

Name: Kevin M. Gray, M.D.

Birth Date: November 12, 1974

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Citizenship and/or Visa Information: USA

Education:

Institution/Location	Years	Degree/Date	Field of Study
Clemson University/Clemson SC	1992-1996	B.S./May 1996	Chemical Engineering
MUSC/Charleston SC	1996-2000	M.D./May 2000	Medicine

Internship: MUSC (Psychiatry) July 2000 – June 2001

Residencies or Post Doctoral: MUSC (Psychiatry) July 2000 – June 2004
Chief Resident July 2003 – June 2004

MUSC (Child & Adolescent Psychiatry) July 2003 – June 2005
Chief Fellow July 2004 – June 2005

Specialty/Board Certification: Psychiatry (Certificate 54724) **Date:** April 2005

Child & Adolescent Psychiatry (Certificate 6470) **Date:** November 2008

Licensure: South Carolina State Medical License

Drug Enforcement Agency Medical License

Department of Health and Environmental Control Medical License

Date: Licensed physician since 2000

Military Service: None

Faculty Appointments:

Years	Rank	Institution	Department
2005 – 2010	Assistant Professor	MUSC	Psychiatry and Behavioral Sciences
2011 – present	Associate Professor	MUSC	Psychiatry and Behavioral Sciences

Administrative Appointments:

Years	Position	Institution/Department
2009 – Present	Vice Chair, Credentials Committee	MUSC (Entire Hospital)
2005 – Present	Clinical Director for Dual Diagnosis Day Treatment Programming	MUSC/Psychiatry

Hospital Appointments/Privileges:

Years	Active/Inactive	Institution
2005 – Present	Active	MUSC

Membership in professional/scientific societies (include offices held):

National Societies

American Academy of Child and Adolescent Psychiatry
Member, Substance Abuse and Addictions Committee

Society for Research on Nicotine and Tobacco

Local Societies

South Carolina Council for Child and Adolescent Psychiatry

Editorial Positions:

Invited Peer Reviewer for *Addiction, Addictive Behaviors, American Journal on Addictions, Archives of General Psychiatry, Current Psychiatry, Drug and Alcohol Dependence, Experimental and Clinical Psychopharmacology, European Psychiatry, Human Psychopharmacology: Clinical and Experimental, International Journal of Psychiatry in Medicine, Journal of the American Academy of Child and Adolescent Psychiatry, Nicotine & Tobacco Research, Psychology of Addictive Behaviors, and Psychopharmacology*

Extramural Grants/award amount (current and past):

As Principal Investigator (% time)

- 2009 – present A Controlled Trial of N-Acetylcysteine (NAC) in Cannabis Dependent Adolescents (R01 DA 026777) – 40% Effort
- 2008 – present Menstrual Cycle Effects on Smoking Cessation and Cue Reactivity
Component #4 of ORWH: SCOR on Sex and Gender Factors Affecting Women's Health (P50 DA 016511) – 15% Effort
Co-PI with Michael E. Saladin, Ph.D.
- 2008 – 2009 Combined Pharmacologic-Behavioral Therapy in Adolescent Smokers (R01 DA 17460) – Effort was subsumed under K12 award; took on PI role upon departure of Himanshu Upadhyaya, M.B.B.S., M.S., from MUSC in summer 2008
- 2005 – 2009 American Academy of Child and Adolescent Psychiatry
National Institute on Drug Abuse
Physician Scientist Program in Substance Abuse K12 Award (K12 DA 000357) – 75% Effort
- 2004 – 2005 Marijuana Cue Reactivity and Medication in Adolescents
American Academy of Child and Adolescent Psychiatry Pilot Research Award – No salary support; \$9,000 Award

As Co-Investigator (% time)

- 2011 – present Quantitative MRI of Microstructure and Iron Homeostasis in ADHD Brain (R01 EB 007656) – 5% Effort
PI is Joseph Helpert, Ph.D.
- 2009 – present Treatment Implications of Trauma Memory Modulation for PTSD & Alcohol Dependence (RC1 AA 019019) – 15% Effort
PI is Michael Saladin, Ph.D.
- 2009 – present Buspirone Treatment of Marijuana Dependence (R01 DA 026782) – 10% Effort
PI is Aimee McRae-Clark, Pharm.D.
- 2008 – present A Novel Treatment to Boost Quit Attempts and Cessation Among Unmotivated Smokers (R01 DA 021619) – 10% Effort
PI is Matthew Carpenter, Ph.D.
- 2008 – present Treatment Implications of Beta-blockade Effects on Memory for Cocaine Craving (R21 DA 025155) – No Salary Support
PI is Michael E. Saladin, Ph.D.
- 2008 – present A Pilot RCT to Examine a Potentially Reduced Exposure Tobacco Product (Prevent Cancer Foundation) – No Salary Support
PI is Matthew Carpenter, Ph.D.

Intramural Grants/amount of award:

- 2010 – present Assessing the Impact of Pictorial Health Warning Labels on Cigarette Packages: Implications for FDA Policy Development and Smoking-Related Health Disparities
MUSC CTSA Pilot Research Award
Role: Co-Investigator
PI is James Thrasher, Ph.D.
- 2008 – 2010 A Pilot Randomized Controlled Trial of Varenicline Versus Bupropion XL in Adolescent Smokers – No Salary Support; \$15,000 Award

Hollings Cancer Center Pilot Research Award
Co-PI with Matthew Carpenter, Ph.D.

Awards, Honors, Membership in Honorary Societies:

National

- 2008 College on Problems of Drug Dependence
Early Career Investigator Travel Award
- 2007 American Psychiatric Association
American Psychiatric Institute for Research and Education
APA Research Colloquium for Early Investigators
- 2006 Future Leaders in Psychiatry
- 2004 American Academy of Child and Adolescent Psychiatry
Outstanding Child and Adolescent Psychiatry Resident Award
- 2004 American Academy of Child and Adolescent Psychiatry
Early Investigators Group
- 2003 American Psychiatric Association
Executive Leadership Program

University

- 2010 MUSC Physician of the Month (May)
- 2000 -2001 Golden Apple Excellence in Teaching Award Finalist
Sole finalist among psychiatry residents in this university-wide award selection process

Department

- 2007 Golden Apple Teaching Award
Recognized for outstanding first year medical student didactic teaching in the second semester of Doctoring Curriculum
- 2007 Circle of Excellence Didactic Teaching Award
Recognized for outstanding first year medical student didactic teaching in the first semester of Doctoring Curriculum
- 2007 Circle of Excellence Clinical Teaching Award
Recognized for outstanding third year medical student clinical teaching during the psychiatry clerkship
- 2004, 2005 Circle of Excellence Didactic Teaching Award
Recognized for outstanding fourth year medical student didactic teaching by a resident
- 2004 Circle of Excellence Clinical Teaching Award
Recognized for outstanding fourth year medical student clinical teaching by a resident

Academic Committee Activities (past 5 years):

National

- 2006 - present American Academy of Child and Adolescent Psychiatry
Substance Abuse and Addictions Committee

University

- 2010 - present Medical Executive Committee
2007 - present Credentials Committee
Chair 2010 - present

College

- 2007 - present College of Medicine

Interviewer for medical school applicants
(interviewed 27 candidates in most recent cycle)

Department

2011 – present Research Executive Committee
2007 – present Executive Committee on Education and Training Programs
2007 – present Grand Rounds Committee
2006 – present Residency Curriculum Committee
 Coordinator of PGY-4 Curriculum
2003 – 2004 Medical Student Education Committee
2002 – present Resident Education Committee
2000 – present Resident Selection Committee

Division

2003 – present Youth Division Resident Education Committee

Major Teaching Responsibilities (Current):

Undergraduate Medical Education

2011 Research Mentor for Fourth-Year Medical Student
 (Patrick Harmon)
2010 Research Mentor for Fourth-Year Medical Student
 (Denise Michaelsen)
2010 Drug Abuse Research Training (DART) Program
 Research Mentor for Rising Second-Year Medical Student (Candice Whitaker)
2009 Drug Abuse Research Training (DART) Program
 Research Mentor for Rising Second-Year Medical Student (Valerie Fritsch)
2009 Research Mentor for Fourth-Year Medical Student
 (Raviv Berlin)
2005 – present Day treatment and inpatient clinical supervision of medical students
2003 - 2008 College of Medicine
 Doctoring Curriculum Faculty Facilitator/Instructor
2003-2005 Didactic instructor for all fourth-year medical students during psychiatry rotation
2000 - 2005 Evaluator and teacher for third-year medical students in standardized psychiatric
 patient encounters
2000-2002 College of Medicine Parallel Curriculum
 Evaluator, teacher, and facilitator for first- and second-year medical students in basic
 science, physical diagnosis, and clinical reasoning

Graduate Medical Education

2010 – present Primary Mentor for American Academy of Child and Adolescent Pilot Research
 Award project conducted by A. Lee Lewis, M.D.
2008 – 2010 Drug Abuse Research Training (DART) Program
 Research Mentor for Psychiatry Resident
 (A. Lee Lewis, M.D.)
2006 – present Curriculum Director for Fourth Year Psychiatry Residents
2005 – present Year-long individual supervisor for a second-year psychiatry resident
 (current supervisee is Amanda Roten, M.D.)

- 2005 – present Day treatment and inpatient clinical supervision of psychiatry residents and child and adolescent psychiatry fellows
- 2005 – present Didactic series for child and adolescent psychiatry fellows
- 2005 – present Journal Club for child and adolescent psychiatry fellows
- 2005 – present Board review series for psychiatry residents
- 2003–2004 Year-long individual supervisor for a first-year psychiatry resident (Bryan Tolliver, M.D., Ph.D.)

Graduate Studies Education

Continuing Medical Education

- 2007 – present Grand Rounds Committee, Youth Division Representative

See *Invited Lectures and Presentations* (all were conducted as CME activities)

Major Clinical Interests and Responsibilities:

- 2005 – present STAR North Children’s Day Treatment Program
Providing comprehensive treatment services for adolescents with severe, chronic behavioral and psychiatric disorders.
Developing and implementing dual diagnosis treatment services for adolescent patients with co-morbid substance use disorders.
- 2005 – present Youth Outpatient Clinic
Providing outpatient care (psychotherapy and pharmacotherapy) for children and adolescents with complex presentations. Clinical effort has particularly focused on adolescents with co-morbid psychiatric and substance use disorders.
- 2005 – present Youth Inpatient Service
Providing psychiatric care during weekends and holidays to psychiatrically hospitalized children and adolescents.
- 2005 – present Adult Inpatient Services
Providing psychiatric care during weekends and holidays for adult patients on multiple services (Acute Stabilization Unit, Center for Drug and Alcohol Programs, General Adult Unit).

Lectures and Presentations

Invited lectures and presentations

- Gray KM.** “Growing Up in Smoke: Challenges and Developments in Adolescent Smoking Cessation Research.” Grand Rounds, MUSC Department of Psychiatry and Behavioral Sciences, Charleston SC, March 4, 2011.
- Gray KM.** “Quittin’ Time: Developing Innovative Treatments for Adolescent Smoking Cessation.” Hollings Cancer Center, Cancer Prevention and Control Research Meeting, Charleston SC, September 16 2010.
- Gray KM.** “The Adolescent Mind: Precursor to High Risk Drinking.” Southern Collegiate Health Association Annual Meeting, Columbia SC, March 12 2010.
- Gray KM.** “Adolescent Substance Abuse: Practical Strategies for Screening, Assessment, and Management.” Update in Child and Adolescent Psychiatry Conference, MUSC Department of Psychiatry and Behavioral Sciences, Charleston SC, November 6 2009.
- Gray KM.** “The Perfect Storm: Navigating Adolescent Substance Abuse.” South Carolina School of Alcohol and Other Drug Studies, Physician Track, Furman University, Greenville SC, July 13 2009.
- Gray KM.** “Adolescent Marijuana Use: From Research to Pediatric Practice.” Grand Rounds, MUSC Department of Pediatrics, Charleston SC, March 14 2008.
- Gray KM.** “Marijuana Use and Psychopathology in Adolescents: Implications for Treatment and Prevention.” Day of Discovery, MUSC Department of Psychiatry and Behavioral Sciences, Charleston SC, January 11 2007.

Submitted presentations (e.g., abstract or paper presentations)

- Carpenter MJ, Alberg AJ, **Gray KM**, Saladin ME, Hughes JR. Cessation induction for unmotivated smokers: A randomized clinical trial of NRT sampling. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Carpenter MJ, Alberg AJ, **Gray KM**, Saladin ME, Hughes JR. Effectiveness of referrals to quitlines in a real-world setting. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Carpenter MJ, Wahlquist AE, Alberg AJ, **Gray KM**, Saladin ME. To quit or not to quit: Reach and enrollment of a nationwide clinical trial. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Gray KM**, Riggs PD, Min SJ, Mikulich-Gilbertson SK, Bandyopadhyay D, Winhusen T. Trajectories of nicotine and cannabis use among adolescents in treatment for attention-deficit/hyperactivity disorder and substance use disorders. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Gray KM**, Lewis AL, Carpenter MJ, Klintworth EM, Upadhyaya HP. Varenicline versus bupropion XL for adolescent smoking cessation: A randomized, double-blind pilot study. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Gray KM**, Carpenter MJ, Farber SM, Lydiard JB. Cigarette smoking and motivation to quit among adolescents enrolling in a cannabis cessation treatment study. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Hartwell KJ, **Gray KM**, Saladin ME, Shaftman SR, McCullough SA, Klintworth EM, Carpenter MJ, Schiller C. Body composition and metabolic rate changes in women during a smoking cessation attempt. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 17, 2011.
- Saladin ME, **Gray KM**, Carpenter MJ, Hartwell KJ, Shaftman SR, McCullough SA, Klintworth EM, Schiller C. Do measures of ovarian hormones predict smoking cue-elicited craving? Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 18, 2011.
- Schiller CE, Saladin ME, **Gray KM**, Shaftman SR, McCullough SA, Klintworth EM, Hartwell KJ, Carpenter MJ. Changes in ovarian hormones predict smoking cessation in women. Society for Research on Nicotine and Tobacco 17th Annual Meeting, Toronto, Canada, February 18, 2011.
- Gray KM**, Hartwell KJ, Saladin ME, Carpenter MJ, Shaftman SR, McCullough SA, Klintworth EM. Varenicline, Nicotine Patch, and Body Composition During a Smoking Cessation Trial in Women. Seventh Annual Interdisciplinary Women's Health Research Symposium, National Institutes of Health, Bethesda, MD, November 2010.
- Gray KM**, Riggs PD, Winhusen T, Min SJ, Mikulich SK. Nicotine and Cannabis Use Trajectories Among Adolescents in Treatment for ADHD and Substance Use Disorders. American Academy of Child and Adolescent Psychiatry Annual Meeting, New York, NY, October 2010.
- Lewis AL, **Gray KM**, Carpenter MJ, Klintworth EM, Upadhyaya HP. A Randomized Double Blind Pilot Study of the Safety and Efficacy of Varenicline Vs. Bupropion XL in Adolescent Smokers. American Academy of Child and Adolescent Psychiatry Annual Meeting, New York, NY, October 2010.
- Gray KM**, LaRowe SD, Watson NL, Carpenter MJ. Reactivity to *In Vivo* Marijuana Cues Among Treatment-Seeking Cannabis Dependent Adolescents. International Cannabinoid Research Society Annual Meeting, Lund, Sweden, July 2010.
- Gray KM**, Saladin ME, Carpenter MJ, Hartwell KJ. Body Composition and Metabolic Changes in Women Smokers During a Cessation Attempt. College for Problems on Drug Dependence Annual Meeting, Scottsdale, AZ, June 2010.
- Carpenter MJ, Alberg AJ, **Gray KM**, Saladin ME. Methods to Efficiently Recruit and Effectively Retain Unmotivated Smokers in a Nationwide Randomized Clinical Trial. College for Problems on Drug Dependence Annual Meeting, Scottsdale, AZ, June 2010.

- Saladin ME, **Gray KM**, Carpenter MJ, Hartwell KJ, Smith VA, LaRowe SD. Pretreatment Craving and Cue Reactivity as Predictors of Smoking Topography. Society for Research on Nicotine and Tobacco Annual Meeting, Baltimore MD, February 2010.
- Gray KM**, Baker NL, Carpenter MJ, Lewis AL, Upadhyaya HP. A Randomized, Double-Blinded, Placebo-Controlled Trial of Bupropion SR, With and Without Contingency Management, for Smoking Cessation in Adolescents. American Academy of Child and Adolescent Psychiatry Annual Meeting, Honolulu HI, October 2009.
- Lewis AL, **Gray KM**, Baker NL, Carpenter MJ, Upadhyaya HP. Getting Off on a Good Foot: Does Abstinence on a Pre-Determined Quit Date Guarantee Anything in Adolescent Smokers? American Academy of Child and Adolescent Psychiatry Annual Meeting, Honolulu HI, October 2009.
- Upadhyaya HP, **Gray KM**, Carpenter MJ, Baker NL. Bupropion SR and Contingency Management for Nicotine Dependence. American Academy of Child and Adolescent Psychiatry Annual Meeting, Honolulu HI, October 2009.
- Baker NL, **Gray KM**. *Jittering: A SAS® Macro to Shift Overlapping Plots*. Proceedings of the Southeast SAS Users Group (SESUG) 2009 Conference; Statistics and Data Analysis Paper 002 (SD-002). Cary, NC: SAS Institute Inc.
- Gray KM**, Carpenter MJ, Baker NL, Klintworth EM, Leinbach AS, Upadhyaya HP. Bupropion SR and Contingency Management in Adolescent Smokers: Main Findings. College on Problems of Drug Dependence Annual Meeting, Reno NV, June 2009.
- Carpenter MJ, Baker NL, **Gray KM**, Lewis AL, Klintworth E, Leinbach A, Upadhyaya HP. Assessment of Nicotine Dependence Among Adolescent Smokers: A Comparison of Measures. College on Problems of Drug Dependence Annual Meeting, Reno NV, June 2009.
- Lewis AL, **Gray KM**, Carpenter MJ, Baker NL, Klintworth EM, Leinbach AS, Upadhyaya HP. Attention-Deficit/Hyperactivity Disorder (ADHD) and Nicotine Withdrawal Symptoms Among Treatment-Seeking Adolescent Smokers. College on Problems of Drug Dependence Annual Meeting, Reno NV, June 2009.
- Watson NL, Carpenter MJ, Saladin ME, **Gray KM**, McCullough SA, Klintworth EM, Horne CE, Upadhyaya HP. Could low dependent smokers be more cue reactive than high dependent smokers? College on Problems of Drug Dependence Annual Meeting, Reno NV, June 2009.
- Gray KM**, Carpenter MJ, Baker NL, Lewis AL, Upadhyaya HP. Do Adolescent Smokers with Attention-Deficit/Hyperactivity Disorder (ADHD) Have Greater Withdrawal Symptoms? Society for Research on Nicotine and Tobacco Annual Meeting, Dublin, Ireland, April 2009.
- Carpenter MJ, Saladin ME, DeSantis S, **Gray KM**, Upadhyaya HP. Cue elicited craving and its relationship to smoking. Society for Research on Nicotine and Tobacco Annual Meeting, Dublin, Ireland, April 2009.
- Saladin ME, Carpenter MJ, **Gray KM**, DeSantis SM, Upadhyaya HP. Gender differences in reactivity to smoking and stress cues. Society for Research on Nicotine and Tobacco Annual Meeting, Dublin, Ireland, April 2009.
- Gray KM**, Christie DK, Carpenter MJ, LaRowe SD, Malcolm RJ, Kalivas PW, Upadhyaya HP. Open-Label Oral N-Acetylcysteine (NAC) in Cannabis Dependent Adolescents: Preliminary Findings. American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago IL, November 2008.
- Gray KM**. Coordinating substance use treatment: What should a child and adolescent psychiatrist do? Clinical Perspectives: □ *Assessment, Coordination of Care, and Clinical Considerations in Management of Substance Use Disorders in Adolescents* (Upadhyaya HP, Chair). American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago, IL, November 2008.
- Upadhyaya HP, **Gray KM**, Carpenter MJ, Gilbert G. Correlates of ADHD Comorbidity Among Adolescent Smokers. American Academy of Child and Adolescent Psychiatry Annual Meeting, Chicago IL, October 2008.
- Gray K**, Carpenter M, Upadhyaya H, Gilbert G. Does Contingency Management Improve Study Retention and Outcomes in Adolescent Smoking Cessation Research? College on Problems of Drug Dependence Annual Meeting, San Juan PR, June 2008.

- Upadhyaya H, **Gray K**, Carpenter M, Gilbert G. Correlates of ADHD Comorbidity Among Adolescent Smokers. College on Problems of Drug Dependence Annual Meeting, San Juan PR, June 2008.
- Leinbach A, Upadhyaya H, Carpenter M, **Gray K**, Gilbert G. Physician continuity and treatment outcome in an adolescent smoking cessation study. College on Problems of Drug Dependence Annual Meeting, San Juan PR, June 2008.
- Upadhyaya H, **Gray K**, Carpenter M, Gilbert G. Characteristics and Comorbidities of Adolescents Entering a Smoking Cessation Study. Society for Research on Nicotine and Tobacco 14th Annual Meeting, Portland OR, February 2008.
- Upadhyaya H, **Gray K**, Carpenter M, Gilbert G. Contingency Management in an Adolescent Smoking Cessation Medication Trial: Retention and Outcomes. Society for Research on Nicotine and Tobacco 14th Annual Meeting, Portland OR, February 2008.
- Gray KM**, Christie D, Hart CL, Upadhyaya HP. Can Oral THC be Used to Study Adolescent Marijuana Smokers? American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts, October 27, 2007.
- Gray KM**, Upadhyaya HP, Carpenter MJ, Gilbert G. Contingency Management in Adolescent Smoking Cessation: Retention and Outcomes. American Academy of Child and Adolescent Psychiatry Annual Meeting, Boston, Massachusetts, October 27, 2007.
- Gray KM**, Christie D, Hart CL, Upadhyaya HP. Tolerability and Effects of Oral THC in Older Adolescents with Cannabis Use Disorders. College on Problems of Drug Dependence Annual Meeting, Quebec City, Canada, June 21, 2007.
- Hiott DW, Upadhyaya H, **Gray K**. Prevalence of Attention Deficit Hyperactivity Disorder in Young Smokers Presenting for a Smoking Cessation Study. College on Problems of Drug Dependence Annual Meeting, Quebec City, Canada, June 18, 2007.
- Upadhyaya H, Hiott DW, **Gray K**, Carpenter M, Simpson A, Frattaroli G. Safety & Feasibility of Atomoxetine for Smoking Cessation in Young Smokers with and without ADHD: A Pilot Study. College on Problems of Drug Dependence Annual Meeting, Quebec City, Canada, June 18, 2007.
- Gray KM**, Upadhyaya HP. Marijuana Use, Craving, and Withdrawal in Older Adolescent Non-Treatment Seekers. American Academy of Child and Adolescent Psychiatry Annual Meeting, San Diego, California, October 28, 2006.
- Gray KM**, LaRowe SD, Upadhyaya HP. Marijuana Cue Reactivity in Adolescents: A Pilot Investigation. College on Problems of Drug Dependence Annual Meeting, Scottsdale, Arizona, June 2006.
- Gray KM**, Upadhyaya HP. Tolerability and Effects of Dronabinol in Adolescents with Cannabis Use Disorders: A Research Proposal. Future Leaders in Psychiatry, Miami, Florida, May 2006.
- Upadhyaya HP, Carpenter M, Hiott DW, **Gray K**, Deas D, Jastrab J, Mazarulli A. Recruitment: referral sources of adolescent and young adult smokers for research studies. Society for Research on Nicotine and Tobacco Annual Meeting, Orlando, Florida, February 2006.
- Gray KM**, Upadhyaya HP, LaRowe SD. Marijuana Cue Reactivity and Medication in Adolescents: A Pilot Investigation. American Academy of Child and Adolescent Psychiatry Annual Meeting, Toronto, October 22, 2005.

Extramural Professional Activities:

Community Service:

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|----------------|--|
| 2011 – present | Mentor for Academic Magnet High School student on senior research project (Sumi Mahajan) |
| 2009 | Women Leading Wellness: “Women as Mothers: Talking to Your Teen About Drugs, Drinking, and Sex.” Panelist/speaker for community forum on November 11, 2009 |
| 2007 – 2008 | MUSCHealth.com Podcasts
Interviewer and discussant on podcasts, with a focus on educating the public on mental health issues |

2006 – 2007

Mentor for two Academic Magnet High School students on senior research projects (Jodi Singleton and Kim Beier)

Publications:

Peer Reviewed Journal Articles: Published or accepted for publication in final form

- Gray KM**, Riggs PD, Min SJ, Mikulich-Gilbertson SK, Bandyopadhyay D, Winhusen T (in press). Cigarette and cannabis use trajectories among adolescents in treatment for attention-deficit/hyperactivity disorder and substance use disorders. *Drug and Alcohol Dependence*.
- Gray KM**, Carpenter MJ, Baker NL, Hartwell KJ, Lewis AL, Hiott DW, Deas D, Upadhyaya HP (2011). Bupropion SR and contingency management for adolescent smoking cessation. *Journal of Substance Abuse Treatment*, 40, 77-86. PMID: PMC2997899.
- Gray KM**, LaRowe SD, Watson NL, Carpenter MJ (2011). Reactivity to *in vivo* marijuana cues among cannabis dependent adolescents. *Addictive Behaviors*, 36, 140-143. PMID: PMC2981614.
- Carpenter MJ, Baker NL, **Gray KM**, Upadhyaya HP (2010). Assessment of nicotine dependence among adolescent and young adult smokers: A comparison of measures. *Addictive Behaviors*, 35, 977-982. PMID: PMC2919624.
- Gray KM**, Baker NL, Carpenter MJ, Lewis AL, Upadhyaya HP (2010). Attention-deficit/hyperactivity disorder (ADHD) confounds nicotine withdrawal self-report in adolescent smokers. *American Journal on Addictions*, 19, 325-331. PMID: PMC2911152.
- Carpenter MJ, Alberg AJ, **Gray KM**, Saladin ME (2010). Motivating the unmotivated for health behavior change: A randomized trial of cessation induction for smokers. *Clinical Trials*, 7, 157-166. PMID: PMC2902976.
- Watson NL, Carpenter MJ, Saladin ME, **Gray KM**, Upadhyaya HP (2010). Evidence for greater cue reactivity among low-dependent vs. high-dependent smokers. *Addictive Behaviors*, 35, 673-677. PMID: PMC2856788.
- Gray KM**, Watson NL, Carpenter MJ, LaRowe SD (2010). N-acetylcysteine (NAC) in young marijuana users: An open-label pilot study. *American Journal on Addictions*, 19, 187-189. PMID: PMC2826714
- Gray KM**, DeSantis SM, Carpenter MJ, Saladin ME, LaRowe SD, Upadhyaya HP (2010). Menstrual cycle and cue reactivity in women smokers. *Nicotine & Tobacco Research*, 12, 174-178. PMID: PMC2816193
- Carpenter MJ, **Gray KM** (2010). A pilot randomized study of smokeless tobacco use among smokers not interested in quitting: Changes in smoking behavior and readiness to quit. *Nicotine & Tobacco Research*, 12, 136-143. PMID: PMC2816197
- Carpenter MJ, Saladin ME, DeSantis S, **Gray KM**, LaRowe SD, Upadhyaya HP (2009). Laboratory-based, cue-elicited craving and cue reactivity as predictors of naturally occurring smoking behavior. *Addictive Behaviors*, 34, 536-541. PMID: PMC2685198
- Gray KM**, Upadhyaya HP (2009). Tobacco smoking in individuals with attention-deficit/hyperactivity disorder: epidemiology and pharmacological approaches to cessation. *CNS Drugs* 23, 1-8. PMID: PMC2782603
- Gray KM**, Watson NL, Christie DK (2009). Challenges in quantifying marijuana use. *American Journal on Addictions* 18(2), 178-179. PMID: PMC2688383
- Gray KM**, LaRowe SD, Upadhyaya HP (2008). Cue reactivity in young marijuana smokers: a preliminary investigation. *Psychology of Addictive Behaviors* 22(4):582-586. PMID: PMC2605672
- Gray KM**, Hart CL, Christie DK, Upadhyaya HP (2008). Tolerability and effects of oral Δ^9 -tetrahydrocannabinol in older adolescents with marijuana use disorders. *Pharmacology Biochemistry and Behavior* 91(1), 67-70. PMID: PMC2567109
- Gray KM**, Upadhyaya HP, Deas D, Brady KT (2006). Advances in diagnosis of adolescent substance abuse. *Adolescent Medicine Clinics* 17(2), 411-425.
- Beischel CJ, **Gray K**, Hazard ES 3rd, Knapp DR, Crouch RK (1994). Evaluation of photoaffinity labeled sites of bacteriorhodopsin using molecular modeling. *Biochemistry and Molecular Biology International* 32(5), 933-939.

Non- Peer Reviewed: Published non-peer reviewed journal articles

Gray KM, Schuyler D (2003). Conquering an Unmasked Social Phobia. *Primary Care Companion Journal of Clinical Psychiatry*, 5, 137-138.

Chapters in Scholarly Books and Monographs:

Upadhyaya HP, **Gray KM** (2009). Adolescent Substance Use and the Role of Gender. Chapter in *Women and Addiction*. Guilford Press, New York, NY.

Deas D, **Gray K**, Upadhyaya H (2007). Evidence-Based Treatments for Adolescent Substance Use Disorders. In: Steele RG, Elkin TD, Roberts MC (Eds.), *Handbook of Evidence-Based Therapies for Children and Adolescents*. Springer, New York, NY.

Kruesi MJP, **Gray K** (2005). Conduct Disorder and Sociopathy. In: Coffey, C.E., Brumback, R.A. (Eds.), *Pediatric Neuropsychiatry*. Lippincott Williams & Wilkins, Baltimore, MD.

Non-Peer Reviewed Electronic Publications:

Gray KM, Upadhyaya HP (2007). The impact of stimulant abuse, misuse, and diversion on clinical practice. *Medscape*.

Upadhyaya HP, Fields MC, **Gray KM** (2006). Pediatric bipolar disorder. *eMedicine*.

Other Publications: (e.g., newspapers and magazines)

Gray KM (2008). Adolescent marijuana use and psychiatric disorders. *Paradigm*, 13, 8-9.

Gray KM (2007). Marijuana use, withdrawal, and craving in adolescents. *Psychiatric Times*, 24, 57-58.