

Calendar Year: 2015

CURRICULUM VITAE OF DAVID G. GILBERT**I. PROFESSIONAL AFFILIATION AND CONTACT INFORMATION**

A. Date and Place of Birth: October 12, 1947, Palo Alto, California

B. Present Home Address: 89 Poplar Lake Road, Makanda, IL 62958

C. Present University Department or Unit: Department of Psychology,
Southern Illinois University-Carbondale**II. EDUCATION**

B.S.	1970	University of Washington, Seattle, Washington
M.A.	1973	Florida State University, Tallahassee, Florida
Ph.D.	1978	Florida State University, Tallahassee, Florida

III. PROFESSIONAL EXPERIENCE

3/74 - 3/75	Intern, Lenwood Veterans Administration Hospital and Medical College of Georgia, Augusta, Georgia
12/75 - 9/78	Clinical Psychologist, Florida State Hospital, Chattahoochee, Florida
10/78 - 6/80	Director, Adult Outpatient Services, North Central Florida Community Mental Health Center, Gainesville, Florida
6/80 - 8/85	Senior Behavioral Scientist, Biobehavioral Research Group, RJR-Nabisco, Winston-Salem, North Carolina
8/85 - 8/90	Assistant Professor, Department of Psychology, Southern Illinois University at Carbondale
8/90 - 8/98	Associate Professor, Department of Psychology, Southern Illinois University at Carbondale
8/98 -Present	Professor, Department of Psychology, Southern Illinois University at Carbondale

IV. RESEARCH AND CREATIVE ACTIVITY**A. Interests and Specialties:**

1. Integrative biopsychosocial models of temperament, drug use, cognition, affect, genes, and behavior
2. Mechanisms contributing to drug dependence
3. Psychophysiology and brain imaging
4. Effects of nicotine, nicotine replacement therapy and antidepressant medications on attentional bias to emotionally negative and positive stimuli.
5. Effects of nicotine, antidepressants, and THC on bioinformation processing, smoking schema activation, learning, and memory of negatively and positively valenced stimuli.
6. Electro cortical correlates of induced moods and craving induction

B. Honors and Awards:

Southern Illinois University, College of Liberal Arts Scholar of the Year Award
2005-2006

Sigma Xi Kaplan Award for SIUC faculty member with an outstanding research
record 2010

C. PAPERS AND PRESENTATIONS AT PROFESSIONAL MEETINGS:

Gilbert, D. G., Hermecz, D. A., & Davis, H. C. (1982). Heart rate and electrodermal responses during marital communications as a function of message and personality. Poster presented at the 1982 Meeting of the Society for Psychophysiological Research.

Gilbert, D. G. (1985, March). Nicotine's effects on lateralized EEG and emotion. Paper presented at the Sixth Annual Meeting of the Society of Behavioral Medicine.

Landrum, T. A., Gilbert, D. G., Jensen, R. A. (1987). A dose-response curve for nicotine-induced flavor aversion learning. Poster presented at the Society for Neuroscience.

Gilbert, D. G. & McArthur, S. (1988, October). Heart rate responses to quantified doses of nicotine as a function of anger expression, Type A behavior, and nicotine tolerance. Poster presented at the 1988 Meeting of the Society for Psychophysiological Research.

Gilbert, D. G., Meliska, C. J., & Jensen, R. A. (1989, October). Subjective correlates of smoking-induced elevations of -endorphin and cortisol. Paper presented at the 1989 Meeting of the Society for Psychophysiological Research.

O'Donnell, K. B., & Gilbert, D. G. (1989, March). Effects of a quantified dose of nicotine on cardiovascular responses in individuals with and without a parental history of hypertension. Poster presented at the 1989 Meeting of the Midwestern Psychological Association.

Masson, C. L., & Gilbert, D. G. (1989, August). Cardiovascular responses to a quantified dose of nicotine as a function of personality and nicotine tolerance. Poster presented at the 1989 Meeting of the American Psychological Association.

- Gilbert, D. G. (1990, October). The role of quantified smoke delivery systems in the assessment of physiological and subjective effects. Paper Presented at the annual meeting of the Society for Psychophysiological Research.
- Gilbert, D. G. (1990, December). Subjective, electrocortical, and hormonal correlates of quantified doses of nicotine. Paper presented at the 1990 RJR Nicotine Research Conference.
- Cowden, D. I., Gilbert, D. G., Jensen, R. A., Meliska, C. J., Stunkard, M. E., & Martinko, J. M. (1991, May). The effect of blood storage on killer cell cytotoxicity and mitogen-induced proliferation. Poster presented at the annual meeting of the International Society of Immunopharmacology, Tampa, FL.
- Meliska, C. J., & Gilbert, D. G. (1991, November). Fagerstrom Tolerance Questionnaire (FTQ) Score, plasma cotinine, caffeine and smoking-induced mood changes. Poster presented at the 1991 Meeting of Society for Neuroscience.
- Gilbert, D. G., Meliska, C. J., Welser, R., Scott, S., Jensen, R. A., & Meliska, J. (1992, March). Individual differences in the effects of smoking cessation on EEG, mood and vigilance. Paper presented at the 1992 meeting of the Society of Behavioral Medicine.
- Gilbert, D. G., Meliska, C. J., Estes, S. L., & Welser, R. L. (1993, March). Depression, personality, and gender differences in EEG, hormonal, and subjective responses to smoking. Poster presented at the 1993 meeting of the Society of Behavioral Medicine, New York, NY.
- Gilbert, D. G. (1994, September). Why people smoke: Stress-reduction, coping enhancement, and nicotine. Paper presented at the 48th Meeting of the Tobacco Chemists Research Conference.
- Gilbert, D. G., Gehlbach, B., Estes, S. L., Rabinovich, N., & Detwiler, F.R.J. (1994, October). Effects of smoking deprivation and a quantified dose of tobacco smoke on EEG power and lateralization as a function of depression and habitual nicotine intake. Poster presented at the 1994 Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
- Thomsen, D. G., & Gilbert, D. G. (1994, October). Testing a biosocial model of marital communication and conflict resolution: Heart rate and electrodermal correlates of communication, affect, marital satisfaction and personality. Poster presented at the 1994 Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.

- Gilbert, D. G., Detwiler, F. R. J., Corcoran, K. J., Dollinger, S. J., & Sly, K. F. (1995, March). Expected smoking withdrawal symptoms produce five factors--But rankings, gender and personality add to the story. Poster presented at the 16th annual meeting of the Society of Behavioral Medicine, San Diego, CA.
- Gilbert, D. G., Estes, S. L., Meliska, C. J., & Welser, R. (1995, March). Noise-stress-dependent effects of smoking/nicotine on EEG, Beta-endorphin, cortisol, heart rate, mood and vigilance: Support for the STAR model of smoking. Poster presented at the 16th annual meeting of the Society of Behavioral Medicine, San Diego, CA.
- Gilbert, D. G., Plath, L. C., Hiyane, S. G., Masson, C. L., Dibb, W. D., & McClernon, F. J. (1995, October). Effects of nicotine and caffeine, separately and in combination on cortisol, mood, vigilance, and EEG. Poster presented at the 35th annual meeting of the Society for Psychophysiological Research, Toronto, Ontario.
- Gilbert, D. G. (1995, October). The Situation X Trait Adaptive Response (STAR) model of nicotine s effects on physiological, emotional, and information processing states. Paper presented as a part of the symposium, Psychophysiological Studies of Addiction: Precursors and Concomitants. Presented at the 35th annual meeting of the Society for Psychophysiological Research, Toronto, Ontario.
- Gilbert, D. G. (1995, November). Depression, Smoking, and Nicotine. Paper presented at the 1st Annual Duke Nicotine Research Conference, Durham, NC.
- Gilbert, D. G., Rabinovich, N. E., Plath, L. C., Skerly, A. J., & McClernon, F. J. (1996, March). Mood response to 31 days of cigarette abstinence: Effects of depression, neuroticism, and oral contraceptive use. Poster presented at the Society for Research on Nicotine and Tobacco Second Annual Conference, Washington, DC.
- Gilbert, D. G., Russell, A. M., Welser, R., & Skerly, A. J. (1996, March). Effects of nicotine on bioinformation processing, event-related potentials and word associations to emotionally valenced word stimuli. Poster presented at the Society for Research on Nicotine and Tobacco Second Annual Conference, Washington, DC.
- Labott, S., Gilbert, D. G., & Plath, L.C. (1996, May). The effects of smoking cessation, oral contraceptive use, and menstrual cycle phase upon immunity. Poster presented at the Midwestern Psychological Association, Chicago.

- Masson, C. M. & Gilbert, D. G. (1996, June). Cardiovascular and mood responses to a quantified dose of nicotine in oral contraceptive users and non-users. Paper presented at the 58th Annual Scientific Meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico.
- Gilbert, D. G. (1996, June). The situation x trait adaptive response (STAR) model of substance use and craving. Invited paper presented at Addiction and Behaviour II--Milford Symposium VI, The Royal Society, London, England.
- Gilbert, D. G. (1996, October). Effects of tobacco abstinence on frontal theta and other EEG spectral components during a visual vigilance task. Poster presented at the Society for Psychophysiological Research Annual meeting, Vancouver, Canada.
- Gilbert, D. G. (1996, November). Interpreting performance and mood differences in smokers and between smokers and non-smokers. Paper presented at the International Symposium on Nicotine and Human Performance, Washington, DC.
- Gilbert, D. G. (1996, November). Frontal midline theta: A new EEG measure of nicotine s effects on attention. Paper presented at the International Symposium on Nicotine and Human Performance. Washington, DC.
- Gilbert, D. G. (1997, June). Effects of Quitting Smoking on Mood: Is There a Skeleton in Our Methodological Closet? In J. Le Houezec (Chair), Understanding Nicotine s Behavioral Effects: Cognition, Emotion, and Psychopathology. Symposium conducted at the Third Annual Conference of the Society for Research on Nicotine, Nashville, TN.
- McClernon, F. J., Skerly, A., Gilbert, D. G., & Wesler, R. (1997, June). The effects of nicotine on verbal associates to affectively valenced word stimuli. Poster session presented at the Society for Research on Nicotine and Tobacco Third Annual Conference. Nashville, TN.
- Gilbert, D. G., McClernon, F. J., & Dibb, W. D. (1997, August). Smoking influences response inhibition and detection of lateralized stimuli. Poster presented at the annual convention of the American Psychological Association. Chicago, IL.
- Sharpe, J. P., Gilbert, D. G., Ramanaiah, N. V., Detwiler, F. R. J., Anderson, A. E. (1997, August). Development of a questionnaire assessing conscious components of smoking motivation. Poster presented at the annual convention of the American Psychological Association, Chicago, IL.
- Hill, S., & Gilbert, D. G. (1997, August). Attribution-making within a distancer-pursuer dynamic. Poster presented at the annual convention of the American Psychological Association, Chicago, IL.
- Gilbert, D. G., McClernon, F. J., Labott, S. M., & Sarkari, S. (1997, October).

Effects of personalized emotional activation on laterality and anterior-posterior balance of EEG activity. Poster presented at the annual meeting of the Society for Psychophysiological Research. Cape Cod, MA.

Gilbert, D. G. (1997, October). Smoking, Individual Differences and Emotion. Invited paper presented at the Third Annual Duke Nicotine Research Conference, Durham, NC.

Sharpe, J. P. & Gilbert, D. G. (1997, October). Testing effects with state and trait measures of moods and personality: What are the implications for personality stability research? Poster presented at the Conference on Temperament and Personality across the Life Span, Southern Illinois University, Carbondale, IL.

Sharpe, J. P., Gilbert, D. G., Doll, Matt. (1998, May). Personality Profiles of Cigarette Smokers and Non-smokers. Poster presented at the Midwestern Psychological Association, Chicago, IL.

Gilbert, D. G. (1998, October). Smoking, Individual Differences and Emotion. Invited paper presented at the Fourth Annual Duke Nicotine Research Conference, Durham, NC.

McClernon, F. J., & Gilbert, D. G. (1999, February). Implications of the RME: Findings from Longitudinal Smoking Cessation Trials. Paper presented the Third Applied Psychology Conference, Carbondale, IL.

Gilbert, D. G. (1999, March). Mood, EEG, and Physiology Fail to Recover Across 31 Days of Smoking Abstinence: Relations to Depressive Traits, Nicotine Exposure, and Dependence. Paper presented the Fifth Annual Conference of the Society for Research on Nicotine and Tobacco, San Diego, CA.

McClernon, F. J., Gilbert, D. G., & Radtke, R. (1999, March). Memory Interference and Distraction Effects as a Function of Nicotine Dose and Smoker Status. Paper presented the Fifth Annual Conference of the Society for Research on Nicotine and Tobacco, San Diego, CA.

Gilbert, D. G. (1999, October). Nicotinic Effects on Mood and Performance: Relations to Depressive Traits and Genetic Polymorphisms of the Dopamine D2 Receptor. Invited paper presented at the Fifth Annual Duke Nicotine Research Conference, Durham, NC.

Gilbert, D. G., & McClernon, F. J., (2000, October). P300 Attenuation Fails to Recover After 31 Days of Tobacco Abstinence. Poster presented at the 40th Annual Meeting of the Society for Psychophysiological Research. San Diego, CA.

McClernon, F. J., & Gilbert, D. G. (2000, October). Relationships Between EEG Power Spectrum and the Five-Factor Model of Personality. Poster presented at the 40th Annual Meeting of the Society for Society for Psychophysiological, San Diego, CA.

- Gilbert, D. G. (2000, October). New, Theory-Driven Tasks to Characterize the Effects of Nicotine on Attention and Affect. Invited paper presented at the Sixth Annual Duke Nicotine Research Conference, Durham, NC.
- Gilbert, D. G. (2001, March). Effects of Smoking, Nicotine, and Quitting on Cognition and Affect: New Findings and Methodological Critique. Paper presented as part of the Symposium, Smoking, Nicotine, and Negative Affect: The Search For Associations and Mechanisms, J. Kassel, Chair, Seventh Annual Meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA.
- Gilbert, D. G., McClernon, F. J., & Rabinovich, N. E. (2001, March). A Replication Study in Women Showing a Failure of EEG and Cognitive Slowing to Recover After 31 Days of Smoking Abstinence: Influences of Dependence, Trait Depression, and Personality. Poster presented the Seventh Annual Meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA.
- McClernon, F. J., & Gilbert, D. G. (2001, March). Predictors of Post-Cessation Weight Gain in a Sample of Female Smokers. Poster presented the Seventh Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Seattle, WA.
- Gilbert, D. G. (2001, July). Genetic and Other Variables in the Individual Responsiveness of Smokers to Nicotine. Paper presented the as part of the symposium, Individual variability to the pharmacological effects of nicotine and smoking behavior, P. Netter & J. Rosecrans, at the Tenth Biennial Meeting of the International Society for the Study of Individual Differences. Edinburgh, Scotland.
- Gilbert, D. G., (2001, November). Effects of Nicotine on Localized and Lateralized Electro cortical Activity: Modulation by Task and Individual Differences. Paper presented at the Seventh Annual Duke Nicotine Research Conference, Durham, NC.
- Levine, D. S., Nilendu, J., & Gilbert, D. G., (2001, November). Neural Network Modeling of Effects of Nicotine on Continuous Performance Task. Poster presented at the Seventh Annual Duke Nicotine Research Conference, Durham, NC.
- Gilbert, D. G., Browning, R., Shaw, T. M., Rabinovich, N. E., Gilbert-Johnson, A. M., & Zuo, Y. (2002, February). Platelet Monoamine Oxidase B Activity Changes Associated with Changes in Nicotine, "Tar", and Time Since Quitting Smoking. Poster presented at the Eighth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Savannah, GA.

- Gilbert, D. G., Hammersley, J., Izetelny, A., Radtke, R., Huggenvik, J., Markus, T., Small, S., Stout, V., Rabinovich, N. E., & Skerly, A. (2002, February). Effects of Nicotine on Attention & Affect: Modulation by Task, Personality, & DRD2 Alleles. Poster presented at the Eighth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Savannah, GA.
- Gilbert, D. G., McClernon, F. J., Huggenvik, J., Rabinovich, N. E., Botros, N., Asgaard, G., & Zuo, Y. (2002, February). Dopamine Receptor DRD2 A1 Allele Genotype Experiences Greater EEG Slowing Across 31 Days of Smoking Abstinence. Poster presented at the Eighth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Savannah, GA.
- Gilbert, D. G., Izetelny, A., Heaslett, H., Skerly, A., & Rabinovich, N. E. (2002, October). Nicotine Biases Eye-Gaze Away from Negative and Toward Positive Pictures: Implications for Affect Regulation. Poster presented at the Fourth European Conference of the Society for Research on Nicotine and Tobacco, Santander, Spain.
- Gilbert, D. G., Rabinovich, N. E., & Rosenberger, S. (2003). Effects of Fast and Slow Blood-Rise Nicotine Patches on Nausea and Feeling States in Nonsmokers. Poster presented at the Ninth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
- Gilbert, D. G., (2003, November). Smoking: Self-Medication for Attentional and Affective States and Traits. Paper presented at the Seventh Annual Duke Nicotine Research Conference, Durham, N. C.
- Gilbert, D. G., Hammersley, J., Rabinovich, N. E., Izetelny, A. & Small, S. (2004). Attentional Bias to smoking cues is greater in smokers than in never-smokers. Poster presented at the 16th convention of the American Psychological Society, Chicago, IL.
- Gilbert, D. G., Izetelny, A., Rabinovich, N. E., DevlesHoward, M., Riise, H., Izetelny, M.A., Jonathan Hammersley, M.A., and Amy Skerly. (2004). Nicotine Patch Reduces Eye-Gaze Bias to Smoking Pictures: Implications for Craving. Poster presented at the Tenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.
- Gilbert, D. G., Rabinovich, N. E., Sugai, C., Huggenvik, J. I., & McClernon, F. J. (2004). Affective, Cognitive, and EEG Consequences of Nicotine Patch Across 45 Days of Smoking Abstinence: Influences of DRD2 Genotype and Depressive Traits. Paper presented at the Tenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.
- Gilbert, D. G., Rabinovich, N. E., Sugai, C., Huggenvik, J. I., & McClernon, F. J. (2004). Affective, Cognitive, and EEG Consequences of Nicotine Patch Across 45 Days of Smoking Abstinence: Influences of DRD2 Genotype

and Depressive Traits. Paper presented at the Tenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.

Gilbert, D. G., Sugai, C., Rabinovich, N. E., & Froeliger, B.A. (2005). Mechanisms of Nicotine Reward: A Lateralized Neural Network Attentional Bias Model. Paper presented at the Eleventh Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.

Gilbert, D. G., Sugai, C., Zuo, Y., Rabinovich, N. E., & McClernon, F. J. (2005). Effects of Nicotine on Distraction by Smoking and Emotional Pictures During a Rapid Visual Information Processing Task: A Cortical Evoked Potential (P300) Study. Poster presented at the Eleventh Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.

Riise, H., Rabinovich, N.E., & Gilbert, D. G. (2005, March). *Effects of Nicotine on Weight and Eating Behaviors in Smokers*. Poster session at the 10th Annual Meeting of the Society for Research on Nicotine and Tobacco. Prague, Czech Republic.

Riise, H., Adams, L., Rabinovich, N.E., & Gilbert, D. G. (2005, April). *Effects of Trait Anxiety, Gender, and Nicotine Replacement on Weight Gain in Smokers after Quitting*. Poster session at the 26th Annual Meeting of the Society for Behavioral Medicine. Washington, D.C.

Sugai, C., Zuo, Y., Foreliger, B., Rabinovich, N. E., & Gilbert, D. G. (2005). *Nicotine enhances CNV amplitude during the Rapid Visual Information Processing (RVIP) task*. Poster Presented at the Society for Neuroscience Annual Meeting, Washington, DC.

Cappelleri, J. C., Bushmakin, A. G., Baker, C. L., Merikle, E., Olufade, A., Gilbert, D. G., (2005, May). *Confirmatory Factor Analysis and Reliability of the "Smoking Effects Inventory"*. International Society for Pharmacoeconomics and Outcomes Research. Washington, DC.

Cappelleri, J. C., Bushmakin, A. G., Baker, C. L., Merikle, E., Olufade, A., Gilbert, D. G., (2005, May). *Confirmatory Validation of the Brief Questionnaire of Smoking Urges*. International Society for Pharmacoeconomics and Outcomes Research. Washington, DC.

Gilbert, D. G., Rabinovich, N. E., Skerley, A., Zuo, Y., Malpass, D., Riise, H., & Huggenvik, J. I. (2006, February). *Effects of Nicotine vs. Placebo Patch on Anger and Hostility Across 44 days of Abstinence: Moderation by DRD2 A1 Allele*. Poster presented at the Twelfth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Orlando, FL.

Gilbert, D. G. (2006, February). Invited Grant Workshop speaker. Presented at the Twelfth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Orlando, FL.

- Gilbert, D. G., Froeliger, B., Sugai, C., Wright, J., & Parker, A. (2006, October). Brain Correlates of Attention for Emotional Words: An Oddball Paradigm. Poster presented at the Twelfth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- Espy, K. A., Sagrestano, L., Stewart, P., Huggenvik, J., Bik, T., Gilbert, D. G., & Wiebe, S.. (2006, October). The Influence of Prenatal Tobacco Exposure on Neonatal Stress reactivity, Soothability, and Attention: Behavioral Effects and Gene by Environment Interactions. Paper presented at the Twelfth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- Gilbert, D. G., (2006, October). *Genetic & Phenotypic Predictors of Mood & Brain Responses to Smoking Abstinence: Findings and Treatment Implications*. Invited paper presented to the Mid-American Association for Behavior Analysis. Carbondale, IL
- Gilbert, D. G. (2006, October). The Effects of Nicotine, Abstinence, and Drug Cues on Attention. Symposium Discussant, 46th Annual Meeting of the Society for Psychophysiological Research, Vancouver, BC.
- Gilbert, D. G., (2006, November). *Genetic & Phenotypic Predictors of Mood & Brain Responses to Smoking Abstinence*. Invited paper presented at the Tenth Annual Duke Nicotine Research Conference, Durham, N. C.
- Adams, L. J., & Gilbert, D. G. (2006, November). The Relationship between Smoking Status and Strategies to Control Thoughts. Poster presented at the Annual Meeting of the Association for Behavior and Cognitive Therapies, Chicago, IL.
- Gilbert, D. G., Parker, A. B., Sugai, C., Stevens, J. R., Wright, J., & Froeliger, B. (2007, March). *Effects of Nicotine on Brain Activity in Anticipation of Emotionally Positive versus Negative Pictures*. Poster presented at the Thirteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Austin, TX.
- Gilbert, D. G., Parker, A. B., Sugai, C., Stevens, J. R., Wright, J., & Froeliger, B., Kanak, J., & Kreke, E. (2007, March). *Does Nicotine Enhance Processing of Positive and Neutral Stimuli and Thereby Reduce Negative Affect? An EEG Study*. Poster presented at the Thirteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Austin, TX.
- Asgaard, G., Gilbert, D. G., Rabinovich, N. E., Malpass, D., Dillon, A., & Sugai, C. (2007, March). Modulation of Affective Priming by Nicotine. Poster presented at the Thirteenth Annual Scientific Sessions of The Society for Research on Nicotine and Tobacco, Austin, TX.

- Parker, A. G., & Gilbert, D. G. (2007, March). *Brain Activity During Anticipation of Smoking-Related and Emotionally Positive Pictures in Smokers and Non-Smokers*. Poster presented at the Thirteenth Annual Scientific Sessions of The Society for Research on Nicotine and Tobacco, Austin, TX.
- Gilbert, D. G., Zuo, Y., Rabinovich, N. E., Needham, R., Huggenvik, J. I. (2007, March). *The Short End of the Serotonin Transporter Stick Strikes Again: Effects of SERT Genotype on Smoking Abstinence Symptoms*. Paper presented at the Thirteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Austin, TX.
- Gilbert, D. G., Riise, H., Dillon, A., Huber, J., Rabinovich, N. E., & Sugai, C. (2007, March). *Emotional Pictures and Neuroticism Moderate Effects of Nicotine on Affect and Attentional Bias (Eye-Gaze)*. Poster presented at the Thirteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Austin, TX.
- Froeliger, B., Gilbert, D.G., Dillon, A., Vanderpool, C., & Asgaard, G. (2007, May). *Patching of Cognitive Deficits: Nicotine Patch Enhances Novelty Detection and Long-Term Memory in Abstinent Habitual Smokers*. Poster presented at the meeting of The Cognitive Neuroscience Society, New York, NY.
- Carlson, J. M., Gilbert, D. G., Riise, H., Huber, J., Rabinovich, N. E., Froeliger, B. & Chihiro, S. (2008, February). *Spatial Working Memory: Who Benefits from Nicotine Replacement Therapy?* Fourteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Portland, OR.
- Diggs, H. A., & Gilbert, D. G. (2008, February). *Effects of Nicotine Patch on Distraction by Emotional and Smoking-Related Stimuli During a Flanker Task*. Fourteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Portland, OR.
- Gilbert, D. G., Carlson, J. M., Riise, H., Huber, J., Rabinovich, N. E., Chihiro, S. & Froeliger, B. (2008, February). *Nicotine's Effects on Affective Priming of Lateralized Emotional Word Identification*. Fourteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Portland, OR.
- Rzetelny, A., Hammersley, J., Gilbert, D. G., Rabinovich, N. E., & Small, S. (2008, February). *Nicotine Influences Affective and Smoking-Related Picture Distraction in Smokers and Never-Smokers*. Paper presented at the Fourteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Portland, OR.
- Martens, K. & Gilbert, D. G. (2008, May). *Cannabis and Tobacco Smoking Expectancies in Dual Users and Tobacco-Only Smokers*. Poster presented at the APS Annual Convention. Chicago, IL.

- Gilbert, D. G. (2009, June). New methods and Insights: Characterizing tobacco withdrawal and relapse vulnerability. Paper presented as part of the Symposium, Drug Withdrawal, Reinforcing Effects, and Vulnerability to Relapse: New Methods and Insights. The College for Problems on Drug Dependence, Reno, NV.
- Picchietti, M., & Gilbert, D. G. (2009, March). Nicotine Modulates Frontal, Temporal, and Parahippocampal Brain Activation in Smokers and Nonsmokers with ADHD During a Go/No-Go Task. Fifteenth Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, Dublin, Ireland.
- Gilbert, D. G., Sugai, C., Murali, S., Kreke, E., & Rabinovich, N. E. (2009, October). Differential and Similar Effects of Nicotine and Bupropion on Brain Reactivity to Smoking-Related and Emotional Pictures, Paper presented as part of Symposium on ERPs. At the 49th Annual Meeting of the Society for Psychological Research, Berlin, Germany.
- Gilbert, D. G., Sugai, C., Murali, S., & Kreke, E. (2009, October). Effects of Nicotine and Bupropion on P3-Indexed distraction by affective and smoking-related pictures. Poster presented at the 49th Annual Meeting of the Society for Psychological Research, Berlin, Germany.
- Picchietti, M. A., Gilbert, D. G., & Phillipotts, M. (2010, February). Asymptotically practiced nonsmokers and light smokers benefit from nicotine after 20 minutes of a 60 minute rapid processing and vigilance tasks. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
- Picchietti, M. A., & Gilbert, D. G. (2010, February). Nicotine reduces impulsivity and differentially influences post-error slowing in smokers and nonsmokers with ADHD. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
- Diggs, H., Sugai, C., Wright, J., Giritharan, A., Perschler, P., Carlson, J., Habib, R., Gilbert, D. (2010, September). fMRI cue reactivity in smokers. Poster accepted for presentation at the Society for Psychophysiological Research Annual Meeting in Portland, OR.
- Diggs, H., Sugai, C., Wright, J., Giritharan, A., Perschler, P., Carlson, J., Habib, R., Gilbert, D. (2010, September). Differential fMRI response between smokers and nonsmokers to emotionally valent images. Poster accepted for presentation at the Society for Psychophysiological Research Annual Meeting in Portland, OR.
- Picchietti, M. A., & Gilbert, D. G. (2010, October). Nicotine modulates frontal and central affective processing activation in ADHD smokers and nonsmokers. Poster presented at the annual meeting of the Society for Psychophysiological Research, Portland, OR.

- Picchiatti, M. A., & Gilbert, D. G. (2010, October). Nicotine reduces anterior cingulate activity during processing of negative pictures in smokers and nonsmokers with ADHD. Poster presented at the annual meeting of the Society for Psychophysiological Research, Portland, OR.
- Segrist, D.J., Gilbert, D.G., & Rose, P. (2010, August). Emotional distress tolerance and alexithymia: Predicting the desire to smoke. Presented at the annual meeting of the American Psychological Association, San Diego, CA.
- Diggs, H., Rabinovich, N., Gilbert, D. G. (2011, February). Effects of nicotine replacement therapy on marijuana withdrawal symptoms in cannabis-dependent individuals. Poster presented at Society for Research on Nicotine and Tobacco Annual Conference in Toronto, Canada.
- Gilbert, D., & Diggs, H. (February, 2011). Cannabis and Nicotine Dependence: Individual Differences in Withdrawal Symptoms, Drug Effects and Treatment Responses. Symposium presentation at the Process Addictions, Impulse Control and Compulsive Behavior Conference in Carbondale, IL.
- Diggs, H., Gilbert, D., & Picchiatti, M. (September, 2011). Marijuana cessation results in decrease in EEG slow wave power and increase in beta frequency power across ten days of abstinence. Poster presented at the Society for Psychophysiological Research Annual Meeting in Boston, MA.
- Picchiatti, M., Diggs, H., & Gilbert, D. (September, 2011). The effects of marijuana cessation on P3B in dependent smokers. Poster presented at the Society for Psychophysiological Research Annual Meeting in Boston, MA.
- Picchiatti, M., Diggs, H., & Gilbert, D. (September, 2012). Marijuana cessation increases EEG source-localized dorsolateral prefrontal cortex activity during incorrect trial feedback-related positivity in emotional identification task. Poster presented at the Society for Psychophysiological Research Annual Meeting in New Orleans, LA.
- Coppens, R., Diggs, H., Kanneganti, R., Picchiatti, M., & Gilbert, D. (September, 2012). LORETA-assessed patterns of brain activity in response to target stimuli in young carriers of the Alzheimer's Disease-associated APOE-4 genotype: Effects of smoking abstinence. Poster presented at the Society for Psychophysiological Research Annual Meeting in New Orleans, LA.
- Diggs, H., Zhu, J., & Gilbert, D. (September, 2012). Cannabis cessation alters event-related theta synchronization in the anterior cingulate cortex. Poster presented at the Society for Psychophysiological Research Annual Meeting in New Orleans, LA.

Diggs, H., Zhu, J., & Gilbert, D. (September, 2012). Cannabis use associated with altered middle temporal gyrus activity: A link to psychosis? Poster presented at the Society for Psychophysiological Research Annual Meeting in New Orleans, LA.

Coppens, R. P., Diggs, G. A., Bender, J. D., Kanneganti, R., Picchiatti, M.A., & Gilbert, D. G., (October, 2013). Effects of Nicotine Replacement, Bupropion, and Placebo on Smoking Abstinence-Related Changes on EEG Tomography. Society for Psychophysiological Research Annual Meeting, Florence, Italy.

Picchiatti, M.A., & Gilbert, D. G., (October, 2013). Variability in Anterior Cingulate Activity: Single-Trial Source Image Plot and Effects of Nicotine in ADHD. Society for Psychophysiological Research Annual Meeting, Florence, Italy.

V. PUBLICATIONS AND CREATIVE WORKS

A. Books:

Gilbert, D. G., & Connolly, J. J. (Eds.). (1991). Personality, social skills, and psychopathology. New York: Plenum Press.

Gilbert, D. G. (1995). Smoking: individual differences, psychopathology, and emotion. Washington, DC: Taylor & Francis.

B. Articles in Professional Journals:

Gilbert, D. G. (1979). Paradoxical tranquilizing and emotion-reducing effects of nicotine. Psychological Bulletin, 86, 643-661.

Gilbert, D. G. (1980). Introversiveness and self-reported reason for and times of urge for smoking. Addictive Behaviors, 5, 97-99.

Gilbert, D. G., & Hagen, R. L. (1980). The effects of nicotine and extroversiveness on self-report, skin conductance, electromyographic, and heart responses to emotional stimuli. Addictive Behaviors, 5, 247-257.

Gilbert, D. G., & Hagen, R. L. (1980). Taste in underweight, overweight and normal weight subjects before, during, and after sucrose ingestion. Addictive Behaviors, 5, 137-142.

Gilbert, D. G., Whittenberger, G. J., Gilbert, B. O., & Herndon, M. (1982). Perceived heart beat and emotion as a function of heart sound intensity and heart rate. Behavioral Engineering, 7, 87-91.

- Gilbert, D. G., & Reynolds, J. H. (1984). Type A personality: Correlations with personality variables and nonverbal emotional expressions during interpersonal competition. Personality and Individual Differences, 5, 27-34.
- Gilbert, D. G., & Hagen, R. L. (1985). Electrodermal responses to movie stressors: Nicotine by extraversion interactions. Personality and Individual Differences, 6, 573-578.
- Gilbert, D. G., Hagen, R. L., & D'Agostino, J. (1986). The effects of cigarette smoking on human sexual potency. Addictive Behaviors, 11, 431-434.
- Gilbert, D. G. (1987). Effects of smoking and nicotine on EEG lateralization as a function of personality. Personality and Individual Differences, 8, 933-941.
- Gilbert, D. G., & Spielberger, C. D. (1987). Effects of smoking on heart rate, anxiety, and feelings of success during social interaction. Journal of Behavioral Medicine, 10, 629-638.
- Gilbert, D. G. (1988). EEG and personality differences between smokers and nonsmokers. Personality and Individual Differences, 9, 659-665.
- Davis, H. C., Haymaker, D. J., Hermecz, D. A., & Gilbert, D. G. (1988). Marital interaction: Affective synchrony of self-reported emotional components. Journal of Personality Assessment, 52, 48-57.
- Gilbert, D. G., Jensen, R. A., Meliska, C. J. (1988). A system for administering quantified doses of tobacco smoke to human subjects: Plasma nicotine and filter pad validation. Pharmacology, Biochemistry, and Behavior, 31, 905-908.
- Gilbert, D. G., Robinson, J. H., Chamberlin, C. L., & Spielberger, C. D. (1989). Effects of smoking/nicotine on lateralization of EEG while viewing a stressful movie. Psychophysiology, 26, 311-320.
- Jensen, R. A., Gilbert, D. G., Meliska, C. J., Landrum, T. A., & Szary, A. B. (1990). Characterization of a dose-response curve for nicotine-induced flavor aversion learning in rats: Relationship to elevation of plasma beta-endorphin concentration. Behavioral and Neural Biology, 53, 428-440.
- Masson, C. L., & Gilbert, D. G. (1990). Cardiovascular responses to a quantified dose of nicotine as a function of personality and nicotine tolerance. Journal of Behavioral Medicine, 13, 505-521.
- McColloch, M. A., Gilbert, D. G., & Johnson, S. (1990). Effects of situational variables on the interpersonal behavior of families with an aggressive adolescent. Personality and Individual Differences 11, 1-11.

- Meliska, C. J. & Gilbert, D. G. (1991). Hormonal and subjective effects of smoking the first five cigarettes of the day. Pharmacology, Biochemistry & Behavior, 40, 229-235.
- Gilbert, D. G., Gilbert, B. O., Johnson, S., & McColloch, M. A. (1991). Electrocardiac and electrodermal activity differences between aggressive adolescents and controls. Journal of Social Behavior and Personality, 6, 3-9.
- Gilbert, B. O. & Gilbert, D. G. (1991). Electrodermal responses to movie-induced stress as a function of EPI and MMPI scale scores. Journal of Social Behavior and Personality, 6, 903-914.
- Gilbert, D. G., Johnson, S., Gilbert, B. O., & McColloch, M. A. (1991). Event-related potential correlates of I.Q. Personality and Individual Differences, 12, 1183-1184.
- Gilbert, D. G., Meliska, C. J., Williams, C. L., & Jensen, R. A. (1992). Subjective correlates of cigarette-smoking-induced elevations of peripheral β -endorphin and cortisol. Psychopharmacology, 106, 275-281.
- Pritchard, W. S., Gilbert, D. G., & Duke, D. W. (1993). Flexible effects of quantified cigarette-smoke delivery on EEG dimensional complexity. Psychopharmacology, 113, 95-102.
- Gilbert, D. G. (1994). Why people smoke: Stress reduction, coping enhancement, and nicotine. Recent Advances in Tobacco Science, 20, 106-161.
- Gilbert, D. G., Meliska, C. J., Welser, R., & Estes, S. L. (1994). Depression, personality, and gender influence EEG, cortisol, beta-endorphin, heart rate, and subjective responses to smoking multiple cigarettes. Personality and Individual Differences, 16, 247-264.
- Gilbert, A. M., Gilbert, B. O., & Gilbert, D. G. (1994). Fears as a function of gender and extraversion in adolescents. Journal of Social Behavior and Personality, 9, 89-94.
- Gilbert, D. G., & Gilbert, B. O. (1995). Personality, psychopathology, and nicotine response as mediators of the genetics of smoking. Behavior Genetics, 25(2), 133-147.
- Meliska, C. J., Stunkard, M. E., Gilbert, D. G., Jensen, R. A., & Martinko, J.M. (1995). Immune function in cigarette smokers who quit for 31 days. The Journal of Allergy and Clinical Immunology, 95(4), 901-910.
- Gilbert, D. G., Stunkard, M. E., Jensen, R. A., Detwiler, F. R. J., & Martinko, J. M. (1996). Effects of exam stress on mood, cortisol, and immune functioning: Influences of neuroticism and smoker-nonsmoker status. Personality and Individual Differences, 21, 235-246.

- Geist, R., & Gilbert, D. G. (1996). Correlates of expressed and felt emotion during marital conflict: Satisfaction, personality, process, and outcome. Personality and Individual Differences 21, 49-60.
- Gilbert, D. G. (1996). Depression, smoking, and nicotine. Drug Development Research, 38, 267-277.
- Parks, R. W., Becker, Robert E., Rippey, R. F., Gilbert, D. G., Matthews, J. R., Kabatay, E., Young, C. S., Vohs, C., Danz, V., Keim, P., Collins, G. T., Zigler, S. S. & Urycki, P. G. (1996). Increased regional cerebral glucose metabolism and semantic memory performance in Alzheimer s Disease: A pilot double blind transdermal nicotine positron emission tomography study. Neuropsychology Review, 6 (2), 61-68.
- Gilbert, D. G. (1997). What's new in biobehavioral research. Society for Research on Nicotine and Tobacco Newsletter, 3 (3), 3/ 10-11.
- Gilbert, D. G. (1997). The situation x trait adaptive response (STAR) model of substance use and craving. Human Psychopharmacology: Clinical and Experimental, 12, S89-S102.
- Gilbert, D. G., Estes, S. L., & Welser, R. (1997). Does noise stress modulate effects of smoking/nicotine? Mood, vigilance, and EEG responses. Psychopharmacology, 129, 382-389.
- Gilbert, D. G., Meliska, C. J., & Plath, L. C. (1997). Noise stress does not modulate effects of smoking/nicotine on β -endorphin, cortisol, ACTH, glucose, and mood. Psychopharmacology, 130, 197-202.
- Gilbert, D. G., Gilbert, B. O., & Schultz, V. L. (1998). Withdrawal symptoms: Individual differences and similarities across addictive behaviors. Personality and Individual Differences, 24, 351-356.
- Gilbert, D. G., McClernon, F. J., Rabinovich, N., Plath, L.C., Jensen, R. A., & Meliska, C. J. (1998). Effects of smoking abstinence on mood and craving in men: Influences of negative-affect-related personality traits, habitual nicotine intake, and repeated measurements. Personality and Individual Differences, 25, 399-423.
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- Thomsen, D. G., & Gilbert, D. G. (1998). Factors characterizing marital conflict and traits: Physiological, affective, behavioral, and neurotic variable contributions to marital conflict and satisfaction. Personality and Individual Differences, 25, 833-855.

- Gilbert, D. G., Crauthers, D. M., Mooney, D. K., & McClernon, F. J. (1999). Effects of monetary contingencies on smoking relapse: Influence of trait depression, personality, and habitual nicotine intake. Experimental and Clinical Psychopharmacology, *7*(2), 1-8.
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- Gilbert, D. G., McClernon, F. J., Rabinovich, N. E., Sugai, C., Plath, L. C., Asgaard, G., Zuo, Y., Huggenvik, J. I., & Botros, N. (2004). Effects of

quitting smoking on EEG activation and attention last for more than 31 days and are more severe with stress, dependence, DRD2 A1 allele, and depressive traits. Nicotine and Tobacco Research, *6*, 249-267.

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- Gilbert, D. G., Sugai, C., Zuo, Y., Eau Claire, N., McClernon, F. J., Rabinovich, N. E., Markus, T., Asgaard, G., & Radtke, R. (2004). Effects of nicotine on brain responses to emotional pictures. Nicotine and Tobacco Research, *6*, 985-996.
- McClernon, F. J., & Gilbert, D. G. (2004). Human functional neuroimaging in nicotine and tobacco research: basics, background, and beyond. Nicotine and Tobacco Research, *6*, 941-959.
- Cappelleri, J. C., Bushmakin, A. G., Baker, C. L., Merikle, E., Olufade, A. O., & Gilbert, D. G. (2005). Revealing the multidimensional framework of the Minnesota nicotine withdrawal scale. Current Medical Research and Opinions, *21*, 749-760.
- Gilbert, D. G., Izetelny, A., Radtke, R., Hammersley, J., Rabinovich, N. E., Jameson, T. R., & Huggenvik, J. I. (2005). Dopamine receptor (DRD2) genotype-dependent effects of nicotine on attention and distraction during rapid visual information processing. Nicotine and Tobacco Research, *7*, 361-379.
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- Cappelleri, J. C., Bushmakin, A. G., Baker, C. L., Merikle, E., Olufade, A. O., Gilbert, D. G. (2007). Multivariate framework of the Brief Questionnaire of Smoking Urges. Drug and Alcohol Dependence, *90*, 234-242
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- Parker, Ashley B. & Gilbert, David G. (2008). Brain activity during anticipation of smoking-related and emotionally positive pictures in smokers and nonsmokers: A new measure of cue reactivity. *Nicotine & Tobacco Research, 10*, 1627-1631.
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- Wiebe, S. A., Espy, K. A., Stopp, C., Repass, J., Steward, P., Jameson, T. R., Gilbert, D. G., & Huggenvik, J. I. (2009). Gene–environment interactions across development: Exploring DRD2 genotype and prenatal smoking effects on self-regulation. *Developmental Psychology, 45*, 31–44.
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Michele L. Pergadia, M. L., & Gilbert, D. G. (2013). The ups and downs of nicotine withdrawal and methods to study the process. *Addiction*, *108*, 60–61.

Hammersley, J. J., Rzetelny, A., Gilbert, D. G., Rabinovich, N. E., Small, S. L., & Huggenvik, J. I. (2013). Effects of nicotine on emotional distraction of attentional orienting: evidence of possible moderation by dopamine type 2 receptor genotype. *Pharmacol Biochem Behav.* doi:pii: S0091-3057(13)00063-4. 10.1016/j.pbb.2013.02.017. [Epub ahead of print]. PMID: 23474369

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Robinson, J. D., Engelmann, J. M., Cui, Y., Versace, F., Waters, A. J., Gilbert, D. G., Gritz, E. R., & Cinciripini, P. M. (in press). The effects of nicotine dose expectancy and motivationally relevant distracters on vigilance. *Psychology of Addictive Behaviors*.

Chapters in Professional Books:

Gilbert, D. G. (1986). Marriage and sex: Moving from correlations to dynamic personality by personality interactions--Limits of monocular vision. In Modgil, S., & C. Modgil (Eds.), Hans Eysenck: A psychologist searching for a scientific basis for human behavior--Consensus and controversy. London: Falmer Press.

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Gilbert, D. G. (1988). The effect of smoking and nicotine on affect and stress. Submitted on request to the Surgeon General and included as part of the

1988 Surgeon General's Report: Nicotine Addiction. Rockville, MD: PHS.

Gilbert, D. G. & Welser, R. (1989). Emotion, anxiety, and smoking. In Ney, T., & A. Gale (Eds.), Smoking and human behavior. Chichester: Wiley.

Gilbert, D. G. (1991). A personality x personality x setting biosocial model of interpersonal affect and communication. In D. G. Gilbert & J. J. Connolly (Eds.), Personality, social skills, and psychopathology. New York: Plenum Press.

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Gilbert, D. G., McClernon, F. J., & Gilbert, B. O. (1997). The psychology of the smoker. In C. T. Bollinger & K. O. Fagerström (Eds.), The tobacco epidemic (pp.132-150). Karger: Basel, Switzerland.

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Gilbert, D. G., & McClernon, F. J. (2000). Smoking and stress. In G. Fink (Ed.), Encyclopedia of stress, (Vol. 3) (pp. 458-466). San Diego: Academic Press.

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Gilbert, D. G., & Diggs, H. A. (2013). Using Quantitative EEG and EEG Tomography to Understand Drug Abuse: A Quantum Leap in New Methods and Benefits. In J. MacKillop & H. de Wit (Eds.) Handbook of Addiction Psychopharmacology. Wiley.

D. Grants Received:

1. Cooperation and conflict resolution in families with aggressive adolescents. \$12,000 received from North Carolina Division of Mental Health, Mental Retardation and Substance Abuse Services. 7/1/83-6/30/85. Co-principal Investigator.
2. An evaluation of an overdose-toxicosis model of the capacity of nicotine to release neuromodulators. \$179,081 received from the R. J. Reynolds Tobacco Company. 1/1/87-12/31/88. Co-principal Investigator (with R. Jensen).
3. Cardiovascular, electrocortical and psychological responses to quantified doses of nicotine as a function of nicotine dependence, hypertension and caffeine. \$16,000 received from Office of Research Development and Administration, Southern Illinois University-Carbondale. 8/86-7/31/88. Principal Investigator.
4. Subjective, reinforcing, and physiological effects of nicotine as a function of dose, tachyphylaxis, stress, caffeine, and individual differences. \$384,810 received from the R. J. Reynolds Tobacco Company. 1/1/89-12/31/91. Principal Investigator (with R. A. Jensen & C. Meliska, Co-PIs).
5. An evaluation of the effects of stress, nicotine, smoking and smoking abstinence on immune system functioning. \$230,933 received from the Office of Naval Research. 6/1/89-5/31/91. Co-Principal Investigator (with R. Jensen, J. Martinko, & C. Meliska).
6. Factors Influencing Success in Cigarette Abstinence (revised). \$331,500 requested from the Department of Health and Human Services, Public Health Service, 9/30/89-8/31/92. Principal Investigator (Robert Jensen, Co-PI).
7. NIH, Small Instrumentation Program, \$5,180, June, 1990. Principal Investigator.
8. NIH, Small Instrumentation Program, \$9,950, June, 1991. Principal Investigator.
9. Subjective, reinforcing, and physiological effects of nicotine. \$40,000 received from R. J. Reynolds Tobacco Company, 1/1/92 to 12/31/92. Principal Investigator.
10. Effects of smoking on mood, EEG, and depression. \$7,500 received from R. J. Reynolds Tobacco Company, 1/1/93 to 12/31/93. Principal Investigator.
11. Gender and Vulnerability Factors in Cigarette Abstinence. \$254,855 received first year 1993/4 (over \$1,000,000.00 projected over five year project) received from National Institute on Drug Abuse. Principal Investigator.
12. NIH/NIDA Minority Supplement \$18,971.00 first year (1993/4), Total grant received: \$30,862.00. Principal Investigator.
13. Effects of smoking, nicotine, distraction and expectancy on anxiety. \$20,000.00 received from the R. J. Reynolds Tobacco Company. 1/1/94 to 12/31/94. Principal Investigator.
14. National Institute on Drug Abuse: Gender and vulnerability factors in cigarette abstinence (continuation, i.e., portion of that awarded for #11, above). \$169,350.00 received for 1994/95.

15. Why people smoke: Development and validation of an instrument to measure individual differences in smoking motivation. \$35,000 received from R. J. Reynolds Tobacco Company. 12/15/94 - 12/31/95. Principal Investigator with N. Ramanaiah, Co-PI.
16. National Institute on Drug Abuse: Gender and vulnerability factors in cigarette abstinence (continuation, i.e., portion of that awarded for #11, above). \$177,650.00 (direct costs) & (\$74,613 indirect costs) received for 1995/96.
17. Further Development and Validation of A Smoking Motivation Questionnaire. \$35,000 received from R.J. Reynolds Tobacco Company. 12/15/95 - 12/31/96. Principal Investigator with N. Ramanaiah, Co-PI.
18. National Institute on Drug Abuse: Gender and vulnerability factors in cigarette abstinence (continuation, i.e., portion of that awarded for #11, above). \$177,269 (direct costs) & (\$74,453 indirect costs) received for 1996/97.
19. Smoking and psychophysiology. \$30,000 received from R.J. Reynolds Tobacco Company. 12/15/96 - 12/31/97. Principal Investigator with N. Ramanaiah, Co-PI.
20. National Institute on Drug Abuse: Gender and vulnerability factors in cigarette abstinence (continuation, i.e., portion of that awarded for #11, above). \$159,295 (direct costs) & (\$66,904 indirect costs) received for 1997/98.
21. Smoking and psychophysiology. \$42,000 received from R.J. Reynolds Tobacco Company. 1/1/98 - 12/31/98
22. Cue EEG/ERP Reactivity Pre and Post Nicotine Therapy. (\$1.5 million projected over five year project). National Institute on Drug Abuse. 1998/99. \$216,663 (direct costs) and \$88,832 (indirect costs). Principal Investigator.
23. Nicotine: Attention, affect, genes, and vulnerability. \$122, 213 (direct costs) & \$50,107 (indirect costs) first year 1999/2000. (\$360,307 projected over two-year project) received from National Cancer Institute. Principal Investigator.
24. Cue EEG/ERP Reactivity Pre and Post Nicotine Therapy. National Institute on Drug Abuse. 2001/2002. \$228,130 (direct costs) and \$93,533 (indirect costs). Principal Investigator.
25. Cue EEG/ERP Reactivity Pre and Post Nicotine Therapy. National Institute on Drug Abuse. 2001/2002. \$236,468 (direct costs) and \$96,952 (indirect costs). Principal Investigator.
26. Cue EEG/ERP Reactivity Pre and Post Nicotine Therapy. National Institute on Drug Abuse. 2002/2003. \$158,610 (direct costs) and \$65,030 (indirect costs). Principal Investigator.
27. Nicotine: Cognition x Affect Interactions. National Institute on Drug Abuse. 2003/2004. \$200,000 (direct costs) over 1st years of 3-year, \$600,000 grant. Principal Investigator.
28. Prenatal Tobacco Exposure: Perinatal and Genetic Risks. National Institute on Drug Abuse. 2003/2004. \$250,000 (direct costs) over 1st years of 5-year, \$1,250,000 grant. Co-Investigator (with Kimberly Espy, PI).
29. Nicotine: Cognition x Affect Interactions. National Institute on Drug Abuse. 2003/2004. \$200,000 (direct costs) over 2nd year of 3-year, \$600,000 grant. Principal Investigator.

30. Prenatal Tobacco Exposure: Perinatal and Genetic Risks. National Institute on Drug Abuse. 2003/2004. \$250,000 (direct costs/year) over 2nd year of 5-year, \$1,250,000 grant. Co-Investigator (with Kimberly Espy, PI).
31. Attentional Bias & Affect in Stress-Vulnerable Smokers. National Institute on Drug Abuse. Principal Investigator. First year of four-year (06/01/04-05/31/2008), \$250,000 (direct costs/year). \$1,000,000 total direct over 5 years. Principal Investigator.
32. NRT & Bupropion Mechanisms of Effectiveness in Smokers. National Institute on Drug Abuse. Principal Investigator. First year of five-year (04/01/06-03/31/2011), approx. \$399,000 (direct costs/year), \$575,000/year total direct and indirect/year. \$2,798,310 total direct + indirect over 5 years. Principal Investigator.
33. Marijuana Effects. SIUC Office of Research Development and Administration seed grant. \$18,000 (approx.). 2008-2009.
34. Development of an Eye-Gaze Operant Avoidance Behavior Task for Children: Relevance to Brain Activity and Genetic Influences on Delinquent Behaviors. DiLalla, L., Gilbert, D. G., & Habib, R. SIUC seed grant from CIRCNS, \$13,900.
35. Quitting Marijuana Smoking on Nicotine Patch. SIUC seed grant from CIRCNS. February-April 2010. \$12,000.
36. Nicotine for Marijuana Withdrawal. National Institute on Drug Abuse. R01 DA031006. 09/21/2010 to 08/31/2013. Direct/year: Yr 1-\$225,000; Yr 2: \$250,000, Yr 3 \$250,000. Principal Investigator.
37. EEG & Behavioral Predictors of Changes in Smoking Trajectories in Young Light Smokers. National Institute on Drug Abuse. R01DA036032 09/01/2013-06/30/2018. \$1,640,635 total across 5 years. Principal Investigator.

E. Evaluation of Manuscripts for Journals

Ad hoc:

Addiction
 Addictive Behaviors
 Annals of Behavioral Medicine
 Archives of General Psychiatry
 Behavior Genetics
 Clinical Psychology Review
 Developmental Neuropsychology
 Drug and Alcohol Dependence
 Experimental and Clinical Psychopharmacology
 Genes Brain and Behavior
 International Journal of Psychophysiology
 Journal of Abnormal Psychology
 Journal of Addiction Medicine
 Journal of Behavioral Medicine
 Journal of Consulting and Clinical Psychology
 Journal of Family Psychology
 Journal of Psychosomatic Medicine
 Journal of Social and Personal Relationships

Neuropsychobiology
Neuropsychopharmacology and Biological Psychiatry
Neuroscience
Nicotine and Tobacco Research
Pharmacogenetics
Personality and Individual Differences
Psychological Bulletin
Psychology of Addictive Behaviors
Psychopharmacology
Pharmacology Biochemistry & Behavior
Psychological Reports
Psychophysiology
Psychosomatic Medicine
Regulatory Toxicology and Pharmacology
Tobacco Control

Associate Editor: Nicotine and Tobacco Research 2006-2010.

F. Grant Review Panel Member:

- a. National Institute on Drug Abuse Special Emphasis Panel (NIDA-K) member (2001-2006).
- b. National Institute on Drug Abuse Biobehavioral Regulation, Learning and Ethology Study Section member (2006-2010)
- c. National Institute on Drug Abuse Risk Prevention and Interventions for Addictions study section member (2011-current)
- d. Ad hoc NIH grant reviews periodically.