illusion of knowing. *Memory and Cognition*, 12, 355-360.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1988). Perceptually driven movements as contextual retrieval cues. *Bulletin of the Psychonomic Society*, 26, 541-543.
- Bradley, M. M., Cuthbert, B.N., & Lang, P. J. (1990). Startle reflex modification: Emotion or attention? *Psychophysiology*, 27, 513-523.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1990). Emotion, attention, and the startle reflex. *Psychological Review*, 97, 377-398.
- Lang, P. J., Cuthbert, B. N., & Bradley, M. M. (1990). Emotion, psychopathology and the startle reflex. In H. G. Zapolotzky & T. Wenzel (Eds.), *The scientific dialogue: From basic research to clinical intervention. Annual series of European research in behavior therapy*, (Vol. 5, pp. 27-32). Amsterdam: Swets & Zeitlinger.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1991). Startle and emotion: Lateral acoustic probes and the bilateral blink. *Psychophysiology*, 28, 285-295.
- Cuthbert, B. N., Vrana, S. R., & Bradley, M. M. (1991). Imagery: Function and physiology. In P. Ackles, J. Jennings, & M. Coles (Ed.), *Advances in Psychophysiology, IV*. JAI press.
- Hamm, A. O., Greenwald, M. K., Bradley, M. M., & Cuthbert, B. N. (1991). The fear potentiated startle effect: Blink reflex modulation as a result of classical aversive conditioning. *Integrative Physiological and Behavioral Science*, 26, 119-126.
- Bradley, M. M., Greenwald, M. K., Petry, M., & Lang, P. J. (1992). Remembering pictures: Pleasure and arousal in memory. *Journal of Experimental Psychology: Learning, memory, and cognition*, 18, 379-390.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1992). A motivational analysis of emotion: Reflex-cortex connections. *Psychological Science*, 3, 44-49.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1993). Pictures as prepulse: Attention and emotion in startle modification. *Psychophysiology*, 30, 541-545.

- Bradley, M. M., Greenwald, M. K., & Hamm, A. O. (1993). Affective picture processing. In N. Birbaumer & A. Ohman (Eds.), *The structure of emotion: Psychophysiological, cognitive, and clinical aspects*. Toronto: Hogrefe & Huber.
- Bradley, M. M., Lang, P. J., & Cuthbert, B. N. (1993). Emotion, novelty and the startle reflex: Habituation in humans. *Behavioral Neuroscience*, *107*, 970-980.
- Bradley, M. M., & Vrana, S. R. (1993). The startle probe in the study of emotion and emotional disorders. In N. Birbaumer & A. Ohman (Eds.), *The structure of emotion: Psychophysiological, cognitive, and clinical aspects*. Toronto: Hogrefe & Huber.
- Hamm, A. O., Greenwald, M. K., Bradley, M. M., & Lang, P. J. (1993). Emotional learning, hedonic change, and the startle probe. *Journal of Abnormal Psychology*, *102*, 453-465.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1993). Emotion and psychopathology: A startle probe analysis. In L. Chapman & D. Fowles (Eds.), *Progress in experimental personality and psychopathology research. Models and methods of psychopathology*. New York: Springer.
- Lang, P. J., Greenwald, M. K., Bradley, M. M., & Hamm, A. O. (1993). Looking at pictures: Affective, facial, visceral, and behavioral reactions. *Psychophysiology*, *30*, 261-273.
- Patrick, C. J., Bradley, M. M., & Lang, P. J. (1993). Emotion in the criminal psychopath: Startle reflex modulation. *Journal of Abnormal Psychology*, *102*, 89-92.
- Bradley, M. M. (1994). Emotional memory: A dimensional analysis. In S. Van Groot, N.E. Van de Poll, & J. Sargeant (Eds.), *The emotions: Essays on emotion theory* (pp. 97 - 134). Hillsdale, NJ: Erlbaum.
- Bradley, M. M. & Lang, P. J. (1994). Measuring emotion: SAM and the semantic differential. *Journal of Experimental Psychiatry & Behavior Therapy*, *25*, 49-59.
- Bonnet, M., Bradley, M. M., Lang, P. J., & Requin, J. (1995). Emotion and spinal reflex action. *Psychophysiology*, *32*, 367-372.
- Bradley, M. M. (1996). Gonna change my way of thinking. *Contemporary Psychology*, *41*, 258-260.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1996). Lateralized startle probes in the study of emotion. *Psychophysiology*, *33*, 156-161.
- Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (1996). Probing picture perception: Activation and emotion. *Psychophysiology*, *33*, 103-111.
- Morris, M. R., Blashfield, R. K., Rankupalli, B, Bradley, M. M., & Goodman, W. K. (1996). Subclinical obsessive compulsive disorder in college students. *Depression and Anxiety*, *4*, 233-236.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1996). Picture media and emotion: Effects of a sustained affective context. *Psychophysiology*, *33*, 662-670.
- Heesacker, M. & Bradley, M. M. (1997). Beyond feelings: Psychotherapy and emotion. *Counseling Psychologist*, *25*, 201-219
- Lane, R. D., Reiman, E. M., Bradley, M. M., Lang, P. J., Ahern, G. L., Davidson, R. J., & Schwartz, G. E. (1997). Neuroanatomical correlates of pleasant and unpleasant emotion. *Neuropsychologia*, *35*, 1437-1444.
- Lang, P. J., Bradley, M. M., & Cuthbert, M. M. (1997). Motivated attention: Affect, activation and action. In P. J. Lang, R. F. Simons & M. T. Balaban (Eds.), *Attention and Orienting: Sensory and Motivational Processes*. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc.
- Schupp, H. T., Cuthbert, B. N., Bradley, M. M., Birbaumer, & Lang, P. J. (1997). Probe P3 and blinks: Two measures of affective startle modulation. *Psychophysiology*, *34*, 1-6.
- Lang, P. J., Bradley, M. M., Fitzsimmons, J. R., Cuthbert, B. N., Scott, J. D., Moulder, B. & Nangia, V. (1998). Emotional arousal and activation of the visual cortex: An fMRI analysis. *Psychophysiology*, *35*, 199-210.
- Cuthbert, B. N., Schupp, H. T., Bradley, M. M., McManis, M. H., & Lang, P. J. (1998). Probing affective pictures: Attended startle and tone probes. *Psychophysiology*, *35*, 344-347.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1998). Emotion and attention: Stop, look, and listen. *Current Psychology of Cognition*, *17*, 997-1020.

- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1998). Emotion, motivation, and anxiety: Brain mechanisms and psychophysiology. *Biological Psychiatry, 44*, 1248-1263.
- Lang, P. J., Bradley, M. M., & Cuthbert, B. N. (1998). Emotion and motivation: Measuring affective perception. *Journal of Clinical Neurophysiology, 15*, 397-408.
- Lang, P. J., Cuthbert, B. N., & Bradley, M. M. (1998). Measuring emotion in therapy: Imagery, activation, and feeling. *Behavior Therapy, 655-674*.
- Greenwald, M. K., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1998). Sensitization of the startle reflex in humans following aversive electric shock exposure. *Behavioral Neuroscience, 112*, 1069-1079.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1999). Affect and the startle reflex. In M. E. Dawson, A. Schell, and A. Boehmelt (Eds.), *Startle Modification: Implications for Neuroscience, Cognitive Science and Clinical Science*. Stanford, CA: Cambridge University Press.
- Bradley, M. M., & Lang, P. J. (1999). Fearfulness and emotional reactivity: Facilitation in encoding and remembering aversive pictures. *Motivation and Emotion, 23*, 1-13.
- Bradley, M. M., Lang, P. J. (2000). Affective reactions to acoustic stimuli. *Psychophysiology, 37*, 204-215.
- Schupp, H. T., Cuthbert, B. N., Bradley, M. M., Cacioppo, J. T., Ito, T., & Lang, P. J. (2000). Affective picture processing: The late positive potential is modulated by motivational relevance. *Psychophysiology, 37*, 257-261.
- Bradley, M. M. & Lang, P. J. (2000). Measuring emotion: Behavior, feeling and physiology. In R. Lane & L. Nadel (Eds.), *Cognitive Neuroscience of Emotion*. New York: Oxford University Press.
- Cuthbert, B. N., Schupp, H. T., Bradley, M. M., Birbaumer, N., & Lang, P. J. (2000). Brain potentials in affective picture processing: Covariation with autonomic arousal and affective report. *Biological Psychology, 52*, 95-111.
- Bradley, M. M. (2000). Emotion and motivation. In J.T. Cacioppo, L. G. Tassinary, & G. Berntson (Eds.), *Handbook of Psychophysiology* (pp. 602-642). New York: Cambridge University Press.
- Levenston, G. K., Patrick, C. J., Bradley, M. M., & Lang, P. J. (2000). The psychopath as observer: Emotion and attention in picture processing. *Journal of Abnormal Psychology, 109*, 373-385.
- Hillman, C. H., Cuthbert, B. H., Cauraugh, J., Schupp, H. T., Bradley, M. M., & Lang, P. J. (2000). Psychophysiological responses of sport fans. *Motivation and Emotion, 24*, 13-28.
- McManis, M. H., Bradley, M. M., Berg, W. K., Cuthbert, B. N., & Lang, P. J. (2001). Emotional reactivity in children: Verbal, physiological, and behavioral responses to affective pictures. *Psychophysiology, 38*, 222-231.
- Junghoefer, M., Bradley, M. M., Elbert, T. R., & Lang, P. J. (2001). Fleeting images: A new look at early emotion discrimination. *Psychophysiology, 38*, 175-178.
- Sabatinelli, D., Bradley, M. M., & Lang, P. J. (2001). Startle modulation in anticipation and perception. *Psychophysiology, 38*, 719-722.
- Codispoti, M., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (2001). Affective reactions to briefly presented pictures. *Psychophysiology, 38*, 474 – 478.
- Drobes, D. J., Miller, E. J., Hillman, C. H., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (2001). Food deprivation and emotional reactions to food cues: Implications for eating disorders. *Biological Psychology, 57*, 153-177.
- Bradley, M. M., Codispoti, M., Cuthbert, B. N., & Lang, P. J. (2001). Emotion and motivation I: Defensive and appetitive reactions in picture processing. *Emotion, 1*, 276-298.
- Bradley, M. M., Codispoti, M., Sabatinelli, D., & Lang, P. J. (2001). Emotion and motivation II: Sex differences in picture processing. *Emotion, 1*, 300-319.
- Bradley, M. M. (2001). Psychophysiology of emotional perception and implications for understanding emotion-memory relationships. In A. Kaszniak (Ed.), *Emotions, qualia and consciousness* (pp. 211-215). River Edge, NJ: World Scientific Publishing Co.
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- Sloan, D. M., Marx, B. P., Bradley, M. M., Strauss, C. C., Lang, P. J., & Cuthbert, B. C. (2002). Examining the High-End Specificity of the Beck Depression Inventory Using an Anxiety Sample. *Cognitive Therapy and Research*, *26*, 719-727
- Zhao, Q., Principe, J. C., Fitzsimmons, J., Bradley, M. M., & Lang, P. J. (2002). Functional magnetic resonance imaging data analysis with information-theoretic approaches. In P. M. Pardalos and J. C. Principe (Eds.), *Biocomputing* (pp. 159-173). Kluwer Academic Publishers.
- Cuthbert, B. N., Lang, P. J., Strauss, C., Drobles, D., Patrick, C. & Bradley, M. M. (2003). The psychophysiology of anxiety: Fear memory imagery. *Psychophysiology*, *40*, 407-422.
- Bradley, M. M., Sabatinelli, D., Lang, P. J., Fitzsimmons, J. R., King, W. M., & Desai, P. (2003). Activation of the visual cortex in motivated attention. *Behavioral Neuroscience*, *117*, 369-380
- Shapira, N. A., Liu, Y., He, A. G., Bradley, M. M., Lessig, M. C., James, G. A., Stein, D. J., Lang, P. J., & Goodman, W. K. (2003). Brain Activation by Disgust-Inducing Pictures in Obsessive-Compulsive Disorder. *Biological Psychiatry*, *54*, 751-756.
- Keil, A., Gruber, T., Müller, M. M., Moratti, S., Stolarova, M., Bradley, M. M., & Lang, P. J. (2003). Early modulation of visual perception by emotional arousal: Evidence from steady-state visual evoked brain potentials. *Cognitive, Affective and Behavioral Neuroscience*, *3*, 195 - 206.
- Verona, E., Patrick, C., Curtin, J. J., Bradley, M. M., & Lang, P. J. (2004). Psychopathy and physiological response to emotionally evocative sounds. *Journal of Abnormal Psychology*, *113*, 99-108.
- Schupp, H. T., Cuthbert, B. N., Bradley, M. M., Hillman, C. H., Hamm, A. O., & Lang, P. J. (2004). Brain processes in emotional perception: Motivated attention. *Cognition and Emotion*, *18*, 593- 611.
- Sabatinelli, D., Flaisch, T., Bradley, M. M., Fitzsimmons, J. R., & Lang, P. J. (2004). Affective picture perception: Gender differences in visual cortex. *NeuroReport*, *15*, 1109-1112.
- Hillman, C. H., Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (2004). Motivated engagement to appetitive and aversive fan ship cues: Psychophysiological responses to rival sports fans. *Journal of Sport and Exercise Psychology*, *26*, 338-351.
- Verona, E., Patrick, C., Curtin, J. J., Bradley, M. M., & Lang, P. J. (2004). Psychopathy and physiological response to emotionally evocative sounds. *Journal of Abnormal Psychology*, *113*, 99-108.
- Bradley, M. M., Moulder, B., & Lang, P. J. (2005). When good things go bad: The reflex physiology of defense. *Psychological Science*, *16*, 468-473.
- Junghofer, M., Sabatinelli, D., Bradley, M., Schupp, H., Elbert, T. & Lang, P. J. (2006). Fleeting images: Rapid affect discrimination in the visual cortex. *Neuroreport*, *17*, 225-229.
- Heft, M. W., Meng, X., Bradley, M. M., & Lang P. J. (2007). Gender differences in reported dental fear and fear of dental pain. *Community Dentistry and Oral Epidemiology* *35*, 421-428.
- Keil, A., Moratti, S., Sabatinelli, D., Bradley, M. M., & Lang, P. J. (2005). Additive effects of emotional content and spatial selective attention on electrocortical facilitation. *Cerebral Cortex*, *15*, 1187-1197.
- Meng, X., Heft, M. W., Bradley, M. M., & Lang, P. J. (2007) Effect of fear on dental utilization behaviors and oral health outcome. *Community Dentistry and Oral Epidemiology*, *35*, 292-301.
- Sabatinelli, D., Bradley, M. M., Fitzsimmons, J. R., & Lang, P. J. (2005). Parallel amygdala and inferotemporal activation reflect emotional intensity and fear relevance. *NeuroImage*, *24*, 1265-1270.
- Smith, J. C., Bradley, M. M., & Lang, P. J. (2005). State anxiety and affective physiology: Effects of sustained exposure to affective pictures. *Biological Psychology*, *69*, 247-260.

- Brown, L. M., Bradley, M. M., & Lang, P. J. (2006). Affective reactions to pictures of ingroup and outgroup members. *Biological Psychology*, *71*, 303-311.
- Codispoti, M., Ferrari, V., & Bradley, M. M. (2006). Repetitive picture processing: Autonomic and cortical correlates. *Brain Research*, *12*, 213-220.
- Fischler, I. & Bradley, M. M. (2006). Event-related potential studies of language and emotion: Words, phrase, and task effects. *Progress in Brain Research*, *156*, 185-203.
- Smith, J. C., Low, A., Bradley, M. M., & Lang, P. J. (2006). Rapid picture presentation and affective engagement. *Emotion*, *6*, 208-14.
- Sabatinelli, D., Lang, P. J., Keil, A., & Bradley, M. M. (2007). Emotional perception: Correlation of functional MRI and event-related potentials. *Cerebral Cortex*, *17*, 1085-1091.
- Sabatinelli, D., Lang, P. J., Bradley, M. M., & Flaisch, T. (2006). The neural basis of narrative imagery: Emotion and action. *Progress in Brain Research*, *156*, 93-103.
- Bradley, M. M., Codispoti, M. & Lang, P. J. (2006). A multi-process account of affective startle modulation during affective perception. *Psychophysiology*, *43*, 486-497.
- Codispoti, M., Ferrari, V., & Bradley, M. M. (2007). Repetition and Event-related Potentials: Distinguishing Early and Late Processes in Affective Picture Perception. *Journal of cognitive neuroscience*, *19*, 577-586.
- Bradley, M. M. & Lang, P. J. (2007). Emotion and motivation. In J.T. Cacioppo, L. G. Tassinary, & G. Berntson (Eds.), *Handbook of Psychophysiology* (2nd Ed., pp. 581-607). New York: Cambridge University Press.
- Sabatinelli, D., Lang, P. J., Keil, A., & Bradley, M. M. (2007). Emotional perception: correlation of functional MRI and event related potentials. *Cerebral Cortex*, *17*, 1085-1091.
- Keil, A., Bradley, M. M., Junghöfer, M., Russmann, T., Lowenthal, W. & Lang, P. J. (2007). Cross-modal attention capture by affective stimuli: Evidence from event-related potentials. *Cognitive, Affective, & Behavioral Neuroscience*, *7*, 18-24.
- Heft, M., Meng, X., Bradley, M.M., & Lang, P. J. (2007). Gender differences in reported dental fear. *Community Dentistry and Oral Epidemiology*, *35*:421-8.
- Bradley, M. M. & Lang, P. J. (2007). The *International Affective Picture System* (IAPS) in the study of emotion and attention. In J. A. Coan and J. J. B. Allen (Eds). *Handbook of Emotion Elicitation and Assessment* (pp. 29-46). Oxford University Press.
- Bradley, M. M., Hamby, S., Loew, A., & Lang, P.J. (2007). Brain potentials in perception: Picture complexity and emotional arousal. *Psychophysiology*, *44*, 364-373.
- Meng, X., Heft, M., Bradley, M.M., & Lang, P. J. (2007). Effect of fear on dental utilization behaviors and oral health outcome. *Community Dentistry and Oral Epidemiology*, *35*(4):292-301.
- Codispoti, M., Ferrari, V., & Bradley, M. M. (2007). Repetition and event-related potentials: Distinguishing early and late processes in affective picture perception. *Journal of Cognitive Neuroscience*, *19*, 577-586.
- Sabatinelli, D., Bradley, M. M., Lang, P. J., Costa, V. D., Versace, F. (2007). Pleasure rather than salience activates human nucleus accumbens and medial prefrontal cortex. *Journal of Neurophysiology*, *98*, 1374-1379.
- Pastor, M., Bradley, M.M., Löw, A., Versace, F., Molto, J., & Lang, P.J. (2008). Affective picture perception: Emotion, context and the late positive potential. *Brain Research*, *1189*, 145-151.
- Flaisch, T., Junghofer, M., Bradley, M.M., Schupp, H.T., & Lang, P. J. (2008). Rapid picture processing: Affective primes and targets. *Psychophysiology*, *45*, 1-10.
- Lang, P. J., & Bradley, M. M. (in press). Appetitive and defensive motivation as the substrate of emotion. In A. Elliott (Ed.), *Handbook of approach and avoidance motivation*. Erlbaum.
- Löw, A., Lang, P.J., Smith, J.C., & Bradley, M. M. (in press). Predator and prey: Human brain and reflex reactions in a simulated survival environment. *Psychological Science*.
- Ferrari, V., Codispoti, M., Cardinale, R. & Bradley, M. M. (in press). Directed and motivated attention during processing of natural scenes. *Journal of Cognitive Neuroscience*.

- Bradley, M.M., Miccoli, L., Escrig, M.A., & Lang, P.J. (in press). The pupil as a measure of emotional arousal and autonomic activation. *Psychophysiology*.
- Bradley, M. M., Silakowski, T., & Lang, P. J. (in press). Fear of pain and defensive activation. *Pain*.
- Bradley, M.M. (in press). Natural selective attention: Orienting and emotion. *Psychophysiology*.

Manuscripts under review

- Bradley, M. M., Costa, V. D., Sivinksi, R., & Lang, P. J. (2007). Tracking emotion: Orienting and attention capture. *Manuscript submitted for publication*.
- Bradley, M. M., Klumpe, H. & Lang, P. J. (2008). Directed forgetting: Emotion and memory. *Manuscript submitted for publication*.
- Sanchez, M.B., Guerra, P. Munoz, M.A., Mata, J.L, Bradley, M.M., Lang, P.J., & Vila, J. (2008). Fear potentiation among protective reflexes: Cardiac defense and eyeblink startle. *Manuscript submitted for publication*.
- Van diest, I., Bradley, M.M., Lang, P.J., Guerra, P. & Van den Bergh, O. (2008). Fear conditioned breathing behavior during affective learning. *Manuscript submitted for publication*.
- Versace, F., Bradley, M.M., & Lang, P. J. (2008). Attention capture: Memory for rapidly presented emotional pictures. *Manuscript submitted for publication*.

Invited addresses, workshops, and symposia

- Bradley, M. (1988, March). *Emotion, context, and memory: The response information connection*. Paper presented at Emotion: Image and action; A conference on theory and research in psychopathology, performance, and cognition. Gainesville, Florida.
- Lang, P. J., & Bradley, M. M. (1990, June). *The use of psychophysiological methods in clinical diagnosis and the assessment of treatment*. Pre-conference workshop. Stress, Anxiety and Emotional Disorders. Braga, Portugal.
- Bradley, M. M. (1992, May). *Emotional memory: A dimensional perspective*, Invited address given at 'The Emotions: Conference in honour of Nico H. Frijda', sponsored by The Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands.
- Bradley, M. M., & Lang, P. J. (1992, August). *Emotional processing: Perception, imagery, & memory*. Paper presented in a Symposium entitled "Experimental approaches to emotion and cognition" at the International Society for Research in Emotions. Pittsburgh, Pennsylvania.
- Bradley, M. M. & Cuthbert, B.N. (1993). *Affective modulation of startle in normal & clinical samples*. Paper presented at the meeting of the American Psychological Society in a symposium entitled "Some startling facts about affect and anxiety: Reflex modulation in animals and humans" Chair: Margaret Bradley. Chicago, IL.
- Bradley, M. M. (1993, December). *The psychophysiology of emotion*. Invited address given at 'The brain and emotion', the 19th Annual course in Behavioral Neurology and Neuropsychology, Orlando, Florida.
- Bradley, M. M. (1994, September). *Memory for emotional scenes*. Symposium paper presented at the 24th Congress of The European Association for Behavioral and Cognitive Therapies. Corfu, Greece.
- Bradley, M. M. (1994, October). *On blinks and brains*. Invited address presented at the 34th Annual Meeting for the Society for Psychophysiological Research, pre-conference symposium honoring Frances K. Graham. Atlanta, GA,.
- Bradley, M. M. (1994, July). *Memory for emotional scenes*. Symposium paper presented at the 23rd International Congress of Applied Psychology in Madrid, Spain.
- Bradley, M.M. (1996, August). *Motivation and psychopathology: Startling findings*. Paper presented at the Annual Meeting of the American Psychological Association, Toronto, Canada.

- Bradley, M.M. (1996, December). *Emotion in perception: Affect, behavior, and physiology*. Invited address presented at The Interface of Emotion and Cognitive Neuroscience Conference, University of Arizona.
- Lang, P.J., & Bradley, M.M. (1996, September) *Psychological nature of stress*. Invited address presented at the University of Granada, Spain.
- Bradley, M.M. (1996, December). *Emotional perception: Reflexes, physiology, & verbal report*. Invited address, International Neuropsychological Society annual meeting, Orlando, FL.
- Lang, P.J., & Bradley, M.M. (1997, May). *Emotion and cognition*. Invited presentation, "Neural substrates of cognitive functions. Conference in honor of Jean Requin (1938-1996), CNRS, Marseille, France.
- Bradley, M.M. (1997, June). *Neuroimaging of emotion*. Invited address, International Conference on Emotion and Stress, Granada, Spain.
- Bradley, M.M. (1997, October). *Show me the \$\$\$! Tips for preparing grant applications*. Presentation, Society for Psychophysiological Research, Cape Cod, MA.
- McManis, M, Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1997, March). Kids like to watch: Psychophysiological responses to emotional pictures. Symposium presentation at the annual meeting of the Society for Research in Child Development.
- Lang, P. J., Cuthbert, B. N., & Bradley, M. M. (1997, May). Emotion and the anxiety disorders: A psychophysiological analysis. Symposium presentation at the annual meeting of the American Psychological Society, Washington, DC.
- Cuthbert, B. N., Sullivan, E. R., Strauss, C., Bradley, M. M., & Lang, P. J. (1997). Specific phobia and other anxiety disorders. Symposium presented at the annual meeting of the Society for Psychophysiological Research, Cape Cod, MA.
- Bradley, M. M., Lang, P. J., Fitzsimmons, J. R., Cuthbert, B. N., & Sabatinelli, D. (1998, September). *Emotional images: Arousal and activation*. Symposium presentation, Society for Psychophysiological Research, Denver, CO.
- Bradley, M. M. (1998, October). *Psychophysiology of emotional perception*. Invited lecture, Emotions, Qualia, & Consciousness Conference. Ischia, Italy.
- Bradley, M. M. (1998, October). *Emotion and memory*. Invited lecture, Emotions, Qualia, & Consciousness Conference. Ischia, Italy.
- Bradley, M.M. (1998, March). *The conscious experience of emotion: Measurement and function*. On-Line conference: The Interface of Emotion, Consciousness, and Cognitive Neuroscience.
- Bradley, M. M. (1998, August). *Imaging emotion: Perception and activation*. Invited, Cognitive Science Society, Madison, WI.
- Bradley, M. M., Lang, P. J., Fitzsimmons, J. R., Cuthbert, B. N., & Sabatinelli, D. (1998, September). *Emotional images: Arousal and activation*. Paper presentation, Society for Psychophysiological Research, Denver, CO.
- Lang, P. J. & Bradley, M. M. (1999, October). *The defense cascade*. Paper presentation, Society for Psychophysiological Research, Granada, Spain.
- Hackley, S. A., Bradley, M. M., Valle-Inclan, & Thayer, J. (1999, October). *Integrating peripheral and central psychophysiological measures*. Paper presentation, Society for Psychophysiological Research, Granada, Spain.
- Lang, P. J., & Bradley, M. M. (1999, October). *The role of the amygdala in animal models of human emotion*. Invited presentation at a symposium entitled "The emotional basis of behavior: held at the Sonderforschungsbereich, Tutzing, Germany.
- Lang, P. J. & Bradley, M. M. (1999, June). *Emotional perception: Media and affective arousal*. Invited presentation, Neuroscience and Basic Behavioral Science Centers Meeting, NIMH, Washington, DC.
- Lang, P. J., & Bradley, M. M. (2000, January). *Altered states of reality: Imagery, media and virtual perception*. Invited presentation, ASC-Symposium, Sils Maria, Switzerland.
- Bradley, M. M. & Lang, P.J. (2000, June). *International affective picture system as a tool in psychosomatic research*. Workshop at the 23rd European Conference on Psychosomatic Research, Oslo, Norway.

- Bradley, M. M., & Lang, P. J. (2000, July). *Imaging human emotion: Psychophysiological measurement of the brain and its efferent systems during affective stimulation*. Workshop at the International Congress of Psychology, Stockholm, Sweden.
- Bradley, M. M. & Lang, P. J. (2001, March). *Dental fear and the anticipation of pain*. Invited presentation at the American Association of Dental Research, Chicago, IL.
- Bradley, M. M. (2001, May). *Emotion captures attention: How motivation drives cognition*. Invited presentation at the Acquisition and representation of affect: Psychophysiological approaches to learning, affect and health, Lignely, Belgium.
- Bradley, M. M. (2001, June). *Emotional perception: Psychophysiology and brain imaging*. Invited presentation at the II International Conference on Emotion and the Brain, Palma de Mallorca, Spain.
- Bradley, M. M. (2002, March). *Emotional memory: Arousal and attention*. Invited presentation at the Southern Workers in Memory (SWIM) group at the meeting of the Southeastern Psychological Association, Orlando, FL.
- Bradley, M. M. (2002, May). *The psychophysiology of fear and anxiety*. Keynote speaker at annual meeting of German Clinical Psychologists. Konstanz, Germany.
- Bradley, M. M. (2002, October). *Natural selective attention: Emotion in perception*. Presidential Address at the 42nd Annual Meeting of the Society for Psychophysiological Research, Washington, D.C.
- Bradley, M. M. (2003, May). *Natural Selective Attention: Emotion in Perception*. Invited presentation at the III International Conference on Emotion and the Brain, Lisbon, Portugal.
- Bradley, M. M. (2003, September). *Emotion and natural selective attention*. Invited address given at the 10th Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology (ISARP), Leuven, Belgium.
- Smith, J. C., Bradley, M. M., Scott, R. P., & Lang, P. J. (2003, October). *Physical activity promotes normal emotional reactivity among individuals with high negative affect*. Poster session presented at the "Physical activity and mental health: a multidisciplinary approach" meeting hosted by the Cooper Institute, Dallas, TX.
- Bradley, M. M. (2004, March). *Fearfulness and affective responses to pictures*. Symposium presentation at the annual meeting of the Anxiety Disorders Association of America, Miami, FL.
- Bradley, M. M. (2005, July). *Emotion and orienting*. Invited talk, European Congress of Psychology, Granada, Spain.
- Lang, P. J. & Bradley, M. M. *Big Science*. (2006, February). Invited presentation, Counsel of Graduate Departments of Psychology, Sarasota, FL.
- Bradley, M. M. (2004, March). *Fearfulness and affective responses to pictures*. Symposium presentation at the annual meeting of the Anxiety Disorders Association of America, Miami, Florida.
- Bradley, M. M. (2004, September). *Understanding emotional language content*. Keynote address at the Center for Junior Research Fellows Konstanz and Young Scientist Program of the Heidelberg Academy of Science. Freiburg, Germany.
- Bradley, M. M., Löw, A., & Lang, P. J. (2004). *Affective modulation of perceptual and cognitive processes in picture viewing*. *Psychophysiology*, 41, S13.
- Bradley, M. M. & Lang, P. J. (2005, January). *Does it matter how we feel when we think? Emotions and ERPs*. Invited presentation at the NITOP Annual Carmel Meeting on Cognitive Psychophysiology. St. Petersburg, Florida.
- Dimoulas, E., Bradley, M. M., & Lang, P. J. (November, 2004). *The tendency to see the glass half empty: Examination of the arousal bias*. Symposium presentation at the 38th Association for the Advancement of Behavior Therapy Annual Convention, New Orleans, LA.
- McTeague, L. M., Laplante, M.-C., Perlman, G., Strauss, C. C., Bradley, M. M., & Lang, P. J. (November, 2004). *Psychophysiology of Narrative Imagery among anxiety patients*. Symposium presentation at the 38th Association for the Advancement of Behavior Therapy Annual Convention, New Orleans, LA.
- Smith, J. C., Loew, A., Laplante, M.-C., Perlman, G., Strauss, C., Bradley, M. M., & Lang, P. J. (November, 2004). *Sustained exposure to emotional pictures: Effects of mood state*.

- Symposium presentation at the 38th Association for the Advancement of Behavior Therapy Annual Convention, New Orleans, LA.
- Bradley, M. M., Silakowski, T., & Lang, P. J. (2005, September). Threat of shock and threat of reward: Aversive and appetitive reinforcers. Symposium presentation at the 45th Annual meeting of the Society for Psychophysiological Research, Lisbon, Portugal. *Psychophysiology*, S14.
- Bradley, M. M. Emotion and orienting. (2006, September). Invited talk, Heidelberg.
- Bradley, M. M. Startle, ERPs and Emotion. (June, 2006). Invited talks. MD Anderson Cancer Center, Houston, Texas.
- Bradley, M.M. (2007, October). Startle and Defense. Paper presented in a symposium entitled The Defense Cascade. 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.

Published abstracts, Conference presentations, Technical reports

- Bradley, M., & Glenberg, A. (1979). Maintaining semantic information. Paper presented at the Convention of the Midwestern Psychological Association.
- Glenberg, A., Bradley, M., Kraus, T., & Tkachuck, M. (1979). Long-term recency effects are not due to STS. Paper presented at the Convention of the Psychonomic Society.
- Glenberg, A., Bradley, M., & Kraus, T. (1980). Extraordinarily long-term recency. Paper presented at the Convention of the Psychonomic Society.
- Glenberg, A., Bradley, M., & Kraus, T. (1982). Simple PAS, STS, and LTS storage models cannot explain long-term modality effects. Paper presented at the Convention of the Midwestern Psychological Association.
- Bradley, M. & Glenberg, A. (1982). Controlled processing does not always strengthen associations. Paper presented at the Convention of the Midwestern Psychological Association.
- Bradley, M. & Glenberg, A. (1985). Encoded relations and episodic priming. Paper presented at the Convention of the Midwestern Psychological Association.
- Bradley, M. M. (1985). Context affects episodic priming: Exploring alternative episodic representations. *Dissertation Abstracts International*, 46, 2, 682-B.
- Bradley, M., Spence, E. & Lang, P. J. (1985). Imagery ability and psychophysiological response to affective texts. *Psychophysiology*, 22, 613-614.
- Cuthbert, B., Bradley, M., Spence, E., Vrana, S., Greenwald, M., Klein, W., & Lang, P.J. (1985). Emotional imagery: Effects of imagery ability and scene type on psychophysiological response. *Psychophysiology*, 22, 587.
- Bradley, M. M., York, D., & Lang, P. (1987). Emotion as context in memory. *Psychophysiology*, 24, 581-582.
- Bradley, M. M., York, D., & Lang, P. J. (1987). A psychophysiological approach to mood and memory. Paper presented at the Convention of the Psychonomic Society.
- Bradley, M., Cuthbert, B., & Lang, P. (1988). Lateral presentation of acoustic startle stimuli in a varying affective foreground. *Psychophysiology*, 25, 436.
- Cuthbert, B., Bradley, M., & Lang, P. (1988). Psychophysiological responses to affective slides across the lifespan. *Psychophysiology*, 25, 441.
- Greenwald, M., Hamm, A., Bradley, M., & Lang, P. (1988). The acoustic startle probe in the assessment of classical aversive conditioning. *Psychophysiology*, 25, 451.
- Bradley, M., Cuthbert, B., & Lang, P. (1988). Laterality in emotion and the acoustic startle probe. Paper presented at the Convention of the Psychonomic Society.
- Lang, P. J., Greenwald, M. K., & Bradley, M. M. (1988). The International Affective Picture System standardization procedure Technical Reports 1B. The Center for Research in Psychophysiology, University of Florida, Gainesville, FL.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1989). Attention or emotion in startle modification? *Psychophysiology*, 26, S15.
- Hamm A., Greenwald, M., Bradley, M., & Cuthbert, B. (1989). Electrodermal extinction and the startle reflex: Two indicators of conditioned fear? Paper presented at the nineteenth annual Congress of the European Association for Behaviour Therapy, Vienna Austria.

- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1990). Probe intensity and startle modulation. *Psychophysiology*, 27, S18.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1990). Habituation and the affect-startle effect. *Psychophysiology*, 27, S18.
- Cuthbert, B. N., Bradley, M. M., York, D. J. & Lang, P. J. (1990). Affective imagery and startle modulation. *Psychophysiology*, 27, S24.
- Greenwald, M. K., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1990). The acoustic startle reflex indexes aversive learning. *Psychophysiology*, 27, S36.
- Patrick, C. J., Bradley, M. M., & Cuthbert, B. N. (1990). The criminal psychopath and startle modulation. Paper presented at the meeting of the Society for Psychophysiological Research in a symposium entitled "*Startle modulation and psychopathology: Exploring the mechanisms of clinical disorders*" Chairs: Margaret Bradley & Bruce Cuthbert. Boston, MA.
- Morris, M., Bradley, M., Bowers, D., Lang, P., & Heilman, K. (1991). Valence-specific hypoarousal following right temporal lobectomy. *Journal of Clinical and Experimental Neuropsychology*, 13, 42.
- Bradley, M. M., Lang, P. J., & Cuthbert, B. N. (1991). The Gainesville murders: Imagining the worst. *Psychophysiology*, 28, S14.
- Bradley, M. M., & Lang, P. J. (1991). Probing resource allocation in mood states: Startle and reaction time measures. *Psychophysiology*, 27, S18.
- Morris, M., Bradley, M., Bowers, D., Lang, P., & Heilman, K. (1991). Valence-specific hypoarousal following right temporal lobectomy. Paper presented at the 19th Annual Meeting of the International Neuropsychological Society. San Antonio, Texas.
- Bradley, M. M., & Lang, P. J. (1992). Temperament and emotional reactivity: Fear, sociability, and restraint. *Psychophysiology*, 29, S22.
- Cuthbert, B. N., Bradley, M. M., McManus, M., Bruner, R., & Lang, P. J. (1993). Probe type and task in picture perception. *Psychophysiology*, 30, S22.
- Schupp, H., Cuthbert, B. N., Bradley, M. M., Lang, P. J., & Birbaumer, N. (1993). Imagining the percept: Cortical and peripheral measures. *Psychophysiology*, 30, S58.
- Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (1993). Orienting and affect: Cortex-reflex connections. *Psychophysiology*, 30, S7.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1993). Tracking affect and attention through time. *Psychophysiology*, 30, S12.
- Cuthbert, B. N., Bradley, M. M., Zabaldo, D., Martinez, S., & Lang, P. J. (1994). Images for all ages: Women and emotional reactions. *Psychophysiology*, 31, S37.
- Bradley, M. M., Moulder, B., & Lang, P. J. (1994). Prepulse-startle probes in an affective foreground. *Psychophysiology*, 31, S28.
- Bradley, M. M., Zack, J. & Lang, P. J. (1994). Cries, screams, and shouts of joy: Affective responses to environmental sounds. *Psychophysiology*, 31, S29.
- Schupp, H., Cuthbert, B. N., Lang, P. J., Bradley, M. M., & Birbaumer, N. (1994). Slow potentials during viewing and imagination of affective material. *Psychophysiology*, 31, S89.
- Bradley, M. M., Brewster, B., Lang, P. J., & Cuthbert, B. N. (1995). I saw the sign: Physiological, verbal, and behavioral responses. *Psychophysiology*, 32, S21.
- Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1995). Imagine that! Startle in action and perception. *Psychophysiology*, 32, S21.
- Bradley, M. M., Gianaros, P. & Lang, P. J. (1995). As time goes by: Stability of affective startle modulation. *Psychophysiology*, 32, S21.
- Cuthbert, B. N., Schupp, H., McManis, M., Hillman, C., Bradley, M. M., & Lang, P. J. (1995). Cortical slow waves: Emotional perception and processing. *Psychophysiology*, 32, S26.
- Drobes, D. J., Hillman, C., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1995). Effects of food deprivation on affective startle modulation and eating behavior. *Psychophysiology*, 32, S28.
- Lang, P. J., Bradley, M. M., Drobes, D., & Cuthbert, B. N. (1995). Emotional perception: Fearful beasts, scary people, sex, sports, disgust, and disasters. *Psychophysiology*, 32, S48.

- Moulder, B., Bradley, M. M., Requin, J., & Lang, P. J. (1995). Tales of Hoffman: Spinal reflexes and emotion. *Psychophysiology*, 32, S54.
- Schupp, H., Cuthbert, B. N., Hillman, C., McManis, M., Bradley, M. M., & Lang, P. J. (1995). Paying attention to emotion: Startle P3 and blink. *Psychophysiology*, 32, S67.
- Lang, P. J., Cuthbert, B. N., Bradley, M. M., & Fitzsimmons, J. R. (1995). Cortical evoked potential and fMRI measures of emotional perception. *Society for Neuroscience Abstract*, 21, 952.
- Lang, P. J., Fitzsimmons, J., & Bradley, M. M., Cuthbert, B. N., & Scott, J. (1996). Processing emotional pictures: Differential activation in primary visual cortex. *Neuroimage*, 3, S231.
- Fitzsimmons, J., Webster, C., Scott, J., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1996). The influence of MRI system stability and RF coil performance on signal detection in fMRI. *Neuroimage*, 3, S22
- Bradley, M. M., Drobles, D., & Lang, P. J. (1996). A probe for all reasons: Reflex and RT measures in perception. *Psychophysiology*, 33, S25.
- Bradley, M. M., Lang, P. J., Cuthbert, B. N., Fitzsimmons, J. R., Scott, J., Nangia, V., & Gintoli, S. (1996). fMRI and affective picture processing. *Psychophysiology*, 33, S25.
- Codispoti, M., Bradley, M. M., Lang, P. J. (1996). Probing the mind's eye: Reflex modulation for briefly presented pictures. *Psychophysiology*, 33, S29.
- Cuthbert, B. N., Schupp, H. T., Bradley, M. M., and Lang, P. J. (1996). Affective picture viewing: Task and stimulus effects on startle P3 and blink. *Psychophysiology*, 33, S32.
- Lang, P. J., Gilmore, R., Cuthbert, B. N., Bradley, M. M., Roper, S., Schupp, H., & Cibula, J. (1996). Inside picture processing: Emotional modulation of ERPs from the cortical surface. *Psychophysiology*, 33, S53.
- Levenston, G. K., Patrick, C. J., Bradley, M. M., and Lang, P. J. (1996). Psychopathy and startle modulation during affective picture processing: A replication and extension. *Psychophysiology*, 33, S55.
- McManis, M. H., Bradley, M. M., Cuthbert, B. N., and Lang, P. J. (1996). Kid's cortical ERPs: Emotion and attention in picture processing. *Psychophysiology*, 33, S61.
- Moulder, B., Bradley, M. M., Cuthbert, B. N., and Lang, P. J. (1996). It's shocking! Conditioning affective categories. *Psychophysiology*, 33, S64.
- Sabatinelli, D., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1996). Wait and see: Aversion and activation in anticipation and perception. *Psychophysiology*, 33, S72.
- Schupp, H. T., Cuthbert, B. N., Hillman, C., Raymann, R., Bradley, M. M., & Lang, P. J. (1996). ERPs and blinks: Sex differences in response to erotic and violent picture content. *Psychophysiology*, 33, S75.
- Cuthbert, B. N., Schupp, H., Bradley, M. M., Hillman, C., & Lang, P. J. (1997). Event-related potentials in picture processing: Emotional stimuli. *Society for Neuroscience Abstracts*, 23, 1318.
- Fitzsimmons, J. R., Scott, J., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1997). Detecting cognitive activity: MRI system noise and physiologic fluctuations influence signal detection at 3 Tesla. *Society for Neuroscience Abstracts*, 23, 1060.
- Bradley, M. M., Fitzsimmons, J. R., Cuthbert, B. N., Scott, J., Moulder, B., & Lang, P. J. (1997). fMRI effects of emotional pictures in the visual cortex are not due to eye movements. *Society for Neuroscience Abstracts*, 23, 1318
- Bradley, M. M., Kolchakian, M., Cuthbert, B. N., & Lang, P. J. (1997). What's new? What's exciting? Novelty and emotion in perception. *Psychophysiology*, 34, S22.
- Hillman, C., Cuthbert, B. N., Cauraugh, J., Bradley, M. M., Schupp, H. T., & Lang, P. J. (1997). We're # 1": Sports fans and sports pictures. *Psychophysiology*, 34, S43.
- Schupp, H. T., Cuthbert, B. N., Bradley, M. M., McManis, M., Hillman, C., Cacioppo, J., & Lang, P. J. (1997). Quick pics: Emotional pictures and cortical ERPs. *Psychophysiology*, 34, S80
- McManis, M., Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (1997). Sugar and spice versus snails and puppy dog tails: Gender and temperament in children's emotional responding. *Psychophysiology*, 34, S63.

- Bradley, M. M. (1998). Assessing the heart's desire: Cardiac patterns in affective perception. *Psychophysiology*, 35, S21.
- Bradley, M. M., Axelrad, J., Codispoti, M., Cuthbert, B. N., & Lang, P. J. (1998). Film noir: Emotion in black and white. *Psychophysiology*, 35, S22.
- Codispoti, M., Bradley, M. M., Cuthbert, B. N., Montebanocci, O., & Lang, P. J. (1998). Stimulus complexity and affective contents: Startle reactivity over time. *Psychophysiology*, 35, S25.
- Lang, P. J., Bradley, M. M. & Cuthbert, B. N. (1998). The International Affective Picture System: Technical Report and affective ratings. The Center for Research in Psychophysiology, University of Florida, Gainesville, FL.
- Russmann, T., Bradley, M. M., & Lang, P. J. (1998). Sounds startling: Acoustic probes in acoustic foregrounds. *Psychophysiology*, 35, S69
- Sabatinelli, D., Bradley, M. M., Cuthbert, B. N., & Lang, P. J. (1998). For better or worse? Habituation or sensitization in phobic reactivity? *Psychophysiology*, 35, S70.
- Sanchez, M., Ramirez, I., Fernandez, M. C., Vila, J., Bradley, M. M., & Lang, P. J. (1998). Emotional modulation of cardiac defense in humans. *Psychophysiology*, 35, S70.
- Sanchez, M., Ramirez, I., Fernandez, M. C., Vila, J., Bradley, M. M., & Lang, P. J. (1998). Fear potentiation of cardiac defense in phobic subjects. *Psychophysiology*, 35, S70.
- Perlstein, W. M., Junghoefer, M., Russmann, T., May, J. C., Mills, C., Bradley, M. M., & Lang, P. J. (1999). Affective picture processing and working memory: A 128-channel ERP analysis. *Society for Neuroscience Abstracts*.
- Bradley, M. M., Lang, P. J., Fitzsimmons, J. R., Sabatinelli, D., King, W., Desai, P., Perlstein, W. M., & Cuthbert, B. N. (1999). fMRI of emotional perception: Content and Color. *Society for Neuroscience Abstract*.
- Codispoti, M., Mazzetti, M., Palomba, D., & Bradley, M. M. (1999). Stability of emotional perception. *Psychophysiology*, 36, S42.
- Hackley, S. A., Bradley, M. M., Valle-Inclan, & Thayer, J. (1999). Integrating peripheral and central psychophysiological measures. *Psychophysiology*, 36, S18.
- Junghoefer, M., Perlstein, W. M., Russmann, T., May, J. C., Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (1999). Arousal sensitive slow wave in high density EEG. *Psychophysiology*, 36, S64.
- King, W. M., Sabatinelli, D., Rao, M., Bradley, M. M., & Lang, P. J. (1999). Signal Detection in fMRI Data: A Comparison of Multitaper and Cross-Correlation Estimators. *Psychophysiology*, 36, S67.
- Lang, P. J. & Bradley, M. M. (1999). The defense cascade. *Psychophysiology*, 36, S3.
- Perlstein, W. M., Russmann, T., Junghoefer, M., May, J. C., Mills, C., Bradley, M. M., & Lang, P. J. (1999). Working memory and affective picture processing: A 128-channel ERP analysis. *Psychophysiology*, 36, S90.
- Sabatinelli, D., Bradley, M. M., King, W. M., Desai, P., Fitzsimmons, J. R., Cuthbert, B. N., & Lang, P. J. (1999). Functional activity in visual cortex: Pleasure and arousal. *Psychophysiology*, 36, S99
- Sloan, D. M., Strauss, C. C., Cuthbert, B. N., Sullivan, E. R., Bradley, M. M., & Lang, P. J. (1999). Facial EMG activity in co-morbid anxiety and depression. *Psychophysiology*, 36, S106.
- Vila, J., Carmen Fernandez, M., Ramirez, I., Bradley, M. M., & Lang, P. J. (1999). Differential habituation effects of affective pictures on cardiac defense and eyeblink startle. *Psychophysiology*, 36, S121.
- Verona, E., Patrick, C. J., Bradley, M. M., & Lang, P. J. (1999). Effects of foreground content and intensity on affective startle modulation. *Psychophysiology*, 36, S121.
- Bears, M. N., Bradley, M. M., Sloan, D. M., & Lang, P. J. (1999). Don't look! Affective responses during instructed meditation. *Psychophysiology*, 36, S31.
- Bradley, M. M., de Jongh, R., Kanov, J., & Lang, P. J. (1999). Reflex modulation during text processing: Emotion and context. *Psychophysiology*, 36, S36.
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- Bears, M., Bradley, M. M., & Lang, P. J. (2000). Affective modulation of the electrocutaneous startle reflex. *Psychophysiology*, *37*, S26.
- Bradley, M. M., Safi, F., & Lang, P. J. (2000). Startle modality and size: Is a big startler always a big startler? *Psychophysiology*, *37*, S29.
- Dimoulas, E., Bradley, M. M., Perlstein, W. M., & Lang, P. J. (2000). Individual differences in defensive activation? *Psychophysiology*, *37*, S36.
- Junghoefer, M., Bradley, M. M., & Lang, P. J. (2000). Rapid affective pictures: Visual evoked potentials in high-density EEG. *Psychophysiology*, *37*, S53.
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- Brown, L. M., Bradley, M. M., & Lang, P. J. (2001). Investigating ethnic differences in affective reactions to pictures. *Psychophysiology*, *38*, S29.
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- Smith, J. C., Scott, R. P., Bradley, M. M., & Lang, P. J. (2003, November). The reflex physiology of emotion: Effects of negative affect and physical activity history. Poster session presented at the 37th Association for the Advancement of Behavior Therapy Annual Convention, Boston, MA.
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- Guerra, P. M., Bradley, M. M., Van Diest, I., Vila, J., & Lang, P. J. (2005, September). Defensive reactions to natural human screams and aversive white noise. *Psychophysiology*, S60.
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- McTeague, L. M., Laplante, M. C., Perlman, G., Strauss, C. C., Cuthbert, B. N., Bradley, M. M., & Lang, P. J. (2005, September). Anxiety spectrum disorders: Discrete diagnosis or continuum of severity. *Psychophysiology*, S88.
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- Smith, J. C., Keil, A., Wangelin, B., Bradley, M. M., Sabatinelli, D., & Lang, P. J. (September, 2005). Single trial analysis of steady-state visual evoked potentials: Effects of emotional arousal. *Psychophysiology*, S116.
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- Versace, F., Bradley, M. M., Keil, A., Costa, V. D., Miccoli, L., & Lang, P. J. (2005, September). Remembering rapidly presented pictures: Conceptual and emotional features. *Psychophysiology*, S127.

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- Keil, A., Smith, C. J., Wangelin, B., Sabatinelli, D., Bradley, M. M., Lang, P. J. (2005, September). Source space analysis of single EEG epochs in the frequency domain: An application for steady-state potentials. Poster presentation at the 45th Annual meeting of the Society for Psychophysiological Research, Lisbon, Portugal.
- Costa, V. D., Bradley, M. M., & Lang, P. J. (2006). Evaluating the impact of EMG signal characteristics on affective startle modulation. *Psychophysiology*, S31.
- Costa, V. D., Bradley, M. M., Sivinski, R. G., & Lang, P. J. (2006). Viewing preferences for different emotional categories. *Psychophysiology*, S31.
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- Sabatinelli, D., Versace, F., Costa, V. D., Bradley, M. M., & Lang, P. J. (2006). Selective nucleus accumbens and medial frontal cortex activation in appetitive picture processing. *Psychophysiology*, S84.
- Smith, J. C., McTeague, L. M., Low, A., Laplante, M. C., Perlman, G., Bradley, M. M., & Lang, P. J. (2006). Processing rapidly presented affective pictures: Reflex physiology among anxiety disorder patients. *Psychophysiology*, S93.
- Versace, F., Bradley, M. M., & Lang, P. J. (2006). Recognition memory for emotional pictures presented at slow and fast rates. *Psychophysiology*, S7.
- McTeague, L. M., Lang, P. J., Laplante, M. C., Shumen, J. R., Cuthbert, B. N., & Bradley, M. M. (2006). Fearful imagery: Emotional reflexes, negative affect, and the anxiety disorder spectrum. Poster presentation at the 20th annual meeting of the Society for Research in Psychopathology.
- McTeague, L. M., Laplante, M. C., Shumen, J. R., Bradley, M. M., Cuthbert, B., & Lang, P. J. (2007). Psychophysiology of panic & agoraphobia: The influence of symptom severity on defensive reactivity. Poster presentation at the 21st annual meeting Iowa City, IA.
- Costa, V. D., Bradley, M. M., & Lang, P. J. (October, 2007). Pliant fear: Instructed reversal of anticipatory fear. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
- Ferrari, V., Bradley, M. M., Codispoti, M., & Lang, P. J. (October, 2007). Dissociating stimulus novelty and information value. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.

- Ferrari, V., Bradley, M. M., Codispoti, M., & Lang, P. J. (October, 2007). How picture repetition affects attention and emotion. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
- Goldman, D. J, Cuthbert, B. N., Bradley, M. M., Patrick, C. J., & Lang, P. J. (October, 2007). Emotional perception and imagery: A translational approach to internalizing disorders. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
- Keil, A., Sabatinelli, D., Bradley, M. M., & Lang, P. J. (October, 2007). Emotional stimuli in the visual periphery successfully compete for resources with a foveal high-load primary task. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
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- Versace, F., Bradley, M. M., & Lang, P. J. (October, 2007). Recognition memory for emotional and non emotional pictures. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
- Wangelin, B. C., Löw, A., McTeague, L. M., Sivinski, R., Bradley, M. M., & Lang, P. J. (October, 2007). Take your mind off It: Affective perception and distraction. Poster presentation at the 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia. Bradley, M.M. (2007, October). Startle and Defense. Paper presented in a symposium entitled The Defense Cascade. 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.
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- Li, R., Principe, J., Bradley, M.M., & Ferrari, V. (2007) Single-trial ERP estimation based on spatio-temporal filtering has been accepted for presentation at The 3rd International IEEE EMBS Conference on Neural Engineering, May, 2007, in Kohala Coast, Hawaii, USA.
- Bradley, M.M. (2007, October). Startle and Defense. Paper presented in a symposium entitled The Defense Cascade. 47th Annual meeting of the Society for Psychophysiological Research, Savannah, Georgia.