

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Tomarken, Andrew J.		POSITION TITLE Associate Professor	
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Harvard College, Cambridge, MA	AB	1977	Psychology & Social Relations
University of Rochester, NY	MS	1982	Clinical Psychology
University of Wisconsin, Madison, WI	PhD	1988	Clinical Psychology

**A. Positions and Honors**

**Positions and Employment**

- 1978 – 1979 NIMH Predoctoral Trainee, University of Rochester, Rochester, NY
- 1979 – 1981 NIMH Predoctoral Trainee, University of Wisconsin, Madison, WI
- 1981 – 1983 Research Assistant to Dr. Charles Cleeland, Department of Neurology, University of Wisconsin Medical School, Madison, WI
- 1983 – 1985 Research Assistant to Dr. Howard Leventhal, Department of Neurology, University of Wisconsin, Madison, WI
- 1986 – 1987 Predoctoral Intern with specialization in Neuropsychology, West Haven Veterans Administration Medical Center, West Haven, CT
- 1987 – 1988 Research Assistant to Dr. Richard Davidson, Department of Psychology, University of Wisconsin, Madison, WI
- 1988 – 1989 NRSA-NIMH Postdoctoral Fellow, Department of Psychology, University of Wisconsin, Madison, WI
- 1989 – 1993 Assistant Professor, Department of Psychology, Vanderbilt University, Nashville, TN
- 1994 – pres Associate Professor, Department of Psychology, Vanderbilt University, Nashville, TN  
Director of Clinical Training, Department of Psychology, Vanderbilt University, Nashville, TN
- 2001 – 2006 Director of Graduate Studies, Department of Psychology, Vanderbilt University, Nashville, TN
- 2006 – pres Chair, Department of Psychology, Vanderbilt University, Nashville, TN

**Honors**

- 1981 – 1982 Vilas Fellowship, University of Wisconsin, Madison, WI
- 1985 Honors, Preliminary Examination, Dept of Psychology, University of Wisconsin, Madison, WI
- 1985 Junior Fellowship, Conference of the International Society for Research on Emotion
- 1985 – 1986 Dean's Fellowship, University of Wisconsin, Madison, WI
- 1986 Elected to Sigma Xi (Graduate Research Society)
- 1998 – 1999 Associate Editor, *Psychophysiology*
- 2001 – pres Co-editor, special section of the *Journal of Abnormal Psychology* on structural equation modeling

## B. Selected peer-reviewed publications

- Kirschenbaum, D.S., Malett, S.D., Humphrey, L.L., & Tomarken, A.J. (1982). Specificity of planning and the maintenance of self-control: One year follow-up of a study improvement program. *Behavior Therapy, 13*, 232-240.
- Kirschenbaum, D.S., Ordman, A.M., Tomarken, A.J., & Holtzbauer, R. (1982). Effects of differential self-monitoring and level of mastery on sports performance: Brain power bowling. *Cognitive Therapy and Research, 6*, 335-342.
- Kirschenbaum, D.S., & Tomarken, A.J. (1982). On facing the generalization problem: The study of self-regulatory failure. In P.C. Kendall (Ed.), *Advances in cognitive behavioral research and therapy* vol. 1, (pp. 119-200). New York: Academic Press.
- Kirschenbaum, D.S., & Tomarken, A.J. (1982). Some antecedents of regulatory eating in restrained and unrestrained eaters. *Journal of Abnormal Psychology, 91*, 326-336.
- Kirschenbaum, D. S., Tomarken, A. J., & Ordman, A. M. (1982). Specificity of planning and choice applied to adult self-control. *Journal of Personality and Social Psychology, 41*, 576-585.
- Tomarken, A. J., & Kirschenbaum, D. S., (1982). Self-regulatory failure: Accentuate the positive? *Journal of Personality and Social Psychology, 43*, 584-597.
- Harris, E.S., Kirschenbaum, D.S., & Tomarken, A.J. (1984). Effects of parental involvement in behavioral weight loss therapy for preadolescents. *Behavior Therapy, 15*, 485-500.
- Tomarken, A. J., & Kirschenbaum, D. S. (1984). Effects of plans for future meals on counter-regulatory eating by restrained and unrestrained eaters. *Journal of Abnormal Psychology, 93*, 458-472.
- Kirschenbaum, D. S., Tomarken, A. J., & Humphrey, L. (1985). Affect and adult self-regulation. *Journal of Personality and Social Psychology, 48*, 509-523.
- Kirschenbaum, D.S., Stalonas, P.M., Zastowny, T.R., & Tomarken, A.J. (1985). Qualifications of the relative efficacy of behavioral treatment of adult obesity: Attentional controls and a two-year follow-up. *Behavior Research and Therapy, 23*, 675-82.
- Dar, R., Shacham, S., & Tomarken, A.J. (1986). Anxiety and pain as predictors of distress during a myelography procedure. *Journal of Pain and Symptom Management, 1*, 21-24.
- Leventhal, H., & Tomarken, A. J. (1986). Emotion: Today's problems. In M. R. Rosenzweig & L. W. Porter (Eds.), *Annual review of psychology* (pp. 565-610). Palo Alto, CA: Annual Reviews.
- Tomarken, A. J., & Serlin, R. C. (1986). Comparison of ANOVA alternatives under variance heterogeneity and specific noncentrality structures. *Psychological Bulletin, 99*, 90-99.
- Leventhal, H., & Tomarken, A. J. (1987). Life stress research: A social-psychological perspective. In S. V. Kasl & C. Cooper (Eds.), *Stress and health: Issues in research methodology* (pp. 27-55). London: Wiley & Sons.
- Tomarken, A. J., Davidson, R. J., Henriques, J. B., Saron, C. D., Straus, A., & Senulis, J. A. (1988). Resting anterior EEG asymmetry predicts affective responses to films. *Psychophysiology, 25*, 485.
- Davidson, R. J., & Tomarken, A. J. (1989). Laterality and emotion: An electrophysiological approach. In F. Boller & J. Grafman (Eds.), *Handbook of neuropsychology* (pp. 419-441). Amsterdam: Elsevier.
- Mineka, S., & Tomarken, A. J. (1989). The role of cognitive biases in the origins and maintenance of fear and anxiety disorders. In T. Archer & L-G Nilsson (Eds.), *Perspectives in aversively motivated behavior* (pp. 195-221). Hillsdale, NJ: Erlbaum.
- Tomarken, A. J., Mineka, S., & Cook, M. (1989). Fear-relevant selective associations and covariation bias. *Journal of Abnormal Psychology, 98*, 381-394.
- Tomarken, A. J., Davidson, R. J., & Henriques, J. B. (1990). Resting frontal brain asymmetry predicts affective responses to films. *Journal of Personality and Social Psychology, 59*, 791-801.
- Kang, D-H., Davidson, R. J., Coe, C. L., Wheeler, R. E., Tomarken, A. J., & Ershler, W. B. (1991). Frontal brain asymmetry and immune function. *Behavioral Neuroscience, 105*, 860-869.
- Tomarken, A. J., & Hollon, S. D. (1991). Disorders of emotion: Questions about clarity and integration. *Psychological Inquiry, 2*, 94-96.

- Tomarken, A. J., Davidson, R. J., Wheeler, R. E., & Doss, R. C. (1992). Individual differences in anterior brain asymmetry and fundamental dimensions of emotion. *Journal of Personality and Social Psychology*, *62*, 676-687.
- Tomarken, A. J., Davidson, R. J., Wheeler, R. E., & Kinney, L. (1992). Psychometric properties of resting anterior EEG asymmetry: Temporal stability and internal consistency. *Psychophysiology*, *29*, 576-592.
- Kurtz, J.E., Morey, L.C., & Tomarken, A.J. (1993). The concurrent validity of three self-report measures of borderline personality. *Journal of Psychopathology and Behavioral Assessment*, *30*, 82-89.
- Wheeler, R. E., Davidson, R. J., & Tomarken, A. J. (1993). Frontal brain asymmetry and emotional reactivity: A biological substrate of affective style. *Psychophysiology*, *30*, 82-89.
- Tomarken, A. J., & Davidson, R. J. (1994). Frontal brain activation in repressors and nonrepressors. *Journal of Abnormal Psychology*, *103*, 339-349.
- Tomarken, A.J., (1995). A psychometric perspective on psychophysiological measures. *Psychological Assessment*, *7*, 387-395.
- Tomarken, A. J. (1995). What is the critical evidence favoring expectancy bias theory and where is it? *Behavioral and Brain Sciences*, *18*, 313-314.
- Tomarken, A. J., Sutton, S. K., & Mineka, S. (1995). Fear-relevant illusory correlations: What types of associations promote judgmental bias? *Journal of Abnormal Psychology*, *104*, 312-326.
- Brown, L. L., Tomarken, A. J., Orth, D. N., Loosen, P. T., Kalin, N. H., & Davidson, R. J. (1996). Individual differences in repressive-defensiveness predict basal salivary cortisol levels. *Journal of Personality and Social Psychology*, *70*, 362-371.
- Tomarken, A.J., & Keener, A.M. (1998). Frontal brain asymmetry and depression: A self-regulatory perspective. *Cognition and Emotion*, *12*, 387-420.
- Tomarken, A. J. (1999). Methodological issues in psychophysiological research. In P. C. Kendall, J. N., Butcher, & N. H. Holmbeck (Eds.), *Handbook of research methods in clinical psychology* (pp. 251-275). New York: John Wiley & Sons.
- Tomarken, A. J., Dichter, G. S., & Pendergrass, J. C. (1999). The assessment of emotion. In D. Levinson, J. Ponzetti, & P. Jorgenson (Eds.), *Encyclopedia of human emotions* (Vol. 2) (pp. 545-551). New York: MacMillan.
- Davidson, R. J., Marshall, J. R., Tomarken, A. J., & Henriques, J. B. (2000). While a phobic waits: Regional brain electrical and autonomic activity in social phobics during anticipation of public speaking. *Biological Psychiatry*, *47*, 85-95.
- Orth, D. N., Shelton, R. C., Nicholson, W. E., Beck-Peccoz, P., Tomarken, A. J., Persani, L., & Loosen, P. T. (2001). Serum thyrotrophin concentrations and bioactivity during sleep deprivation in depression. *Archives of General Psychiatry*, *58*, 77-83.
- Shelton, R.C., & Tomarken, A.J. (2001). A conceptual framework for achieving full recovery in depression. *Psychiatric Services*, *52*, 1469-1478.
- Keener, A. D., & Tomarken, A. J. (2001). Task-dependent changes in frontal brain asymmetry: Effects of incentive cues, outcome expectancies, and motor responses. *Psychophysiology*, *38*, 500-511.
- Shelton, R. C., & Tomarken, A. J. (2001). Can recovery from depression be achieved? *Psychiatric Services*, *52*, 1469-1478.
- Dichter, G.S., Tomarken, A.J., & Baucom, B.R. (2002). Startle modulation before, during and after exposure to emotional stimuli. *International Journal of Psychophysiology*, *43*, 191-196.
- Tomarken, A.J. & Baker, T.B. (2003). Introduction to the special section on structural equation modeling. *Journal of Abnormal Psychology*, *112*, 523-525.
- Tomarken, A.J., & Waller, N.G. (2003). Potential problems with "well fitting" models. *Journal of Abnormal Psychology*, *112*, 578-598.
- Dichter, G.S., Tomarken, A.J., Shelton, R.C., & Sutton, S.K. (2004). Early- and late-onset startle modulation in unipolar depression. *Psychophysiology*, *41*, 443-440.
- Tomarken, A.J., Dichter, G.S., Freid, C., Addington, S., & Shelton, R.C. (2004). Assessing the effects of bupropion SR on mood dimensions of depression. *Journal of Affective Disorders*, *78*, 235-241.

- Tomarken, A.J., Dichter, G.S., Garber, J., & Simien, C. (2004). Resting frontal brain activity: Linkages to maternal depression and socioeconomic status among adolescents. *Biological Psychology*, 67, 77-102.
- Dichter, G.S., Tomarken, A.J., Freid, C.M., Addington, S., & Shelton, R.C. (2005). Do Venlafaxine XR and Paroxetine equally Influence negative and positive affect? *Journal of Affective Disorders*, 85, 333-339.
- Tomarken, A.J., & Waller, N.G. (2005). Structural equation modeling: Strengths, limitations, and misconceptions. *Annual Review of Clinical Psychology*. 1, 31-65.
- Harrison, F.E., Reiserer, R.S., Tomarken, A.J., & McDonald, M.P. (2006). Spatial and non-spatial escape strategies in the Barnes Maze. *Learning and Memory*, 13, 809-819.
- Tomarken, A.J., Shelton, R.C., & Hollon, S.D. (2007). Affective science as a framework for understanding the mechanisms and effects of antidepressant medications. In J. Rottenberg & S.L. Johnson (Eds.), *Emotion and psychopathology: Bridging affective and clinical science*. Washington DC: American Psychological Society.
- Dichter, G.S., & Tomarken, A.J. (2008). The chronometry of affective startle modulation in unipolar depression. *Journal of Abnormal Psychology*, 117, 1-15.

## C. Research Support

### Ongoing Research Support

R01 MH60713 Hollon (PI) 04/01/07 - 03/31/12  
NIH/NIMH

*Prevention of Recurrence in Depression With Drugs and CT*

The goal of this multi-site study is to examine whether adding cognitive therapy enhances the efficacy of medication treatment and prevents recurrence among recovered patients.

Role: Co-Investigator/Project statistician

P30 HD015052 Dykens (PI) 07/01/04 – 06/30/09  
NIH/NICHD

*John F. Kennedy Center for Mental Retardation*

The major goal of this project is to provide core support for the Vanderbilt Kennedy Center.

Role: Consultant, Statistical and Methodological Services Core C