

KRISTA M. LISDAHL, Ph.D.

(formerly Krista Lisdahl Medina)

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EDUCATION

2005 - 2007	Fellowship	Neuropsychology, Neuroimaging and Addiction, Department of Psychiatry, University of California, San Diego, CA.
2004-2005	Internship	Clinical Psychology, Neuropsychology Specialty (Pediatric and Adult), University of Arizona Health Sciences Center, Tucson, AZ.
1999-2005	Ph.D.	Psychology, Clinical Neuropsychology Track, University of Cincinnati, Ohio.
1999-2002	M.A.	Psychology, Clinical Neuropsychology Track, University of Cincinnati, Ohio.
1994-1998	B.A.	Psychology, Summa Cum Laude, University of Minnesota, Minneapolis, MN.

PROFESSIONAL POSITIONS

2014-current	<u>Associate Professor</u> (with tenure), Department of Psychology, Clinical Psychology Core and Neuroscience Associate Member Faculty, University of Wisconsin-Milwaukee.
2014-present	<u>Adjunct Associate Professor</u> , Clinical & Translational Science Institute, Medical College of Wisconsin.
2011-present	<u>Licensed Clinical Psychologist</u> , Clinic Supervisor (on-call), Department of Psychology, University of Wisconsin-Milwaukee.
2011-2014	<u>Assistant Professor</u> (tenure-track), Department of Psychology, University of Wisconsin-Milwaukee.
2007-2011	<u>Assistant Professor</u> (tenure-track), Department of Psychology, University of Cincinnati.
2007-2011	<u>Licensed Clinical Psychologist</u> , Clinical Neuropsychology supervisor, Department of Psychology, University of Cincinnati.
2008-2011	<u>Faculty</u> , Multidisciplinary Addiction Science Division, University of Cincinnati.
2005-2007	<u>Postdoctoral Fellow</u> , Neuropsychology, neuroimaging, and addiction specialty, Department of Psychiatry, University of California, San Diego (UCSD), Research Mentor: Susan Tapert, Ph.D. Additional Fellowship Supervisors: Sandra A. Brown, Ph.D. & Sandy J. Brown, Ph.D., ABPP(CN).
2006-2007	<u>Clinical Neuropsychology Fellow</u> , Outpatient neuropsychology services, Neuropsychological Associates, UCSD, Supervisor: Mark Bondi, Ph.D., ABPP(CN).
2005-2007	<u>Clinical Neuropsychology Fellow</u> , Outpatient Substance Abuse and Mental Illness treatment group neuropsychology services, VA San Diego Healthcare System, Supervisors: Susan Tapert, Ph.D. & Shannon Robinson, M.D.
2004-2005	<u>APA-Approved Clinical Neuropsychology Intern</u> , Rotations in Adult Neuropsychology, Pediatric Neuropsychology/Child Psychiatry, Medical Psychology, and Outpatient Psychotherapy, University of Arizona Health Sciences Center, Supervisors: Anne Herring, Ph.D., ABPP(CN), Alfred Kaszniak, Ph.D., ABPP(CN), Geoffrey Ahern, M.D., Ph.D., Kris Kaemingk, Ph.D., Dick Bootzin, Ph.D., Joanna Katsanis, Ph.D., Dan Shapiro, Ph.D., & Robert Rhode, Ph.D.
1999-2005	<u>Clinical Neuropsychology Graduate Student</u> , Clinical and research experience at the University of Cincinnati and surrounding hospitals/clinics in adult and adolescent neuropsychology, substance abuse treatment, group therapy, individual psychotherapy (especially cognitive behavioral therapy, motivational interviewing, psychodynamic therapy), and forensic psychology (not guilty by reason of insanity, competency evaluations) in both inpatient and outpatient psychiatric, neurologic, psychological, and rehabilitation settings. Primary research mentor: Paula K. Shear, Ph.D.

GRANTS AND FELLOWSHIPS

CURRENT

- 3/16-7/17 Role: Principal Investigator. Effects of Physical Activity & Marijuana Use on Frontolimbic Functioning During Adolescence: An fMRI Study (1 R01 DA030354-01). Direct costs \$375,000. National Institute of Health (NIH)/National Institute on Drug Abuse (NIDA). As part of a Presidential Early Career Award for Scientists and Engineers (PECASE), a 1.5-year merit-based extension to R01 DA030354-01 was approved by the White House and NIH.
- 9/13-2/16 Role: Consultant. Imaging Data in Emerging Adults with Addiction (IDEAA): UT-Dallas Site (R01 3R01DA030344-02S1). Direct costs \$385,000. National Institute of Health (NIH)/National Institute on Drug Abuse (NIDA). This proposal's objective is similar to grant #3R01DA030354-03S1 (PI: Lisdahl) but funds the UT-Dallas site.
- 9/12-8/16 Role: Principal Investigator. Imaging Data in Emerging Adults with Addiction (IDEAA): UWM Site (3R01DA030354-03S1). Direct costs \$240,000. National Institute of Health (NIH)/National Institute on Drug Abuse (NIDA). The objective of this proposal is to characterize the effects of marijuana (MJ) use on frontolimbic brain structure, functioning and connectivity in youth by the creation of IDEAA, a multi-site consortium comprised of investigators using common, overlapping neuroimaging and behavioral measures in over 600 MJ-using and healthy control adolescents and emerging adults.
- 9/12-8/16 Role: Co-Investigator (PI: Staci Gruber, Ph.D.). Imaging Data in Emerging Adults with Addiction (IDEAA): McLean Site (3R01 DA032646-01). Direct costs \$252,300. National Institute of Health (NIH)/National Institute on Drug Abuse (NIDA). This proposal's objective is similar to grant #3R01DA030354-03S1 (PI: Lisdahl) but funds the McLean-Harvard site.
- 3/11-2/16 Role: Principal Investigator. Effects of Physical Activity & Marijuana Use on Frontolimbic Functioning During Adolescence: An fMRI Study (1 R01 DA030354-01). National Institute of Health (NIH)/National Institute on Drug Abuse (NIDA). Direct costs \$1,250,000. The objective of this proposal is to examine whether physical activity or cardiorespiratory fitness ameliorate the negative consequences of marijuana use during adolescence utilizing functional and structural MRI.

COMPLETED

- 4/10-4/12 Role: Consultant (Site PI: Leanne Tamm, Ph.D.). Multimodal Treatment Study of Children with ADHD (MTA) Neuroimaging Study (Contract #: HHSN271200800009C). NIH/NIDA. Total Cost Amount: \$118,996. The objective of this project is to determine the independent and interactive impacts of ADHD and marijuana exposure on frontolimbic functioning in young adults who have been enrolled in the MTA longitudinal study.
- 9/09-8/12 Role: Principal Investigator. Effects of SLC6A4, BDNF and Ecstasy Use on Brain Structure in Young Adults (1R03 DA027457-01). NIH/ NIDA. Direct costs \$300,000. The objective of this proposal is to examine whether ecstasy use, serotonin transporter and *BDNF* genotypes interact in predicting neurocognition in adolescents and young adults utilizing structural MRI and diffusion tensor imaging (DTI).
- 3/08-3/09 Role: Co-Principal Investigator (co-PI: Anthenelli, Robert). Imaging Genetics in Alcoholic Men and Women. The University of Cincinnati URC Interdisciplinary Grant. Total costs: \$25,000. The objective of this project is to examine whether gender or *5-HTTLPR* genotype moderate the brain response to affective processing and stress functional MRI (fMRI) tasks in men and women with alcohol dependence.
- 5/07-12/09 Role: Principal Investigator. Interaction between COMT Genotype, Nicotine Exposure and Neurocognition in Young Adults (P30 ES06096). The University of Cincinnati Center for Environmental Genetics. Total costs: \$33,000. The objective of this project is to examine whether *COMT* genotype moderates the relationship between nicotine use and neurocognitive functioning among young adults utilizing MRI techniques and neuropsychological assessment.

- 5/06-8/07 Role: Postdoctoral Fellow (PI: Susan Tapert, Ph.D.). FMRI and Cognition in Adolescent Cannabis Users (1R01 DA021182). NIH/NIDA. The objective is to characterize the longitudinal neural consequences of cannabis use in adolescents utilizing MRI, fMRI and DTI techniques and neuropsychological assessment.
- 8/05-5/06 Role: Postdoctoral Fellow (PI: Susan Tapert, Ph.D.). fMRI and Cognition in Adolescent MDMA and Cannabis Users (R21DA1522). NIH/NIDA. The objective of this project is to characterize the neural consequences of cannabis use in adolescents utilizing MRI, fMRI, and DTI techniques and neuropsychological assessment.
- 8/05-8/07 Role: Principal Investigator (Sponsor: Susan Tapert, Ph.D.). Cognition and MRI in Adolescent Cannabis Users (1F32DA020206). NIH/NIDA Ruth-Kirschstein National Research Service Award Individual Postdoctoral Fellowship. Total costs: \$94,027. The objective of this project is to characterize the neurocognitive consequences of cannabis use in adolescents using magnetic resonance imaging (MRI) and neuropsychological assessment.
- 5/03-6/04 Role: Co-Investigator, (PI: Paula K. Shear, Ph.D.). Associations Between Ecstasy (MDMA) Exposure and Cognitive Functioning. University Research Counsel, University of Cincinnati. Total costs: \$5,000. The objective of this project was to assess the cognitive and psychological consequences of ecstasy (MDMA) use in young adults.
- 8/99-6/04 Role: Graduate Student Research Fellow (Mentor: Paula K. Shear, Ph.D.). University Distinguished Graduate Award. Division of Graduate Studies, University of Cincinnati. Total costs: \$60,000 The objective: this fellowship was based on merit and provided a competitive 12-month stipend for Ph.D. research for up to five years.

HONORS/AWARDS

- 2013 Received a UW-Milwaukee Graduate School/Foundation Research Award.
- 2012 Named a Kavli Fellow by the National Academy of Sciences (NAS) and invited to attend the Japanese-American Kavli Frontiers of Science Symposium, November 2012.
- 2012 Received a Presidential Early Career Award for Scientists and Engineers (PECASE) from President Obama and the National Institute of Health (NIH).
- 2011 Received the NIDA Division of Clinical Neuroscience and Behavioral Research, Behavioral and Brain Development 2011 Outstanding Early Career Investigator Award.
- 2011 Faculty Recognition Award for Mentoring, UC Psychology Graduate Students Association.
- 2006-2012 National Institute of Health Clinical Research Loan Repayment Program recipient.
- 2007 Early Career Travel Award recipient, to attend NIDA's mini-neuroscience conference.
- 2007 Early Career Investigator Award recipient, funded by the College on Problems of Drug Dependence.
- 2006 Research Society on Alcoholism Junior Investigator Award, funded by the National Institute on Alcohol Abuse and Alcoholism (NIAAA).
- 2006 Research Training Institute Travel Award, awarded by the NIDA.
- 2005 Nelson Butters Award for Research Contributions to Clinical Neuropsychology, awarded by the National Academy of Neuropsychology.
- 2005 Early Career Investigator Travel Award, awarded by the NIDA.
- 1999-2004 University Distinguished Graduate Award, recipient of the merit-based graduate fellowship awarded by the University of Cincinnati.
- 1998 Summa Cum Laude, graduate from the University of Minnesota, Twin Cities.

PEER-REVIEWED PUBLICATIONS (listed as Medina, K.L. or Lisdahl, K.M.)

1. Armstrong, T.G., Heideman, G., Corcoran, K., Fisher, B., **Medina, K.L.**, & Schafer, J. (2001). Disagreement about the occurrence of male-to-female intimate partner violence: A qualitative study. *Journal of Family and Community Health, 24*, 55-75. PMID: 11275571
2. Abrams, K., Kushner, M., **Medina, K.L.**, & Voight, A. (2001). The pharmacologic and expectancy effects of alcohol on social anxiety in individuals with social phobia. *Drug and Alcohol Dependence, 64*(2) 219-231. PMID: 11543992
3. Abrams, K., Kushner, M., & **Medina, K.L.**, & Voight, A. (2002). Self-administration of alcohol before and after a public speaking challenge by individuals with social phobia. *Psychology of Addictive Behaviors, 16*(2), 121-128. PMID: 12079250

4. Armstrong, T.G., Wernke, J.Y., **Medina, K.L.**, & Schafer, J. (2002). Do Partners Agree about the Occurrence of Intimate Partner Violence? A Review of the Current Literature. *Trauma, Violence & Abuse. A Review Journal*, 3(3), 181-193.
5. **Medina, K.L.**, Shear, P.K., Schafer, J, Armstrong, T.G., & Dyer, P. (2004). Cognitive functioning and length of abstinence in polysubstance dependent men. *Archives of Clinical Neuropsychology*, 19(2), 245-258. PMID: 15010089
6. **Medina, K.L.**, Schafer, J, Shear, P.K., & Armstrong, T.G. (2004). Memory ability is associated with disagreement about the most recent conflict in polysubstance abusing couples. *Journal of Family Violence*, 19(6), 381-390.
7. Busch, R.M., Pagulayan, K.F., **Lisdahl-Medina, K.**, & Krikorian, R. (2005). Corsi Block-Tapping task performance as a of path configuration. *Journal of Clinical and Experimental Neuropsychology*, 27, 1-8. PMID: 15814446
8. **Medina, K.L.**, Shear, P.K., & Corcoran, K. (2005). Ecstasy (MDMA) exposure and neuropsychological functioning: A polydrug perspective. *Journal of the International Neuropsychological Society*, 11(6), 1-13. PMID: 16248911
9. Pagulayan, K.F., Busch, R., **Medina, K.L.**, & Krikorian, R. (2006). Developmental normative data for the Corsi Block-Tapping Test. *Journal of Clinical and Experimental Neuropsychology*, 28 (6), 1043-1052. PMID: 16822742
10. **Medina, K.L.**, Shear, P.K., & Schafer, J. (2006). Memory functioning in polysubstance dependent women. *Drug and Alcohol Dependence*, 84(3), 248-55. PMID: 16595165
11. Nagel, B.J., **Medina, K.L.**, Yoshii, J., Schweinsburg, A.D., Moadab, I., & Tapert, S.F. (2006). Age related changes in prefrontal white matter volume across adolescence. *NeuroReport*, 17(13), 1427-31. PMID: 16932152
12. **Medina, K.L.** & Shear, P.K. (2007). Anxiety, depression & behavioral symptoms of executive dysfunction in ecstasy users: Contributions of polydrug use. *Drug and Alcohol Dependence*, 87, 303-311. PMID: 17074449
13. **Medina, K.L.**, Schweinsburg, A.D., Cohen-Zion, M., Nagel, B.J., & Tapert, S.F. (2007). Effects of alcohol and combined marijuana and alcohol use during adolescence on hippocampal volume and asymmetry. *Exposures During Adolescent Development: Are Neurotoxic Risks Increased? Neurotox and Teratology*, 29, 141-152. PMID: 17169528
14. **Medina, K.L.**, Nagel, B.J., McQueeney, T., Park, A., & Tapert, S.F. (2007). Depressive symptoms in adolescents: Associations with white matter volume and marijuana use. *Journal of Child Psychology and Psychiatry*, 48(6), 592-600. PMID: 17537075
15. **Medina, K.L.**, Hanson, K., Schweinsburg, A.D., Cohen-Zion, M., Nagel, B.J., & Tapert, S.F. (2007). Neuropsychological functioning in adolescent marijuana users: Subtle deficits detectable after a month of abstinence. *Journal of the International Neuropsychological Society*, 13(5), 807-820. PMID: 17697412
16. **Medina, K.L.**, McQueeney, T., Nagel, B.J., Hanson, K., Schweinsburg, A.D., & Tapert, S.F. (2008). Prefrontal cortex volumes in adolescents with alcohol use disorders: Unique gender effects. *Alcohol Clinical and Experimental Research*, 32, 386-94. PMID: 18302722
17. **Medina, K.L.**, McQueeney, T., Nagel, B.J., Hanson, K.L., Yang, T., & Tapert, S.F. (2009). Prefrontal cortex morphometry in abstinent adolescent marijuana users: subtle gender effects. *Addiction Biology*, 14(4), 457-68. PMID: 19650817
18. Cohen-Zion, M., Drummong, S.P.A., Padula, C.B., Winward, J., Kanady, J., **Medina, K.L.**, & Tapert, S.F. (2009). Sleep Architecture in Adolescent Marijuana and Alcohol Users during Acute and Extended Abstinence. *Addictive Behaviors*, 34(11), 967-9. PMID: 19505769
19. **Medina, K.L.**, Nagel, B.J., & Tapert, S.F. (2010). Abnormal cerebellar morphometry in abstinent adolescent marijuana users. *Psychiatry Research: Neuroimaging*, 182(2), 152-159. PMID: 20413277
20. Hanson, K. L., **Medina, K. L.**, Nagel, B. J., Spadoni, A. D., Gorlick, A., & Tapert, S. F. (2010). Hippocampal volumes in adolescents with and without a family history of alcoholism. *The American Journal of Drug and Alcohol Abuse*, 36, 161-167. PMID: 20465374
21. Schweinsburg, A.D., Schweinsburg, B.C., **Medina, K.L.**, McQueeney, T., Brown, S.A., & Tapert, S.F. (2010). The influence of recency of use on fMRI response during spatial working memory in adolescent marijuana users. *Journal of Psychoactive Drugs*, 42(3), 401-12. PMID: 21053763
22. Hanson, K. L., Winward, J. L., Schweinsburg, A. D., **Medina, K. L.**, Brown, S. A., & Tapert, S. F. (2010). Longitudinal study of cognition among adolescent marijuana users over three weeks of abstinence. *Addictive Behaviors*. 35(11):970-6. PMID: 20621421
23. Hanson, K.L., **Medina, K.L.**, Padula, C.B., Tapert, S.F., & Brown, S.A. (2011). Impact of adolescent alcohol and drug use on neuropsychological functioning in young adulthood: 10-year outcomes. *Journal of Child & Adolescent Substance Abuse*, 20, 135-154. PMID: 21532924
24. McQueeney, T.M., † Padula, C., Price, J., **Medina, K.L.**, Logan, P., & Tapert, S.F. (2011). Gender effects on amygdala morphometry in adolescent marijuana users. *Behavioural Brain Research*, 224(1), 128-134. PMID: 21664935
25. **Lisdahl, K.M.** & Price, J.S. (2012). Increased marijuana use and gender predict poorer cognitive functioning in healthy emerging adults. *Journal of the International Neuropsychological Society*. 18(4), 678-88. PMID: 22613255.

26. **Lisdahl, K.M.** Thayer, R., Squeglia, L., McQueeny, T.M., & Tapert, S.T. (2013). Recent binge drinking predicts smaller cerebellar volumes in adolescents. *Psychiatry Research: Neuroimaging*; 211, 17-23. PMID: 23154095.
 27. Price, J.S. †, Strong, J.A., McQueeny, T., Budion, B., Shear, P.K. & **Lisdahl, K.M.** (2013). Gender and depressive symptoms moderate the effects of the serotonin transporter gene on hippocampal structure and memory in healthy young adults. *Behavioural Brain Research*, 242: 158-65. PMID: 23266326.
 28. **Lisdahl, K.M.**, Gilbert, E.R., Shollenbarger, S., & Wright, N (2013). Dare to Delay?: The impacts of adolescent alcohol and marijuana use onset on cognition, brain structure and function. Invited review for Special Topic issue *Brain Reward and Stress Systems in Addiction. Frontiers in Psychiatry*; 4:53. PMID: 23847550.
 29. Tamm L., Epstein J.N., **Lisdahl K.M.**, Molina B., Tapert S., Hinshaw S.P., Arnold L.E., Velanova K., Abikoff H., & Swanson J.M.; MTA Neuroimaging Group (2013). Impact of ADHD and cannabis use on executive functioning in young adults. *Drug Alcohol Depend*; 133(2), 607-14. PMID: 23992650.
 30. **Lisdahl, K.M.**, Wright, N.E., Medina-Kirchner, C., Maple, K.E., Shollenbarger, S. (2014). Considering cannabis: The effects of regular cannabis use on neurocognition in adolescents and young adults. *Current Addiction Reports*, 1(2), 144-156.
 31. Price J.S.†, Shear P., **Lisdahl K.M.** (2014) Ecstasy Exposure & Gender: Examining Components of Verbal Memory Functioning. *PLoS ONE* 9(12): e115645. PMCID: PMC4278706.
 32. Padula, C.B.†, McQueeny, T.,M., **Lisdahl, K.M.**, Price, J.S., & Tapert, S.F. (2015). Craving is Associated with Amygdala Volumes in Adolescent Marijuana Users During Abstinence. *The American Journal of Drug and Alcohol Abuse*, 41(2):127-32. PMID: 25668330
 33. Padula, C.B.†, Anthenelli, R.M., Eliassen, J.C., Nelson, E., & **Lisdahl, K.M.** (2015). Gender Effects in Alcohol Dependence: An fMRI Pilot Study Examining Affective Processing. *Alcoholism: Clinical and Experimental Research*, 39(2):272-81. PMID: 25684049
 34. Shollenbarger, S. †, Price, J.S., Wieser, J., **Lisdahl, K.M.** (2015). Poorer frontolimbic white matter integrity is associated with chronic cannabis use, FAAH genotype, and increased depressive and apathy symptoms in adolescents and young adults. *Neuroimaging: Clinical*, 2:8, 117-125.
 35. Price, J.S.,† McQueeny, T.M., Shollenbarger, S. & **Lisdahl, K.M.** (2015). Effects of marijuana use on prefrontal and parietal volumes and cognition in emerging adults. *Psychopharmacology*
 36. Wright, N.E.,† Strong, J., Gilbert, E., & **Lisdahl, K.M.** (in press). 5-HTTLPR Genotype Moderates the Effects of Past Ecstasy Use on Verbal Memory Performance in Adolescent and Emerging Adults: A Pilot Study. *PLoS ONE*.
 37. Shollenbarger, S. †, Price, J.S., Wieser, J., **Lisdahl, K.M.** (in press). Impact of Cannabis Use on Prefrontal Cortex Gyrification in Adolescents and Emerging Adults. *Developmental Cognitive Neuroscience*.
- †Denotes work submitted by Dr. Lisdahl's graduate students. Last authorship is equivalent to senior authorship.

MANUSCRIPTS CURRENTLY UNDER REVIEW (listed as Lisdahl, K.M.)

1. **Lisdahl, K.M.**, Price, J.S., Shollenbarger, S., & Padula, C. (under review). High Body Mass Index, Cognition and Hippocampal Volumes in Adolescents and Emerging Adults.
2. Padula, C.B.,† Anthenelli, R.M., Eliassen, J.C., Nelson, E., & **Lisdahl, K.M.** (in revision). The functional and structural neural connectivity of affective processing in alcohol dependence: A multimodal imaging study.
3. Maple, K.E. †, McDaniel, K.A., & **Lisdahl, K.M.** (under review). Cannabis Use, FAAH, and Depressive Symptoms Predict Sleep Quality in Adolescents and Emerging Adults.
4. Wright, N.E.,† Padula, C.B., Anthenelli, R.M., Eliassen, J.C., Nelson, E., & **Lisdahl, K.M.** (in revision). Stress Response in Alcohol Dependent Men and Women: Assessing Amygdala Habituation and Functional Connectivity with fMRI.
5. Newman, E., Jernigan, T.L., **Lisdahl, K.M.**, Tamm, L., Tapert, S.F., Potkin, S.G., Mathalon, D., Molina, B., Bjork, J., Castellanos, F.X., Swanson, J., Kuperman, J.M., Bartsch, H., Chen, CH, Dale, A.M., Epstein, J.N. (under review). Go/no go task performance predicts cortical thickness in the caudal inferior frontal gyrus in young adults with and without ADHD.
6. **Lisdahl, K.M.**, Tamm, L., Epstein, J., Jernigan, T., Molina, B., Hinshaw, S.P., Swanson, J.M., Newman, E., Kelly, C., Bjork, J.M. (under review). Impact of ADHD Persistence, Recent Cannabis Use, and Age of Regular Cannabis Use Onset on Subcortical Volume and Cortical Thickness in Young Adults.

MANUSCRIPTS IN PREPARATION (listed as Lisdahl, K.M.)

1. **Lisdahl, K.M.** & Price, J.S. (in progress). Binge drinking predicts poorer verbal memory and smaller left hippocampus in healthy emerging adults.
2. **Lisdahl, K.M.**, Medina, C.K., & Wright, T. (in progress). S100B genotype moderates the effects of ecstasy (MDMA) on verbal memory and depressive symptoms in youth.
3. Browning, E.,† Shollenbarger, S., Wright, N., & **Lisdahl, K.M.** (in progress). Brain Derived Neurotrophic Factor (BDNF) Genotype and Body Mass Index Interact in Predicting Prefrontal Cortex Gyrification Pattern in Youth.
4. **Lisdahl, K.M.**, McQueeny, T., Price, J.S., & Shollenbarger, S. (in progress). Increased binge drinking is associated

- with reduced prefrontal cortex gyrification in adolescents and emerging adults.
5. Thomas, A.B. †, Gilbert, E., & **Lisdahl, K.M.** (in progress). Impact of ecstasy (MDMA) on white matter integrity in adolescents and young adults.
 6. **Lisdahl, K.L.**, Shollenbarger, S., & Strong, J. (in progress). Cannabis use and endocannabinoid genes (*FAAH* and *CNR1*) interact to predict neuropsychological performance in adolescents and emerging adults.
 7. **Lisdahl, K.L.**, Wieser, J., Jacobsen, L., Meloy, M.J., Tapert, S.T. (in progress). Longitudinal impact of cannabis use on local gyrification index in adolescents.

BOOK CHAPTERS (listed as Medina, K.L. or Lisdahl, K.M.)

1. **Medina, K.L.** & Tapert, S.F. (2011). Neuropsychological effects of marijuana use in adolescents. [Translated into Italian.] In *Cannabis and its damaging effects. Toxicological, psychological, medical social effects and guidelines for prevention and treatment*. Verona, Italy: Department for Antidrug Policies.
2. **Lisdahl, K.M.** & Tapert, S.F. (2011). Chapter 3: Chronic effects of heavy alcohol and marijuana use on the brain and cognition in adolescents and young adults. In Rabiner, D & White, H (Ed.), *College Drinking and Drug Use*. New York: Guilford Press.
3. Wright, N.E.,† Maple, K.E., & Lisdahl, K.M. (in press). Effects of Cannabis Use on Neurocognition in Adolescents and Emerging Adults In Preedy, R.R. (Ed.), *The Comprehensive handbook of Cannabis Related Pathology*.
3. Maple, K.E. †, Wright, N.E., & Lisdahl, K.M. (in press). Effects of Cannabis Use on Neurocognition in Adolescents and Emerging Adults In Preedy, R.R. (Ed.), *The Comprehensive handbook of Cannabis Related Pathology*.

PEER-REVIEWED PRESENTATIONS (listed as Medina, K.L. or Lisdahl, K.M.)

1. Abrams, K., Kushner, M., **Lisdahl, K.M.**, & Voight, A. (1997). The expectancy and pharmacological effects of alcohol on social anxiety in individuals with social phobia. Poster presented at the annual convention of the Association for the Advancement of Behavior Therapy, Miami Beach.
2. Abrams, K., Kushner, M., & **Lisdahl, K.M.** (1998). Moderating effects of tension-reduction alcohol outcome expectancies on placebo responding during an experimental anxiety challenge in individuals with social phobia. Poster presented at the annual convention of the Association for the Advancement of Behavior Therapy, Washington, D.C.
3. Abrams, K., Kushner, M., & **Lisdahl, K.M.** (1999). The self-administration of alcohol before and after a public speaking challenge by individuals with social phobia. Paper presented at the 33rd annual meeting of the Association for the Advancement of Behavior Therapy, Montreal, Canada.
4. Armstrong, T.G., Heideman, G., Corcoran, K., Fisher, B., **Medina, K.L.**, & Schafer, J. (2000). Disagreement about the occurrence of male-to-female intimate partner violence: A qualitative study. Paper presented at the 128th annual meeting of the American Public Health Association, Boston, MA.
5. Dyer, P., Schafer, J., **Medina, K.L.**, & Armstrong, T.G. (2001). Psychometric evaluation of the Substance Abuse Subtle Screening Inventory-2 (SASSI-2) among male polysubstance abusers and their female partners. Poster presented at the 129th annual meeting of the American Public Health Association, Atlanta, GA.
6. Schafer, J., Dyer, P., **Medina, K.L.**, Armstrong, T.G., & Wernke, J (2001). Risk factors for intimate partner violence in men recovering from multiple substance abuse and their female partners. Paper presented at the 129th annual meeting of the American Public Health Association, Atlanta, GA.
7. **Medina, K.L.**, Shear, P.K., Armstrong, T.G., & Schafer, J. (2000). Intimate partner violence agreement II: Memory ability is related to agreement about violence among polysubstance abusing couples. Paper presented orally at the 128th annual meeting of the American Public Health Association, Boston, MA.
8. **Medina, K.L.**, Schafer, J, Shear, P.K., & Dyer, P. (2001). Cognitive functioning and length of abstinence in polysubstance dependent men. *Journal of the International Neuropsychological Society*, 7, 191.
9. **Medina, K.L.**, Shear, P.K., & Schafer, J. (2002). Memory functioning in polysubstance dependent women. *Journal of the International Neuropsychological Society*, 8(2), 252.
10. Armstrong, T.G., **Medina, K.L.**, Schafer, J. (2002). The association between personality and violence among polysubstance abusing couples. Poster presented at the meeting for the American Psychological Association (APA), Chicago, IL.
11. **Medina, K.L.**, Armstrong, T.G., Schafer, J., Dyer, P. (2002). The utility of the MCMI-III in diagnosing alcohol and drug dependence. Poster presented at the meeting for the APA, Chicago, IL.
12. Farrell, K., Busch, R., **Medina, K.L.**, & Krikorian, R. (2003). Developmental data on the Corsi Block tapping task. *Journal of the International Neuropsychological Society*, 9 (2), 159.
13. Busch, R., **Medina, K.L.**, Farrell, K., & Krikorian, R. (2003). Corsi Block tapping task performance as a function of path configuration. *Journal of the International Neuropsychological Society*, 9 (2), 158.
14. **Medina, K.L.**, Busch, R., Farrell, K., Shidler, M., & Krikorian, R. (2003). Cognitive predictors of functional decline in community-dwelling older adults. *Journal of the International Neuropsychological Society*, 9 (2), 316.
15. Kavanagh, G., Corcoran, K., **Medina, K.L.**, Wernke, J., Shear, P.K. (2004). Welcome to the party: Ecstasy use in college students. Poster presented at the meeting for the APA, Honolulu, Hawaii.

16. **Medina, K.L.**, Shear, P.K., Corcoran, K., Dressler, C., Duckworth, C., Hurst, A., & Peters, J. (2004). MDMA ("Ecstasy") dosage and verbal memory ability. *J. of the International Neuropsychological Society*, *10* (2), 199.
17. **Medina, K.L.**, Shear, P.K., Corcoran, K. (2005). Ecstasy (MDMA) exposure and neuropsychological functioning: A polydrug perspective. *J. of the International Neuropsychological Society*, *11* (S1), 180.
18. **Medina, K.L.**, Shear, P.K., Corcoran, K., Peters, J., Dressler, C., Duckworth, C., Hurst, A., & Castelino, C. (2005). Executive function, anxiety, & depression in ecstasy users: Contributions of polydrug use. *The Clinical Neuropsychologist*, *19*(3-4), 565.
19. Peters, J., **Medina, K.L.**, Shear, P.K., & Castelino, C. (2005). The subjective effects of ecstasy (MDMA): A qualitative study. Poster presented at the annual meeting of the APA, Washington, D.C
20. **Medina, K.L.**, Nagel, B.J., Schweinsburg, A.D., & Tapert, S. (2005). Cognition and gray matter volume in adolescent cannabis users. Poster presented at the annual meeting of the APA, Washington, D.C.
21. **Medina, K.L.**, Nagel, B.J., McQueeny, T., Schweinsburg, A.D., Cohen-Zion, M., & Tapert, S. (2006). White matter and depressive symptoms in adolescent marijuana users. Paper presented orally at the annual meeting of the International Neuropsychological Society (INS), Boston, MA.
22. Cohen-Zion, M., Kanady, J., Wong, R., Park, A., McQueeny, T., **Medina, K.L.**, Tapert, S.F., & Drummond, S (2006). Sleep in adolescent marijuana users during a 28-day abstinence period. Poster presented at the European Sleep Research Society annual meeting.
23. **Medina, K.L.** & Tapert, S.F. (2006). Brain functioning and neurocognition in heavy drinking youth. Paper presented orally in symposium at the annual meeting for Research Society on Alcoholism (RSA), Baltimore.
24. **Medina, K.L.**, Hanson, K.L., Schweinsburg, A.D., Cohen-Zion, M., & Tapert, S. (2007). Neuropsychological Functioning in Adolescent Marijuana Users: Subtle Deficits Detectable After 30 Days of Abstinence. Poster presented at the annual meeting of the INS, Portland, OR.
25. McQueeny, T., **Medina, K.L.**, Schweinsburg, A.D., Cohen-Zion, M., Nagel, B.J., & Tapert, S. (2007). Effects of Alcohol and Marijuana Use During Adolescence on Hippocampal Asymmetry and Cognitive Functioning. Poster presented at the annual meeting of the INS, Portland, OR.
26. McQueeny, T., **Medina, K.L.**, Nagel, B.J., Hanson, K.L., Ebersson, S. & Tapert, S.F. (2007). Gender differences in prefrontal cortex volumes in adolescents with alcohol use disorders. Poster presented at the annual meeting for RSA, Chicago, IL.
27. Hanson, K., **Medina, K.L.**, Padula, C.B., Tapert, S.F. & Brown, S.A. (2007). How does alcohol and drug use in adolescence affect neuropsychological functioning in young adulthood?: 10-year outcomes. Poster presented at the annual meeting for RSA, Chicago, IL.
28. Winward, J., Schweinsburg, A.D., **Medina, K.L.**, & Tapert, S.F. (2007). Effects of adolescent marijuana use on fMRI brain activation to spatial working memory. Paper presented orally at the annual meeting for College on Problems of Drug Dependence (CPDD), Quebec City, Canada.
29. **Medina, K.L.**, Nagel, B.J., Hanson, K.L., McQueeny, T., & Tapert, S.F. (2007). Prefrontal cortex morphometry in abstinent adolescent marijuana users: Subtle gender effects. Poster presented at the annual meeting for CPDD, Quebec City, Canada.
30. **Medina, K.L.**, Nagel, B.J., & Tapert, S.F. (2007, June). Cerebellar morphometry in abstinent adolescent marijuana users. Poster presented at the NIDA mini-symposium at the Society for Neuroscience, San Diego, CA.
31. Hanson, K.L., **Medina, K.L.**, Nagel, B.J., Norman, A., Ebersson, S., & Tapert, S.F. (2008, Jan). Hippocampal volumes in adolescents with positive or negative family histories for alcohol use disorders. Poster presented at the International Conference on Applications of Neuroimaging to Alcoholism (ICANA) in New Haven, CT.
32. Hanson, K.L., Schweinsburg, A.D., **Medina, K.L.**, McQueeny, T., & Tapert, S.F. (2008, Feb). Does cognitive functioning recover after 30 days of abstinence among adolescent marijuana users? Poster presented at the annual meeting for the INS in Honolulu, HI.
33. Price, J.,[†] Shear, P.K., & **Medina, K.L.** (2008, Feb). Memory functioning and ecstasy use: A closer look at gender effects. Poster presented at the annual meeting for the INS in Honolulu, HI.
34. Hanson, K. L., Spadoni, A. D., Gorlick, A. S., **Medina, K. L.**, Nagel, B. J., Norman, A. L., & Tapert, S. F. (2008, June). Affective and behavioral correlates with hippocampal volumes in adolescents with and without a family history of alcoholism. Poster presented at the RSA Annual Meeting, Washington, D.C.
35. **Medina, K.L.**, Price, J., Harper, E., Logan, P., & Shear, P.K. (2008, Aug). Ecstasy consumption and executive functioning: Gender effects. Poster presented at the 2008 annual meeting of the APA in Hawaii.
38. McQueeny, T.,[†] Padula, C., Price, J., **Medina, K.L.**, & Tapert, S.F. (2009, June). Amygdala morphometry in adolescent marijuana users. Poster to be presented at the annual meeting for the CPDD, Reno, NV.
39. Padula, C.,[†] McQueeny, T., Price, J., **Medina, K.L.**, & Tapert, S.F. (2009, June). Amygdala Volumes and Craving Adolescent Marijuana Users . Poster to be presented at the annual meeting for the CPDD, Reno, NV.
40. **Medina, K.L.**, Price, J., McQueeny, T., Padula, C., Eliassen, E. & Tapert, S.F. (2009, Aug). Neurocognitive consequences of alcohol, marijuana and nicotine use in late adolescence and emerging adulthood. Paper presented orally for symposium addressing college drug use for the annual meeting of the APA.
41. McQueeny, T.,[†] **Medina, K.L.**, Nagel, B.J., Schweinsburg, A.D., & Tapert, S.F (2010, Feb). Functional

- Connectivity and Age-Related Gender Differences in Inhibitory Processing Across Adolescence. Poster presented at annual INS meeting.
42. Padula, C.B.,† Anthenelli, R.M., Eliassen, J.C., Graham, Z., Heffner, J.L. & **Medina, K.L.** (2010, Feb.). The Influence of Gender and Trauma on Brain Activation to Emotion Processing. Poster presented at annual INS meeting.
 43. Price, J.S.,† Strong, J.A., McQueeney, T., Budion, B., & **Medina K.L.** (2010, Feb.). Serotonin transporter gene (5-HTTLPR) risk classification and visual and verbal memory: Implications for future research. Poster presented at annual INS meeting.
 44. Padula, C.B.,† **Medina, K.L.**, Eliassen, J.C., Nelson, E., Anthenelli, R.M. (2010, June). Abnormal fearful affective processing in alcohol dependent adults: an fMRI pilot study. Poster presented at the annual RSA conference in San Antonio, Texas.
 45. Padula, C.B.,† Anthenelli, R.M., Eliassen, J.C., Graham, Z., Heffner, J.L., & **Medina, K.L.** (2010, June). Gender, alcohol dependence and appetative processing: An fMRI study. Poster presented at the annual APA meeting in San Diego, CA.
 46. Shollenbarger, S.G., McQueeney, T., Patel, S & **Medina, K.L.** (2010, Nov.). Nicotine effects on prefrontal morphometry and executive dysfunction. Poster to be presented at the annual Ohio Psychological Association meeting.
 47. McQueeney, T.† Patel, S., Price, J.S., Padula, C., & **Medina K.L** (2011, Feb). Prefrontal Cortical Thickness and Executive Functioning Variations in COMT. Poster presented at the annual meeting of the INS in Boston, MA.
 48. Price, J.S.,† Strong, J.A., McQueeney, T., Budion, B., & **Medina K.L** (2011, Feb). Gender and Depressive Symptoms Moderate the Effects of the Serotonin Transporter Gene on Hippocampal Structure and Memory in Healthy Young Adults. Poster presented at the annual meeting of the INS in Boston, MA.
 49. **Medina K.L** & Price, J.S.,† (2011, Feb). Marijuana, Gender and Body Mass Index Predict Neurocognition in Young Adults. Poster presented at the annual meeting of the INS in Boston, MA.
 50. McQueeney, T.,† & **Medina, K.L.** (2011, June). Binge drinking is associated with abnormal cortical architecture. Paper presentation orally at the meeting of the Research Society on Alcoholism, Atlanta, GA.
 51. Padula, C.B.,† Anthenelli, R.M., Eliassen, J.C., Nelson, E. & **Medina, K.L.** (2011, June). Alcohol dependence and gender: An fMRI pilot study examining affective processing. Poster presentation at the meeting of the Research Society on Alcoholism, Atlanta, GA.
 52. **Medina, K.L.**, Thayer, R., Squeglia, L., McQueeney, T., & Tapert, S.F. (2011, June). Recent binge drinking predicts smaller cerebellar volumes in adolescents. Poster presentation at the meeting of the Research Society on Alcoholism, Atlanta, GA.
 53. **Lisdahl, K.M.**, Price, J., McQueeney, T., Shollenbarger, S., Padula, C. (2012, Feb). *Maximum binge drinking dose predicts smaller left hippocampal volumes in male emerging adults*. Oral presentation as part of symposium (Binge drinking and neurocognition in youth: Evidence from cross-sectional and prospective neuroimaging studies; Chairs: **Lisdahl KM** & Tapert ST) at the annual meeting of the International Neuropsychological Society, Montreal, Canada.
 54. McQueeney, T.,† Bohache, K., Graham, Z., Reedy, A., & **Lisdahl, K.M.** (2012, Feb). *Abnormal cortical architecture in binge drinkers: Unique gender effects*. Oral presentation as part of symposium (Binge drinking and neurocognition in youth: Evidence from cross-sectional and prospective neuroimaging studies; Chairs: **Lisdahl KM** & Tapert ST) at the annual meeting of the International Neuropsychological Society, Montreal, Canada.
 55. Price, J. † & **Lisdahl, K.M.** (2012, June). *Effects of marijuana exposure on prefrontal cortex cortical thickness in emerging adults: Gender effects*. Oral presentation as part of symposium (From bench to bedside: Can neurobiological findings be used to improve treatment outcomes in marijuana-using youth? Chairs: **Lisdahl KM** & Budney AJ) presented at the annual meeting of the College of Problems on Drug Dependence.
 56. **Lisdahl, K.M.** (2013, May). *Neurocognitive Effects of Cannabis Use on Youth*. Oral presentation as part of symposium (Cannabis Use and Youth: Updates on Risk, Assessment and Treatment. Chair: Geetha Subramaniam, M.D.) to be presented at the annual meeting of the American Psychiatric Association.
 57. **Lisdahl, K.M.** (2013, June). *Why we need to delay age of alcohol use onset: Neurocognitive studies in youth*. To be presented as part of symposium (Use it or Lose it: Impact of a Pharmacological Pot Pourri on the Developing Brain. Chair: Lukas, Scott) presented at the annual meeting of the College of Problems on Drug Dependence.
 58. Shollenbarger, S. †, Wright, N., & **Lisdahl, K.M.** (2013, June). *FAAH Genotype and MJ Use Predict Executive Functioning in Adolescent and Emerging Adults*. Paper presented at the 2013 CPDD convention.
 59. Wright, N.E. †, Shollenbarger, S.G., & **Lisdahl, K.M.** (2013, June). *5-HTTLPR genotype, gender and ecstasy use interact to predict verbal memory in adolescent and emerging adults*. Poster presented at The International Women's and Children's Health and Gender Group, San Diego, CA.

60. Shollenbarger, S. † *, Wright, N., Browning, E., & **Lisdahl, K.M.** (2013, August). *Executive Functioning in Adolescent and Emerging Adult Poly-Substance Users*. Poster presented at the 2013 APA convention. *Winner of APA Division 40 Student Poster Award.
 61. Price, J.S., † Budd, M., & **Lisdahl, K.M.** (2013, June). *Marijuana use among emerging adults: Endophenotypes associated with the cannabinoid receptor gene (CNR1)*. Poster presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.
 62. Medina-Kirchner, C. † & **Lisdahl, K.M.** (2013, November). *S100B Genotype Independent and Interactive Effects with Ecstasy Use in Predicting Verbal Memory in Adolescents and Young Adults*. Presented at the annual CUDCP Conference, New Orleans, LA.
 63. Browning, E.L. †, Shollenbarger, S.G., Wieser, J., Strong, J., **Lisdahl, K.** (2013, November). *The Effects of BMI and BDNF Genotype on Prefrontal Cortex Morphology*. Poster Presented at The Society for Neuroscience Conference, San Diego, CA.
 64. **Lisdahl, K.M.**, Price, J.P. & Shollenbarger, S. (2014, Feb). *Potential Moderators of Marijuana Effects: Age of Onset, Gender, Lifestyle, and Genetics*. Paper presented in a symposium at the International Neuropsychological Society, Seattle, WA.
 65. Medina-Kirchner, C. † & **Lisdahl, K.** (2014, April). *S100B Genotype's Independent and Interactive Effects with Ecstasy Use in Predicting Depressive Symptoms in Adolescents and Young Adults*. Poster presented at annual SURF undergraduate research symposium, Milwaukee, WI.
 66. Wright N.E. †, Padula, C.B., Maple, K.E., Anthenelli, R.M, Nelson, E.G., & **Lisdahl, K.M.** (2014, June). *Alcohol dependence, gender, and cortisol response predict amygdala response pattern to fMRI stress task*. Poster to be presented at the annual CPDD conference in San Juan, Puerto Rico.
 67. Price, J.S., McQueeney, T. ., Shollenbarger, S.G., Browning, E.L., Wieser, J., & **Lisdahl, K.M.** (2014, June). *Prefrontal and Parietal Volumes and Cognition in Emerging Adult Marijuana Users*. Poster to be presented at The CPDD Conference, San Juan, Puerto Rico.
 68. Maple, K.E. †, Wright, N.E., & **Lisdahl, K.M.** (2014, June). *Marijuana use and FAAH genotype predict sleep quality in adolescents and emerging adults*. Poster to be presented at the annual CPDD conference in San Juan, Puerto Rico.
 69. **Lisdahl, K.M.**, Price, J.P. & Shollenbarger, S. (2014, August). *Neurocognitive Effects of Marijuana Use in Youth*. Paper to be presented in a symposium *Considering Cannabis: Public Health Implications in Marijuana Legislation (Chair: Lisdahl and Budney)* at the American Psychological Association annual convention, Washington, D.C.
 70. Shollenbarger, S.G., Maple, K., **Lisdahl, K. M.** (2015, February). *Impact of sleep on prefrontal gyrification in cannabis using emerging adults*. Poster presented at the International Neuropsychological Society Conference, Denver, Colorado.
 71. Wright, N.E., Padula, C.B., Anthenelli, R.M., Nelson, E., Eliassen, J., **Lisdahl, K.M.** (2015, June). *Amygdala hyperactivity and functional connectivity during a stress task in alcohol dependent individuals*. Poster to be presented at the annual RSA conference in, San Antonio, Texas.
 72. Maple, K., Shollenbarger. S. G., Gilbert, E. R., **Lisdahl, K. M.** (2015, June). *Sleep quality does not predict frontolimbic white matter integrity in young marijuana users*. Poster to be presented at The College on Problems of Drug Dependence Conference, Phoenix, Arizona.
 73. Shollenbarger, S.G., Maple, K., **Lisdahl, K. M.** (2015, June). *The relationship between prefrontal gyrification and underlying white matter integrity in young cannabis users*. Poster presented at The College on Problems of Drug Dependence Conference, Phoenix, Arizona.
 74. **Lisdahl, K.M.**, Price, J.P. & Shollenbarger, S. (2015, June). *Endocannabinoid genetics moderate the impact of regular cannabis use on cognition and brain structure in adolescents and emerging adults*. Paper to be presented in a symposium *Cannabis Use in Youth: Neurocognitive Effects, Genetic Moderators, and Epigenetic Findings (Chair: Lisdahl)* at the annual CPDD convention.
 75. **Lisdahl, K.M.**, Price, J.P., Shollenbarger, S. & Maple, K. (2015, August). *Neurocognitive Effects of Cannabis use on Youth: Genetic Moderators*. Paper to be presented in a symposium *Marijuana on the Adolescent Brain? Exploring Neurodevelopment and Behavior* at the annual APA convention.
 76. Wright, N.E. & **Lisdahl, K.M.** (2015, November). *The potential influence of 5-HTTLPR Genotype, Gender and Ecstasy use on Depressive Symptoms in Adolescent and Emerging Adults*. Poster to be presented at the annual SFN conference in Chicago, Illinois.
- †Denotes work submitted by Dr. Lisdahl's students. Last authorship is equivalent to senior authorship.

INVITED TALKS (listed as Medina, K.L. or Lisdahl, K.M.)

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1. **Medina, K.L.** & Tapert, S.F. (2008, Oct). *Neuroimaging marijuana use and its effects on cognitive function*. Invited talk at the American Academy of Pediatrics, Boston, MA.

2. **Medina, K.L.** & Tapert, S.F. (2008, Nov). *Marijuana use during adolescence: Neuroimaging results & future directions*. Invited talk at NIDA symposium *Adolescent Development Following Prenatal Drug Exposure: Research Progress, Challenges, and Opportunities*, Rockville, Maryland.
3. **Medina, K.L.** & Tapert, S.F. (2009, Oct). *Neuropsychological Effects of Adolescent Marijuana Use*. Invited talk for California Society for Addiction Medicine meeting in San Francisco.
4. **Medina, K.L.** (2010, March). *The Adolescent Brain: Drug Abuse and Social-Emotional Learning*. Workshop presented in Medina, OH (6 CEU provided to psychologists, nurses, social workers, teachers).
5. **Medina, K.L.** (2010, March). *Drug Effects on the Adolescent Brain: Insights from Imaging and Cognitive Neuroscience Research*. Invited talk for 1st Annual University of Cincinnati Health Addiction Update.
6. **Medina, K.L.** (2010, May). *Effects of Alcohol and Marijuana Use on Neurocognition During Adolescence & Emerging Adulthood*. Invited talk for Duke University conference *College Student Drinking and Drug Use*, Durham, North Carolina.
7. **Medina, K.L.** & Tapert, S.F. (2010, June). *Neuropsychological Effects of Chronic Marijuana Use in Adolescents and Emerging Adults*. Invited lecture at the international meeting *Advances in Neuroscience for Addiction: From Neurobiology to Educational Aspects*, Verona, Italy.
8. **Medina, K.L.** & Tapert, S.F. (2010, Oct). *Neuropsychological Effects of Adolescent and Young Adult Marijuana Use*. Invited talk for California Society for Addiction Medicine meeting in New Port Beach, CA.
9. **Medina, K.L.** (2011, March). *Neurocognitive Effects of Chronic Marijuana Use in Adolescents and Emerging Adults*. Invited talk for the National Institute on Drug Abuse, Division of Clinical Neuroscience and Behavioral Research Seminar Series and 2011 Outstanding Early Career Investigator Award ceremony.
10. **Medina, K.L.** (2011, May). *Neurocognitive Functioning in Marijuana-using Adolescents and Emerging Adults*. Invited talk for the UAMS Psychiatry Grand Rounds, Little Rock, Arkansas.
11. **Lisdahl, K.M.** (2013, Feb). *Chronic Marijuana Effects on Neurocognition in Youth*. Invited talk given at the Medical College of Wisconsin Department of Biophysics Graduate Seminar Series, Milwaukee, WI.
12. **Lisdahl, K.M.** (2013, August). *Chronic Marijuana and Binge Drinking Effects on Neurocognition in Youth*. Invited address given at the 2013 American Psychological Association convention in Honolulu, HI.
13. **Lisdahl, K.M.** (2014, April). *Utilizing Neuropsychology and MRI to Measure Neurocognitive Functioning in Drug-Using Adolescents and Adults*. Talk provided for Science As... Series, University of Illinois, Chicago.
14. **Lisdahl, K.M.** (2014, May). *Neurocognitive Effects of Cannabis Use on Youth: What is the Evidence?* Invited address given at the 2014 American Psychiatric Association convention in New York, NY.
15. **Lisdahl, K.M.** (2014, June). *Adolescent Neurodevelopment: Considerations in Education*. Invited address for Milwaukee-area middle school teachers convention.
16. **Lisdahl, K.M.** (2014, Sept). *Regular Cannabis Use in Youth: Neurocognitive Effects and Policy Considerations*. University of Missouri Grand Rounds invited talk.
17. **Lisdahl, K.M.** (2014, December). *Effects of Cannabis on the Brain*. Invited address to the Wisconsin State Council on Alcohol and Other Drug Abuse Prevention Committee, Cannabis Ad-hoc Committee.
18. **Lisdahl, K.M.** (2015, Jan). *Cannabis Policy Considerations for Wisconsin*. Invited address to the Wisconsin State Council on Alcohol and Other Drug Abuse Prevention Committee, Cannabis Ad-hoc Committee.
19. **Lisdahl, K.M.** (2015, April). *Regular Cannabis Use in Youth: Neurocognitive Effects and Policy Considerations*. Invited talk given at the Medical College of Wisconsin Department of Biophysics Graduate Seminar Series, Milwaukee, WI.
20. **Lisdahl, K.M.** (2015, May). *Marijuana and the Developing Brain... Why Teens Should Wait*. Invited address to the LEAD Foundation Community Forum, Colorado Springs, CO.

TEACHING/SUPERVISORY EXPERIENCE (2007-present)

2014-2015	<u>Co-Instructor</u> , <i>Clinical Research Methods</i> , required course for clinical psychology graduate students, University of Wisconsin-Milwaukee. Dr. Lisdahl's portion focuses on grant writing.
2012-2015	<u>Instructor</u> , <i>Assessment II</i> , required course for clinical psychology graduate students, University of Wisconsin-Milwaukee. This course covers assessment of major DSM-V Axis I disorders, projective assessment methods, and clinical neuropsychology assessment and diagnosis.
2011-2014	<u>Instructor</u> , <i>Psychopathology</i> , optional course for undergraduate majors, University of Wisconsin-Milwaukee. This course covers the epidemiology, etiology and treatment of major Axis I and II disorders.
2012; 2013	<u>Instructor</u> , <i>433 Neuropsychology</i> , optional course for psychology undergraduate students, University of Wisconsin-Milwaukee. This course covers lifespan brain development, basic neuroscience, and etiology of major psychiatric and neurologic disorders.

- 2012; 2013 Co-Facilitator, *Clinical Neuropsychology Journal Club*, optional course for clinical neuropsychology graduate students, UWM.
- 2010 Co-Facilitator, *Clinical Neuropsychology Journal Club* (PSYCH-915), required course for clinical neuropsychology graduate students, University of Cincinnati.
- 2010-2011 Instructor, *Lifespan Brain Development* (PSYCH-322), optional course for undergraduate majors, University of Cincinnati. This course covers lifespan brain development, basic neuroscience, and etiology of major psychiatric and neurologic disorders.
- 2007-2011 Instructor, *Brain on Drugs* (PSYCH-362), elective course for undergraduate psychology majors, University of Cincinnati. This course covers basic psychopharmacology, neuroscience, and psychosocial factors across multiple drug categories and addiction.
- 2010 Instructor, *Clinical Psychopharmacology* (PSYCH-893), required course for graduate clinical psychology majors, University of Cincinnati. This course covers advanced psychopharmacology for clinical populations.
- 2010 Instructor, *Clinical Neuropsychology* (PSYCH-831), required course for graduate clinical neuropsychology majors, University of Cincinnati. This course covers neuropsychological assessment, diagnosis, and etiology of major neurologic and psychiatric disorders.
- 2009 Instructor, *Interventions* (PSYCH-881), required course for first year clinical psychology doctoral students, University of Cincinnati. This course covered empirically validated interventions for major DSM-IV Axis I and II disorders.
- 2008-2009 Clinical Supervisor, *Clinical Practica* (PSYCH-888), for first year clinical psychology practicum students, University of Cincinnati. Dr. Lisdahl served as a therapy supervisor for first year therapy practicum students.
- 2008-2009 Instructor, *Clinical Case Conference* (PSYCH-870), required bi-weekly seminar for 1st and 2nd year clinical psychology graduate students, University of Cincinnati.

GUEST LECTURES (UWM; since 2012)

1. **Lisdahl, K.M.** (2014, Oct). *Substance Use Disorders*. Guest Lecture for Developmental Psychopathology (PSYCH-912), Instructor: Dr. Chris Larson.
2. **Lisdahl, K.M.** (2014, Nov). *Grant Writing Workshop*. Guest Lecture for Ethical and Professional Conduct for Behavior Analysts (PSYCH-725), Instructor: Dr. Jeffrey Tiger.
3. **Lisdahl, K.M.** (2013, Oct). *Substance Use Disorders*. Guest Lecture for Developmental Psychopathology (PSYCH-912), Instructor: Dr. Chris Larson.
4. **Lisdahl, K.M.** (2013, Oct). *Grant Writing Workshop*. Guest Lecture for Ethical and Professional Conduct for Behavior Analysts (PSYCH-725), Instructor: Dr. Jeffrey Tiger.

PSYCHOLOGY MENTORING EXPERIENCE (2007-2011 University of Cincinnati; 2011-current UWM)

Primary Mentor for Ph.D. Graduates:

2013-2014 Claudia Padula, Ph.D., Jenessa Price, Ph.D.

Doctoral Dissertation Committee:

2013-current UWM: Lauren Taubitz, Skyler Shollenbarger (Chair)

2011-2013 Univ. Cinci: Jenessa Price (Chair), Claudia Padula (Chair)

2007-2011 Univ. Cinci: Sarah Tlustos, Joaquin Burciaga, Lisa Jacola, Leah Chapman, Amanda George (Australia University), Abigail Goldsmith

Master's Thesis Committee:

2011-current UWM: Skyler Shollenbarger (Chair), Tasha Wright (Chair), Michael Fitzgerald, Octavio Santos, Kristin Maple (Chair), Tara Ann Miskovich

2007-2011 Univ. Cinci: Megan Narad, Tanya Antonini, Jenessa Price (Chair), Tim McQueeney (Chair), Claudia Padula (Chair)

Written Major Qualifying Exam (MQE) Committee:

2014-current UWM: Octavio Santos, Skyler Shollenbarger (Chair)
2007-2011 Univ. Cinci: Lisa Jacola, Megan Narad, Kiely Donnelly, Jenessa Price (Chair), Tim McQueeney (Chair), Claudia Padula (Chair), Sarah Tlustol, Joaquin Burciaga, Leah Chapman.

Clinical MQE Committee:

2007-2011 Univ. Cinci: Jessica Black, Megan Narad, Jenessa Price (Chair), Tim McQueeney (Chair), Claudia Padula (Chair), Erica Dawson, Elizabeth Long, Sarah Tlustol (Chair), Joaquin Burciaga

Undergraduate Research Mentor

2011-current Current Students at UWM: Kymberly Ann McDaniel (SURF awardee), Daniel Scarpello (SURF awardee), Christopher Kirchner-Medina (McNair Scholarship, SURF awardee), Erika Gilbert (SURF awardee, Honors thesis). Past Students (UWM): Patrick Heffernan, Allison Walsh, Erin Browning (Honors thesis), Charles Culwell-Kanarek (SURF awardee), Kathryn Sullivan.

2007-2011 Past Students at Univ. Cinci: Brigitte Budion (Honor's Thesis completed 5/11), Zach Graham, Skyler Shollenbarger, Rokaia Mohamed (Honor's Thesis completed 5/11), Adrienne West, Emily Hetzer, Justin Stapleton, Jake Dean, Monika Hawkins (Neuroscience Capstone completed 5/10), Sailee Teredesai, Megan Miller (Honor's Thesis completed 5/10), Alitta Barsch (Honor's Thesis completed 5/09), Josselyn Taylor (McNair Scholar Mentor), Dana Hamilton, Eric Harper (Honor's Thesis completed 6/08), Patrick Logan (Honor's Thesis completed 6/08), Shana Vanderburgh.

PSYCHOLOGY DEPARTMENT, UNIVERSITY, AND NATIONAL SERVICE

Current

2015 NIAAA Scientific Review Group: Neuroscience Research Review Subcommittee (AA-4) Ad-hoc reviewer

2015-current Member, Marijuana Science Forum

2014- current Member, Wisconsin State Council on Alcohol and Other Drug Abuse Prevention Committee, Cannabis Ad-hoc Committee.

2015 Ad-hoc Reviewer, NIH/NIDA I/START review session

2014-2015 UWM Clinical Psychology Admissions Chair

2014- current UWM Psychology Alumni Relations Committee Co-Chair

2013- current UWM Awards and Recognition Committee (ARC) Member

2012- current UWM Honorary Degrees Program Committee Member

2013- current UWM Psychology Department Diversity Committee

2011- current UWM Psychology Department Colloquium Committee Member

2011- current UWM Psychology Department Graduate Admission Committee Member

2011- current UWM Psychology Department Clinical Training Committee Faculty Member

2012- current APA Division 50 (SoAP) Member-at-Large-Science position

2012- current APA Division 50 (SoAP) Scientific Advisory Committee Member (2012-2013), Chair (2014-2015)

2014 Guest Reviewer, Medical Research Council (MRC), United Kingdom

2014 UWM Nominations Committee Member

2013 Ad-hoc Reviewer, NIH/NIDA FOA October 2013 review

2012-2014 APA Division Society for Clinical Neuropsychology (SCN) Program Committee Co-Chair (2012-2013) and Chair (2013-2014)

2013 Guest reviewer, NSF Decision, Risk and Management Sciences Division

2013-2014 UWM Childhood and Adolescence Studies Advisory Committee

2011 Served as guest reviewer, NIH Biobehavioral and Behavioral Processes (BBBP-D02) IRG

2010-2012 APA Division 40 Program Committee Co-Chair and Chair

2009-2011 University of Cincinnati Psychology Clinical Placement Committee

2007-2010 University of Cincinnati Psychology Department Colloquium Committee

2007-2013 APA Division 50 Nominations and Elections Committee Member

2007-2008 University of Cincinnati Psychology Department Workload Committee

2008 Coordinated Safe Zone LGBT training for University of Cincinnati Psychology Department

JOURNAL REVIEWING

2012-Present Editorial Board Member, *Journal of Addiction*

2005-Present Reviewer: *Addiction; Addiction Biology; Alcohol & Alcoholism; Alcoholism: Clinical and Experimental Research; American Journal of Drug and Alcohol Abuse; Archives of Clinical Neuropsychology;*

Assessment; Biological Psychiatry; Brain Research; Brain Sciences; Developmental Cognitive Neuroscience; Drug and Alcohol Dependence; Human Brain Mapping; International Journal of Neuropsychopharmacology; Journal of Child Psychiatry and Psychology; Journal of Clinical and Experimental Neuropsychology; Journal of the International Neuropsychological Society; Journal of Studies on Alcohol; Journal of Rheumatology; NeuroImage; NeuroImage-Clinical; Neuroimaging; Neuropsychologia; Neuropsychology; Neuropsychology Review; Neuropsychopharmacology; Neuro-Psychopharmacology & Biological Psychiatry; Neuroscience and Biobehavioral Reviews; Pediatrics; Pharmacology, Biochemistry and Behavior; PLoS ONE; Psychiatry Research: Neuroimaging; Psychiatry Research: Progress in Neuro-Psychopharmacology & Biological Psychiatry; Psychiatry Review; Psychopharmacology; Psychology of Addictive Behaviors

PROFESSIONAL MEMBERSHIPS

2014-Present Society for Neuroscience (SfN), Regular Member
 2013-Present College of Problems of Drug Dependence (CPDD), Regular Member
 2011-2013 Research Society on Alcoholism (RSOA), Regular Member
 1999-Present American Psychological Association (APA),
 Member of Division 40 (Society for Clinical Neuropsychology),
 Division 50 (SoAP) and Division 28 (Psychopharmacology)
 1999-Present International Neuropsychological Society (INS), Regular Member

COMMUNITY OUTREACH AND MEDIA COVERAGE

5/15 Invited Address, *How Marijuana and Alcohol Impact Your Brain*, school education session at Shared Journeys school.
 3/15 Interview, *Pot Can Trigger Psychotic Symptoms for Some, But Do The Effects Last*; NPR, Shots.
 8/14 Interviews, USA Today, CBS News, Time Magazine (online), APA Radio, WISC-TV: *Effects of cannabis on the teenage brain*
 7/14 Interview, *The Namibian, Effects of Cannabis on Adolescent Health*
 7/14 Interview, *CNN.com, Effects of Binge Drinking and Drugs on Adolescent Health*
 3/14 Interview, WI Radio 620, *Impact of marijuana use on cognition*
 3/14 Interview, WHYY Radio, *Effects of marijuana on the teenage brain*
 3/14 Radio Interview, National Public Radio, Morning Edition, *Marijuana May Hurt The Developing Teen Brain*
 1/14 Interview, Philadelphia Inquirer, *Research indicates regular pot use may harm developing brains.*
 1/13 Interview, UWM 2013 Research Report, *Teen Brains on Pot*
 8/12 Television Interview, ABC 20/20, *Do Hangover Cures Work?*
 7/12 Radio Interview, Milwaukee Public Radio, UWM Today, *Effects of Exercise and Drug Use on the Teen Brain*
 6/12 Radio Interview, Milwaukee Public Radio, *Lake Effects Effects of Marijuana on the Teenage Brain*
 7/11 Radio Interview, Reuters, *Binge drinking can damage young brains.*
 10/10 Interview, Orange County Register, *Doctors warn of Prop. 19's Collateral Damage.*
 7/10 Radio Interview, Wisconsin Public Radio, *Binge Drinking in Teens*
 3/10 Interview, *CNN.com, The Facts Behind Hangover Remedies*
 3/10 Interview, *Seventeen Magazine, Marijuana Use in Teen Girls*
 9/09 Radio Interview, Mark Heyne, WVXU Radio/NPR, *UC to Study Ecstasy's Effects on Brain Development*
 9/09 Interview, UC Magazine, *New grant examining effects of ecstasy on the brain.*
 5/09 Interview, University of Cincinnati *The News Record, Dangers of Poppy Seed Tea report.*
 10/08 Interview, UC Magazine, *Research Finds that Marijuana Use Takes Toll on Adolescent Brain.*
 11/08 Interview, Australia Broadcasting Commission series *Adolescent Brain Development.*
 2007 Participant, HRM Video *Marijuana Papers: Research Update*