

F. Joseph McClernon, Ph.D.

January 1, 2009

Associate Professor and Director
 Tobacco Research Laboratory
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Education

- Ph.D. Southern Illinois University, Carbondale, Illinois, August, 2001
 Department of Psychology, General Clinical Psychology Program
- Clinical Internship Medical University of South Carolina and V.A. Medical Center
 Consortium, Charleston, South Carolina, July, 2001
- M.A. Southern Illinois University, Carbondale, Illinois, August 1998
 Department of Psychology, General Clinical Psychology Program
- B.A. Rockhurst University, Kansas City, Missouri, May 1992
 Psychology with Honors

Work Experience

- Associate Professor Department of Psychiatry and Behavioral Sciences
 Duke University Medical Center
 Durham, North Carolina
 December 2008 – Present
- Assistant Professor Department of Psychiatry and Behavioral Sciences
 Duke University Medical Center
 Durham, North Carolina
 April 2004 – December 2008
- Research Associate Department of Psychiatry and Behavioral Sciences
 Duke University Medical Center
 November 2002 – April 2004
- Postdoctoral Fellow Nicotine Research Program
 Duke University & V.A. Medical Centers
 August 2001- October 2002
- Psychology Intern Center for Drug and Alcohol Programs
 Medical University of South Carolina
 Charleston, South Carolina
 August 2000 - July 2001
- Research Coordinator Integrative Neuroscience Laboratory
 Department of Psychology
 Southern Illinois University
 Carbondale, Illinois
 August 1995 - August 2000

Associate
Psychologist

Midwest Research Institute
Biobehavioral Sciences Section
Kansas City, Missouri
August 1992 - July 1995

Other Positions

Principal Investigator Duke Center for Nicotine and Smoking Cessation Research
2005 – Present

Faculty Affiliate Duke University Center for Neuroeconomic Studies
2006 – Present

Faculty Affiliate Duke University Center for Cognitive Neuroscience
2008 – Present

Grant Funding

Current

Neurobiology of Nicotine and Non-nicotine Components of Tobacco Addiction

PI: Joseph McClernon, Ph.D.
Agency: National Institute on Drug Abuse
Grant number: R01 DA023516
Period: 5/15/2008 – 3/31/2012

Brain Substrates of Extinction-Based Treatment for Nicotine Dependence

PI: Joseph McClernon, Ph.D.
Agency: National Institute on Drug Abuse
Grant number: R01 DA025876
Projected Period: 9/15/2008 – 9/14/2013

Neuroimaging Attentional Impairment During Abstinence

PI: Joseph McClernon, Ph.D.
Agency: National Institute on Drug Abuse
Grant number: K23 DA017261
Period: 7/1/2004 – 6/30/2009

Cue Reactivity During A Low-Carbohydrate, Ketogenic Diet: An fMRI Study

PI: Joseph McClernon, Ph.D.
Agency: The Dr. Robert C. and Veronica Atkins Foundation
Period: 4/2008 – 3/2010

Mechanisms of Nicotine Dependence in ADHD Adults

PI: Scott Kollins, Ph.D.
Agency: National Institute on Drug Abuse
Grant number: R21 DA020806
Period: 4/1/2007 – 3/31/2009
Role: Co-Investigator

The Effect of Smoking on Startle & PPI in PTSD

PI: Jean C. Beckham, Ph.D.
Agency: National Institute on Drug Abuse
Grant Number: R21 DA019704
Period: 4/1/2006 – 1/31/2009
Role: Co-Investigator

Smoking & Anxiety In Posttraumatic Stress Disorder

PI: Jean C. Beckham, Ph.D.

Agency: National Cancer Institute

Grant Number: 2 R01 CA081595

Period: 9/30/1998 – 2/28/2011

Role: Co-Investigator

Nicotine Patch Pretreatment for Smoking Cessation in PTSD

PI: Jean C. Beckham, Ph.D.

Agency: Department of Veterans Affairs

Period 4/1/2008 – 3/31/2012

Role: Consultant

Completed*Effects of Nicotine on Depression Symptoms: A Double-Blind, Placebo-Controlled Trial*

PI: Joseph McClernon, Ph.D.

Agency: National Alliance for Research on Schizophrenia and Depression

Type: Young Investigator Award

Period: 7/01/2003 – 6/30/2006

Summer Research with NIDA for Underrepresented Minorities

PI: Joseph McClernon, Ph.D.

Agency: National Institute on Drug Abuse

Type: Training Supplement (K23 DA017261-01S1, -03S1)

Period: 5/30/05 – 8/12/05; 5/30/06 – 8/12/06

Drug Cue Reactivity in Smokers: An fMRI Investigation

PI: Joseph McClernon, Ph.D.

Agency: National Institute on Drug Abuse

Type: I/START (R03 DA016212)

Period: 09/30/2002 – 09/29/2003

Awards and Honors

- 1998 Thesis of the Year, Department of Psychology, Southern Illinois University
- 2001-2002 National Institute of Mental Health Postdoctoral Fellowship Award
- 2002 Training Award, American Psychological Assoc. fMRI Advanced Training Institute
- 2005, 2008 New Investigator Travel Award, Society for Research on Nicotine and Tobacco
- 2005 Janet E. Rafferty Scientist-Practitioner Alumni Award, SIU-C
- 2006 Young Investigator Travel Award, American College of Neuropsychopharmacology
- 2009 Award for most frequently cited review published in *Psychopharmacology* in 2006
- 2009 Jarvik-Russell Young Investigator Award, Soc. for Research on Nicotine & Tobacco

Publications

- 41. Willoughby, M. T., Kollins, S. H., & **McClernon**, F. J. (2009, accepted). Association between smoking and retrospectively reported ADHD symptoms in a population based sample of new mothers. *Nicotine and Tobacco Research*.
- 40. Fuemmeler, B. F., Agurs-Collins, T., **McClernon**, F. J., Kollins, S. H., Kail, M., & Ashley-Koch, A. E. (2009, accepted). Interactions between genotype and depressive symptoms on obesity. *Behavioral Genetics*.

39. Kollins, S. H., Kail, M. E., **McClernon**, F. J., Cuccaro, M. L., Lachiewicz, A. M., Morrissey-Kane, E., FitzGerald, D., Collins, A. L., Anastopoulos, A. D., & Ashley-Koch, A. E. (2009, accepted). Effects of postnatal parental smoking on parent and teacher ratings of ADHD and oppositional symptoms. *Journal of Nervous and Mental Disease*.
38. **McClernon**, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (in press). 24-hr smoking abstinence potentiates fMRI-BOLD activation to smoking cues in cerebral cortex and dorsal striatum. *Psychopharmacology*.
37. Kollins, S. H., **McClernon**, F. J., & Epstein J. N. (2009). Effects of smoking abstinence on reaction time variability in smokers with and without ADHD: An Ex-Gaussian analysis. *Drug and Alcohol Dependence*, *100*, 169-172.
36. **McClernon**, F. J. & Kollins, S. H. (2008). ADHD and smoking: From genes to brain to behavior. *Annals of the New York Academy of Sciences*, *1141*, 131-147.
35. Beckham, J. C., Wiley, M. T., Miller, S., Dennis, M. F., Wilson, S. M., **McClernon**, F. J., & Calhoun, P. S. (2008). *Ad Lib* smoking in posttraumatic stress disorder: An electronic diary study. *Nicotine and Tobacco Research*, *10*, 1149-1157.
34. **McClernon**, F. J., Kozink, R. V., & Rose, J. E. (2008). Individual differences in nicotine dependence, withdrawal symptoms and sex predict transient fMRI-BOLD responses to smoking cues. *Neuropsychopharmacology*, *33*, 2148-2157.
33. Conklin, C. A., Robin, N., Perkins, K. A., Salkeld, R. P., & **McClernon**, F. J. (2008). Proximal versus distal cues to smoke: The effects of environments on smokers' cue-reactivity. *Experimental and Clinical Psychopharmacology*, *16*, 207-214.
32. **McClernon**, F. J., Kollins, S. H., Lutz, A. M., Fitzgerald, D. P., Murray, D. W., Redman, C., & Rose, J. E. (2008). Effects of smoking abstinence on adult smokers with and without attention deficit hyperactivity disorder: Results of a preliminary study. *Psychopharmacology*, *197*, 95-105.
31. Roberts, M. E., Fuemmeler, B. F., **McClernon**, F. J., & Beckham, J. C. (2008). Association between trauma exposure and smoking in a population-based sample of young adults. *Journal of Adolescent Health*, *42*, 266-274.
30. Fuemmeler, B. F., Agurs-Collins, T., **McClernon**, F. J., Kollins, S. H., Kail, M., Bergen, A. W., & Ashley-Koch, A. E. (2008). Genes implicated in serotonergic and dopaminergic functioning interact with gender and ethnicity to predict BMI categories. *Obesity*, *16*, 348-355.
29. **McClernon**, F. J., Fuemmeler, B. F., Kollins, S. H., Kail, M. E., & Ashley-Koch, A. E. (2008). Interactions between genotype and retrospective ADHD symptoms predict lifetime smoking risk in a sample of young adults. *Nicotine and Tobacco Research*, *10*, 117-127.
28. Fuemmeler, B. F., Kollins, S. H., & **McClernon**, F. J. (2007). Attention deficit hyperactivity disorder symptoms predict nicotine dependence and progression to regular smoking from adolescence to young adulthood. *Journal of Pediatric Psychology*, *32*, 1203-1213.
27. Beckham, J. C., Dennis, M. F., **McClernon**, F. J., Mozley, S. L., Collie, C. F., & Vrana, S. R. (2007). The effects of cigarette smoking and script-driven imagery in smokers with and without posttraumatic stress disorder. *Addictive Behaviors*, *32*, 2900-2915.

26. **McClernon**, F. J., Hutchinson, K. E., Rose, J. E., & Kozink, R. V. (2007). DRD4 VNTR polymorphism is associated with transient fMRI-BOLD responses to smoking cues. *Psychopharmacology*, *194*, 433-441.
25. Payne, B. K., **McClernon**, F. J., & Dobbins, I. G. (2007). Automatic affective responses to smoking cues. *Experimental and Clinical Psychopharmacology*, *15*, 400-409.
24. Pettiford, J., Kozink, R. V., Lutz, A. M., Kollins, S. H., Rose, J. E., & **McClernon**, F. J. (2007). Increases in impulsivity following smoking abstinence are related to baseline nicotine intake and boredom susceptibility. *Addictive Behaviors*, *32*, 2351-2357.
23. **McClernon**, F. J., Hiott, F. B., Liu, J., Salley, A. N., Behm, F. M., & Rose, J. E. (2007). Selectively reduced responses to smoking cues in amygdala following extinction-based smoking cessation: Results of a preliminary fMRI study. *Addiction Biology*, *12*, 503-512.
22. **McClernon**, F. J., Westman, E. C., Rose, J. E., & Lutz, A. M. (2007). The effects of foods, beverages and other factors on cigarette palatability. *Nicotine and Tobacco Research*, *9*, 505-510.
21. Gilbert, D. G., Sugai, C., Zuo, Y., Rabinovich, N. E., **McClernon**, F. J., & Froeliger, B. E. (2007). Brain indices of nicotine's effects on attentional bias to smoking and emotional pictures and to task-relevant targets. *Nicotine and Tobacco Research*, *9*, 351-363.
20. **McClernon**, F. J., Yancy, W. S., Eberstein, J. A., Atkins, R. C., & Westman, E. C. (2007). The effects of a low-carbohydrate ketogenic diet and a low-fat diet on mood, hunger, and other self-reported symptoms. *Obesity*, *15*, 182-187.
19. **McClernon**, F. J., Hiott, F. B., Westman, E. C., Rose, J. E., Levin, E. D. (2006). Transdermal nicotine attenuates depression symptoms in nonsmokers: A double-blind, placebo-controlled trial. *Psychopharmacology*, *189*, 125-133.
18. Okuyemi, K. S., Powell, J. N., Savage, C. R., Hall, S. B., Nollen, N. L., Holsen, L. M., **McClernon**, F. J., & Ahluwalia, J. S. (2006). Enhanced cue-elicited brain activation in African American compared to Caucasian smokers: An fMRI study. *Addiction Biology*, *11*, 97-106.
17. Levin, E. D., **McClernon**, F. J., & Rezvani, A. H. (2006). Nicotinic effects on cognitive function: Behavioral characterization, pharmacological specification and anatomic localization. *Psychopharmacology*, *84*, 523-539. **[Most frequently cited review published in *Psychopharmacology* in 2006, > 90 as of 11/08]**
16. Kollins, S. H., **McClernon**, F. J., & Fuemmeler, B. F. (2005). Association between smoking and ADHD symptoms in a population-based sample of young adults. *Archives of General Psychiatry*, *62*, 1142-1147.
15. **McClernon**, F. J., Hiott, F. B., Huettel, S. A., & Rose, J. E. (2005). Abstinence-induced changes in self-report craving correlate with event-related fMRI responses to smoking cues. *Neuropsychopharmacology*, *30*, 1940-1947.
14. **McClernon**, F. J. & Rose, J. E. (2005). Mecamylamine moderates cue-induced emotional responses in smokers. *Addictive Behaviors*, *30*, 741-753.
13. **McClernon**, F. J., Beckham, J. C., Mozley, S. L., Feldman, M. E., Vrana, S. R., & Rose, J. E. (2005). The effects of trauma recall on smoking topography in posttraumatic stress disorder (PTSD) and non-PTSD trauma survivors. *Addictive Behaviors*, *30*, 247-257.

12. 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.
11. **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.
10. Beckham, J. C. Gehrman, P. R., **McClernon**, F. J., Collie, C. F., & Feldman, M. E. (2004). Cigarette smoking, ambulatory cardiovascular monitoring, and mood in Vietnam veterans with and without chronic posttraumatic stress disorder. *Addictive Behaviors*, *29*, 1579-1593.
9. **McClernon**, F. J., Westman, E. C., & Rose, J. E. (2004). The effects of controlled deep breathing on smoking withdrawal. *Addictive Behaviors*, *29*, 765-772.
8. Gilbert, D. G., **McClernon**, F. J., Rabinovich, N. E., Sugai, C., Plath, L. C., Asgaard, G., Zuo, Y., Huggenvik, J., & 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.
7. **McClernon**, F. J., Gilbert, D. G., & Radtke, R. (2003). Effects of transdermal nicotine on lateralized identification and memory interference. *Human Psychopharmacology: Clinical and Experimental*, *18*, 339-343.
6. Gilbert, D. G., **McClernon**, F. J., Rabinovich, N. E., Plath, L. C., Masson, C. L., Anderson, A. E., & Sly, K. F. (2002). Mood disturbance fails to resolve across 31 days of cigarette abstinence in women. *Journal of Consulting and Clinical Psychology*, *70*, 142-152.
5. Gilbert, D. G., **McClernon**, F. J., Rabinovich, N. E., Dibb, W. D., Plath, L. C., Hiyane, S., Jensen, R. A., Meliska, C. J., Estes, S. L., & Gehlbach, B. A. (1999). EEG, physiology, and task-related mood fail to resolve across 31 days of smoking abstinence: Relations to depressive traits, nicotine exposure, and dependence. *Experimental and Clinical Psychopharmacology*, *7*, 427-443.
4. Gilbert, D. G., Crauthers, D. M., Mooney, D. K., **McClernon**, F. J., & Jensen, R. A. (1999). Effects of monetary contingencies on smoking relapse: Influence of trait depression, personality, and habitual nicotine intake. *Experimental and Clinical Psychopharmacology*, *7*, 174-181.
3. Gilbert, D. G., **McClernon**, F. J., Rabinovich, N. E., Plath, L. C., Jensen, R. A., & Meliska, C. J. (1998). Effects of smoking abstinence on mood and craving in men: Influence of negative-affect-related personality traits, habitual nicotine intake, and repeated measurements. *Personality and Individual Differences*, *25*, 399-424.
2. Cook, M. R., Gerkovich, M. M., Hoffman, S. J., **McClernon**, F. J., & O'Connell, K. A. (1996). Effects of smoking and telic/paratelic dominance on the CNV. *International Journal of Psychophysiology*, *23*, 101-110.
1. Cook, M. R., Gerkovich, M. M., Hoffman, S. J., **McClernon**, F. J., Cohen, H. D., Oakleaf, K. L., & O'Connell, K. A. (1995). Smoking and EEG power spectra: Effects of differences in state. *International Journal of Psychophysiology*, *19*, 247-256.

Book Chapters

- McClernon, F. J., & Gilbert, D. G.** (2007). Smoking and stress. In *The encyclopedia of stress*. (3rd ed., vol. 3, pp. 512-520) San Diego: Academic Press.
- Gilbert, D. G., & **McClernon, F. J.** (2000). Smoking and stress. In *The encyclopedia of stress* (2nd ed., vol. 3, pp. 458-466). San Diego: Academic Press.
- Gilbert, D. G., **McClernon, F. J.**, & Gilbert, B. O. (1997). The psychology of the smoker. In C. T. Bollinger & K. O. Fagerström (Eds.), *Progress in respiratory research: Vol. 28. The tobacco epidemic*. Basel, Switzerland: Karger.

Commentaries

- Gilbert, D. G., & **McClernon, F. J.** (2000). A smoke cloud of confusion [Comment]. *American Psychologist, 55*, 1158-1159.

Invited Talks

- McClernon, F. J.** (March, 2008). *ADHD and smoking: From initiation to dependence to cessation*. Grand rounds, Department of Psychiatry, University of Vermont College of Medicine.
- McClernon, F. J.** (June, 2008). *Neuroimaging of nicotine dependence: Key findings and application to the study of ADHD/smoking comorbidity*. Second National Conference on Dual Diagnosis, Indianapolis, IN.
- McClernon, F. J.** (2007). *To go or not to go?: Smoking, response inhibition and the brain*. Paper presented at the annual Duke Nicotine Research Conference, Durham, NC.
- McClernon, F. J.** (2006). *ADHD symptoms and smoking: From initiation to maintenance to cessation*. Paper presented at the annual Duke Nicotine Research Conference, Durham, NC.
- McClernon, F. J.** (2004, October). *The neurobiological basis of relations between drug craving and cue-reactivity: Findings from functional MRI studies*. Paper presented at the Duke Nicotine Research Conference, Chapel Hill, NC.

Selected Paper and Poster Presentations (Post 2000)

- McDonald, S. D., Lee, S. T., **McClernon, F. J.**, Dennis, M. F., Calhoun, P. S., Beckham J. C. (2008). Cigarette smoking modulates mood and attention in posttraumatic stress disorder. Paper presented at the annual meeting of The International Society for Traumatic Stress Studies, Chicago, IL.
- McClernon, F. J.** (2008). *Extinction-based smoking cessation treatment attenuates event-related brain responses to smoking cues: Results of a preliminary fMRI study*. Paper presented at the annual meeting of the College of Problems on Drug Dependence, San Juan, PR.

- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2008).** *Smoking abstinence results in decreased sustained but increased transient brain activity during a continuous working memory task.* Paper presented at the 2008 Annual Meeting of the Society for Research on Nicotine and Tobacco, Portland, OR.
- Froeliger, B. E., Kozink, R. V., Lutz, A. M., & Rose, J. E., & **McClernon, F. J. (2008).** *Functional connectivity between insula and the default network is decreased by smoking abstinence.* Poster presented at the 2008 Annual Meeting of the Society for Research on Nicotine and Tobacco, Portland, OR.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2008).** *Smoking abstinence decreases occipital/parietal and increases frontal brain activity during response inhibition.* Poster presented at the 2008 Annual Meeting of the Society for Research on Nicotine and Tobacco, Portland, OR.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2008).** *A comparison of sustained and transient neural responses to visual smoking cues: results of a mixed event-related/block fMRI experiment.* Poster presented at the 2008 Annual Meeting of the Society for Research on Nicotine and Tobacco, Portland, OR.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2007).** *Smoking abstinence alters event-related fMRI BOLD activation during response inhibition.* Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
- McClernon, F. J. & Rose, J. E. (2007).** *Extinction-based smoking cessation treatment attenuates event-related brain responses to smoking cues: Results of a preliminary fMRI study.* Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Fuemmeler, B. F., Roberts, M. E., **McClernon, F. J., & Beckham, J. C. (2007).** *Adverse childhood events are associated with obesity and disordered eating.* Poster presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- McClernon, F. J., Kozink, R. V., & Rose, J. E. (2007).** *Nicotine dependence and craving predict brain responses to smoking cues.* Poster presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2007).** *Effects of 24 hour smoking abstinence on sustained and event-related brain activity during continuous working memory: Preliminary results of an fMRI study.* Poster presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL.
- McClernon, F. J. (2007).** *fMRI studies of craving and cue reactivity: Elucidating the role of bottom-up and top-down neural networks.* Paper presented at the 2007 Annual Meeting of the Society for Research on Nicotine and Tobacco, Austin, TX.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2006).** *Effects of 24 hour smoking abstinence on sustained and event-related brain activity during continuous working memory: Preliminary results of an fMRI study.* Poster presented at the annual meeting of the American College for Neuropsychopharmacology, Hollywood, FL.
- McClernon, F. J., Kozink, R. V., Lutz, A. M., & Rose, J. E. (2006).** *Effects of 24 hour smoking abstinence on sustained attention: Preliminary results of an fMRI study.* Paper presented at the annual meeting of the Society for Psychophysiological Research, Vancouver, BC.

- Kollins, S. H., **McClernon**, F. J., & Fuemmeler, B. F. (2006). *ADHD symptoms predict smoking outcomes in an epidemiological sample*. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, San Diego, CA.
- McClernon**, F. J., Fuemmeler, B. F., Kollins, S. H., Kail, M. E., & Ashley-Koch, A. E. (2006). *Interactions between genotype and retrospective ADHD symptoms predict lifetime smoking risk in a community-based sample of young adults*. Paper presented at the meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.
- Fuemmeler, B. F., Agurs-Collins, T., Bergen, A., **McClernon**, F. J., Kollins, S. H., Kail, M. E., & Ashley-Koch, A. E. (2006). *Genes implicated in serotonergic and dopaminergic functioning interact with gender to predict BMI categories: Findings from a nationally representative sample of young adults*. Paper presented at the Duke Comprehensive Cancer Center Annual Meeting, Durham, NC.
- McClernon**, F. J., Hiott, F. B., Westman, E. C., Rose, J. E., & Levin, E. D. (2006). *Transdermal nicotine attenuates depression symptoms in non-smokers: A preliminary placebo controlled trial*. Poster presented at the 2006 Annual Meeting of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- McClernon**, F. J., Hiott, F. B., Liu, J., Salley, A. N., Behm, F. M., & Rose, J. E. (2006). *Extinction-based smoking cessation treatment attenuates event-related brain responses to smoking cues*. Poster presented at the 2006 Annual Meeting of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- Bush, C. A., Kollins, S. H., Fuemmeler, B. F., & **McClernon**, F. J. (2006). *Initial reactions to smoking predict risk for lifetime regular smoking in a population-based sample of young adults*. Poster presented at the 2006 Annual Meeting of the Society for Research on Nicotine and Tobacco, Orlando, FL.
- McClernon**, F. J., Fuemmeler, B. F., Kollins, S. H., Kail, M. E., & Ashley-Koch, A. E. (2005). *Interactions between genotype and retrospective ADHD symptoms predict smoking risk in a sample of young adults*. Poster presented at the Duke Nicotine Research Conference, Durham, NC.
- Bush, C. A., Kollins, S. H., Fuemmeler, B. F., & **McClernon**, F. J. (2005). *Initial reactions to smoking predict likelihood of lifetime regular use*. Poster presented at the Duke Nicotine Research Conference, Durham, NC.
- Okuyemi, K. S., Powell, J. N., Savage, C. R., Nollen, N. L., Hall, S. B., Holsen, L. M., **McClernon** F. J., & Ahluwalia, J. S. (2005). *Brain activation in response to smoking cues in African-American and Caucasian smokers and nonsmokers: An fMRI study*. Poster presented at the 2005 Annual Meeting of the Society for Neuroscience, Washington, DC.
- McClernon**, F. J., Rose, J. E., Hiott, F. B., & Liu, J. (2005). *Extinction-based smoking cessation treatment attenuates event-related brain responses to smoking cues*. Poster presented at the meeting of the College on Problems of Drug Dependence, Orlando, Florida.
- Kollins, S. H., Fuemmeler, B. F., & **McClernon**, F. J. (2005). *Nicotine dependence is more strongly associated with ADHD inattention symptoms than hyperactive/impulsive symptoms in a nationally representative sample of young adults*. Poster presented at the meeting of the College on Problems of Drug Dependence, Orlando, Florida.
- McClernon**, F. J., Hiott, F. B., Huettel, S. A., & Rose, J. E. (2005). *Abstinence-induced changes in self-reported craving are correlated with changes in brain responses to smoking cues: An*

event-related fMRI study. Paper presented at the 2005 Annual Meeting 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 2005 Annual Meeting of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.
- Beckham, J. C., Feldman, M. E., Vrana, S. R., & **McClernon**, F. J. (2005). *Cigarette smoking and script-driven imagery in smokers with and without post-traumatic stress disorder*. Poster presented at the 2005 Annual Meeting of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.
- Okuyemi, K. S., Savage, C. R., Nollen, N. L., Powell, J. N., Hall, S. B., Holsen, L. M., **McClernon** F. J., & Ahluwalia, J. S. (2005). *Differences in brain activation between African Americans and Caucasians during cigarette craving: a functional MRI study*. Poster presented at the 2005 Annual Meeting of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.
- Yancy, W. S., **McClernon**, F. J., & Westman, E. C. (2004). *Mood-related symptoms in participants following a low-carbohydrate diet*. Poster presented at the meeting of the North American Association for the Study of Obesity, Las Vegas, NV.
- Kollins, S. H., **McClernon**, F. J., & Fuemmeler, B. (2004, June). *Smoking is significantly associated with self-reported ADHD symptoms in an epidemiological sample of young adults*. Paper presented at the meeting of the College on Problems of Drug Dependence, San Juan, Puerto Rico.
- McClernon**, F. J., Hiott, F. B., Huettel, S. A., Wong, J. & Rose, J. E. (2004, February). *Smoking deprivation and satiety alter thalamic responses to smoking and control cues: An fMRI investigation*. Poster presented at the meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.
- McClernon**, F. J., Rose, J. E., & Hiott, F. B. (2004, February). *Mecamylamine enhances cue-induced mood in nicotine deprived smokers*. Paper presented at the meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.
- Conklin, C. A., Perkins, K. A., **McClernon**, F. J., Robin, N. (2004, February). *Distal smoking cues: Environments as cues to smoke*. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ.
- McClernon**, F. J., Behm, F. M., & Rose, J. E. (2003, February). *The effects of nicotine and mecamylamine pretreatment on cognitive performance in a sample of smokers*. Poster presented at the meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
- McClernon**, F. J., Beckham, J. C., Mozley, S. L., Feldman, M. E., & Rose, J. E. (2003, February). *The effects of trauma recall on smoking topography in PTSD and non-PTSD trauma survivors*. Paper presented at the meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
- McClernon**, F. J. (2002, October). *Content and Context: Additional Sources of Variability in Affective Picture Processing ERPs?* Poster presented at the meeting of the Society Psychophysiological Research, Washington, DC.

- McClernon, F. J.,** McCarthy, D., Kazanziyan, R., Grochowalska, A., Green, J., Rose, J. E., & McCarthy, G. (2002, February). *Reactivity to smoking related cues in deprived and non-deprived smokers: Preliminary evidence from an event-related fMRI study*. Poster presented at the meeting 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 meeting of the Society for Research on Nicotine and Tobacco, Savannah, GA.
- Drobes, D. J., **McClernon, F. J.,** Fiero, P. L., Saladin, M. E., & Malcolm, R. J. (2001, October). *Prepulse inhibition as a marker for genetically-mediated smoking risk*. Poster presented at the meeting of the Society for Psychophysiological Research, Montreal, Quebec.
- Drobes, D. J., **McClernon, F. J.,** Saladin, M. E., Fiero, P. L., & Malcolm, R. J. (2001, March). *Intravenous nicotine alters sensory and attentional processes in non-smokers*. Paper presented at the 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*. Paper presented at the 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 at the meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA.

Professional Affiliations

Full Member	Society for Research on Nicotine and Tobacco
Full Member	American Psychological Association
Full Member	Society for Neuroscience
Associate Member	College of Problems on Drug Dependence
Full Member	Society for Psychophysiological Research
Member	NIDA Neuroimaging Research Interest Group

Other Professional Activities

Journal Review

Editorial board	<i>Substance Abuse: Research and Treatment</i>
Ad hoc reviewer	<i>Addictive Behaviors</i> <i>Addiction</i> <i>Archives of General Psychiatry</i> <i>Biological Psychiatry</i> <i>Drug and Alcohol Dependence</i> <i>International Journal of Psychophysiology</i> <i>International Journal of Neuropsychopharmacology</i> <i>Neuroimage</i> <i>Neuropsychopharmacology</i> <i>Nicotine and Tobacco Research</i> <i>Pharmacology, Biochemistry and Behavior</i> <i>Progress in Neuro-Psychopharmacology & Biological Psychiatry</i> <i>Psychopharmacology</i>

*Psychophysiology***Grant Review**

- May 2005 ad hoc reviewer, National Institute on Drug Abuse (RFA-DA-05-004)
Lapse or Relapse to Drug Abuse and Other Chronic Conditions
- 2005-2007 ad hoc reviewer, National Institute on Drug Abuse (I/START)
Imaging - Science Track Award for Research Transition
- June 2006 ad hoc reviewer, National Institutes of Health
Adult Psychopathology and Disorders of Aging (APDA) SRG
- June 2006 ad hoc reviewer, National Institutes of Health
Biobehavioral and Behavioral Processes (BBBP) IRG
- March 2007,
March 2008 ad hoc reviewer, National Institutes of Mental Health
Translational Research in Integrative Behavioral Science (ZMH1 ERB-C)
- June 2007,
February 2008 ad hoc reviewer, National Institutes of Health
Biobehavioral Regulation, Learning and Ethology (BRLE)

Other Review

- 2002-2005 Judge, MUSC Psychology Intern Paper Competition
- 2003-2005 Poster Judge, North Carolina Psychology Conference
- 2001-present abstract reviewer, *Society for Research on Nicotine and Tobacco*
- 2007-2008 abstract reviewer, *Society for Psychophysiological Research*

Certification/Training

- June 2002 APA fMRI Advanced Training Institute - Mass. General Hospital
- 2003-present Licensed Psychologist (#2887), North Carolina