

CURRICULUM VITAE

University of Texas Health Science Center At San Antonio

December 12, 2008

NAME Charles W. Mathias, Ph.D.

CURRENT ACADEMIC TITLE

Assistant Professor, Department of Psychiatry

EDUCATION

August 1989	May 1993	Bachelor of Science in Psychology Indiana University; Bloomington, Indiana
August 1995	August 1997	Master of Science in Applied Biopsychology Department of Psychology, University of New Orleans, Louisiana. <u>Master's Thesis:</u> The Effect of Novelty and Stress on the P300 Component of the Visual Evoked Potential in Impulsive Aggressors. <i>Mentor:</i> Matthew S. Stanford, Ph.D. <i>Committee:</i> Drs. Kevin W. Greve, Richard D. Olson, and Matthew S. Stanford.
August 1997	December 2000	Doctor of Philosophy in Applied Biopsychology Department of Psychology, University of New Orleans, Louisiana. <u>Doctoral Dissertation:</u> The Barratt Impulsiveness Scale: An Examination of Autonomic, Neuropsychological, and Laboratory Function. <i>Mentor:</i> Matthew S. Stanford, Ph.D. <i>Committee:</i> Drs. Paul J. Frick, Kevin W. Greve, Gerald J. LaHoste, Matthew S. Stanford, and Anthony L. Vaccarino.

POSTDOCTORAL TRAINING

December 2000	August 2004	Post-Doctoral Fellowship in Psychopharmacology Department of Psychiatry and Behavioral Sciences University of Texas Health Science Center at Houston, Houston, Texas. <i>Mentor:</i> Donald M. Dougherty, Ph.D.
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ACADEMIC APPOINTMENTS

August 1995	May 2000	Teaching Assistant supervised by Richard D. Olson, Ph.D. Department of Psychology University of New Orleans, LA.
August 1997	May 1998	Research Intern supervised by Sheila Yates, MPH Post-Acute Brain Injury Program; Touro Infirmary; New Orleans, LA.
January 1998	May 1998	Research Intern supervised by Kevin W. Greve, Ph.D. Jefferson Neurobehavioral Group; Metairie, LA.
May 2000	December 2000	Research Assistant supervised by Matthew S. Stanford, Ph.D. Department of Psychology University of New Orleans, LA.
December 2000	November 2002	Post-Doctoral Research Fellow supervised by Donald M. Dougherty, Ph.D. Department of Psychiatry and Behavioral Sciences University of Texas Health Science Center at Houston, TX.
November 2002	August 2004	Post-Doctoral Research Fellow II supervised by Donald M. Dougherty, Ph.D. Department of Psychiatry and Behavioral Sciences University of Texas Health Science Center at Houston, TX.
September 2004	September 2007	Associate Faculty Department of Physiology and Pharmacology Wake Forest University School of Medicine, Winston-Salem, NC.

September 2004	September 2007	Assistant Professor Graduate School of Arts and Sciences Wake Forest University, Winston-Salem, NC.
January 2006	September 2007	Assistant Professor Neuroscience Program Wake Forest University School of Medicine, Winston-Salem, NC.
September 2004	September 2007	Assistant Professor Department of Psychiatry and Behavioral Medicine Wake Forest University School of Medicine, Winston-Salem, NC.
September 2007	present	Assistant Professor Department of Psychiatry The University of Texas Health Science Center at San Antonio, San Antonio, TX.
January 2008	present	Member Center for Biomedical Neuroscience The University of Texas Health Science Center at San Antonio, San Antonio, TX.

INSTITUTIONAL SERVICE

2004 - 2007	Research Committee , Department of Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.
2004 - 2007	Grant and Manuscript Review Group , Department of Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.
2005 - 2007	Medical School Admissions - Interviewer , Wake Forest School of Medicine, Winston-Salem, NC
2005 - 2007	Child/Adolescent Psychiatry Section - Resident Training Committee Department of Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.
2005 - 2007	Oversight Committee for <i>Translational Research on Adolescent Cannabis Use</i> . Hanley Foundation & Department of Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.

- 2005 - 2006 **Renewal Planning Committee** - *Translational Center for the Neurobehavioral Study of Alcohol*, Department of Physiology and Pharmacology, Wake Forest University School of Medicine, Winston-Salem, NC.
- 2006 - 2007 **Magnetoencephalography Research Advisory Committee**, Department of Neurology, Wake Forest School of Medicine, Winston-Salem, NC
- 2006 - 2007 **Research Spotlight - Faculty Coordinator**, Department of Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC.
- 2007 - present **Web Administrator**, Neurobehavioral Research Laboratory and Clinic. www.nrlc-group.net. As of 12/12/2008 this site has 3,932 hits.

PROFESSIONAL MEMBERSHIPS

- 1996 – present Society for Neuroscience
- 1996 – present Society for Psychophysiological Research
- 2002 – present Research Society on Alcoholism
- 2003 – present American Association of Suicidology
- 2003 – present International Society for Research on Impulsivity (Charter Member)
- 2005 – 2007 Western North Carolina Chapter of the Society for Neuroscience
- 2008 – present Texas Research Society on Alcoholism

HONORS AND AWARDS:

- 1991 - 1993 **Dean's Academic Honors**
Indiana University; Bloomington, Indiana.
- 1998 **Outstanding Graduate Student – Commendation**
University of New Orleans, Louisiana.
- 1998 **Sigma Xi Research Award - Commendation**
University of New Orleans, Louisiana.
- 1999 **Andrew S. Wensel Distinguished Graduate Student Award**
University of New Orleans, Louisiana.
- 2000 **Student Travel Award**
Society for Psychophysiological Research, San Diego, California.
- 2003 **NIDA - Women and Gender Junior Investigator Travel Award**
National Institute on Drug Abuse and the College of Problems of Drug Dependence, Bal Harbour, Florida.

2003 **NIDA – Mini-Convention *Frontiers in Addiction Research* Travel Award**
National Institute on Drug Abuse, New Orleans, Louisiana.

2005 **ISRI - Junior Faculty Travel Award**
International Society for Research on Impulsivity, Washington, D.C.

PROFESSIONAL INTERESTS

My primary area of research interest is in the assessment of impulsivity and aggression, incorporating behavioral, self-report, neuropsychological, and physiological domains. My primary expertise in terms of research tools are event related potentials (e.g. P300), startle-reflex modification, and autonomic measures. Current research projects span four topical areas: (1) Conduct Disorder and Attention Deficit/Hyperactivity Disorder; (2) adolescent suicidal behaviors; (3) adolescent substance abuse (primarily marijuana); and (4) adult alcohol administration.

EDITORIAL CONSULTATION

- 2004 - present ad hoc editorial consultant for *Drug and Alcohol Dependence*
- 2006 - present ad hoc editorial consultant for *Alcoholism: Clinical and Experimental Research*
- 2006 - present ad hoc editorial consultant for the *Journal of Personality Assessment*
- 2006 - present ad hoc editorial consultant for *Neuroscience and Biobehavioral Reviews*
- 2007 - present ad hoc editorial consultant for *American Journal of Men's Health*
- 2007 - present ad hoc editorial consultant for *Biological Psychiatry*
- 2007 - present ad hoc editorial consultant for *Perceptual and Motor Skills*
- 2007 - present ad hoc editorial consultant for *Psychological Medicine*
- 2007 - present ad hoc editorial consultant for *Psychological Record*
- 2007 - present ad hoc editorial consultant for *Psychophysiology*
- 2007 - present ad hoc editorial consultant for *Psychiatry Research*
- 2008 - present ad hoc editorial consultant for *Personality and Individual Differences*
- 2008 - present ad hoc editorial consultant for *Psychology of Addictive Behaviors*

GRANT FUNDING

Current Grant Funding:

- 1. Behavioral Models of Impulsivity: Alcohol and 5-HT Effects**
National Institute on Alcohol Abuse and Alcoholism (R01-AA-014988)
Direct Cost \$1,125,000, funding from 04/01/05 to 03/31/10
Principal Investigator: Donald M. Dougherty, Ph.D.
Role: Co-Investigator
- 2. Impulsivity Assessment among At-Risk Adolescents**
National Institutes of Health - Loan Repayment Program for Clinical Research
Direct Cost \$44,152, funding from 07/01/05 to 06/30/09
Principal Investigator: Charles W. Mathias, Ph.D.
- 3. Impulsivity and Information Processing in Adolescent Cannabis Abuse**
National Institute on Drug Abuse (R21-DA-020993)
Direct Cost \$600,000, funding from 09/25/05 to 08/31/08
Principal Investigator: Donald M. Dougherty, Ph.D.
Role: Co-Investigator
- 4. Impulsivity and Biological Markers for Suicidality and Drug Use in Adolescents**
National Institute of Mental Health (R01-MH-077684)
Direct Cost \$2,437,040, funding from 04/01/07 to 03/31/12
Principal Investigator: Donald M. Dougherty, Ph.D.
Role: Co-Investigator

Completed Grant Funding:

- 1. Aggression and Women: Alcohol and Serotonin Relationship**
National Institute on Alcohol Abuse and Alcoholism (R01-AA-012046)
Direct Cost \$750,000, funding from 09/01/99 to 05/31/06.
Principal Investigator: Donald M. Dougherty, Ph.D.
Role: Co-Investigator.
- 2. The Relationship of Impulsivity to Symptoms of Suicidal Behavior**
National Institute of Mental Health (R01-MH-065566)
Direct Costs \$525,000, funding from 09/25/02 to 08/31/06.
Principal Investigator: Donald M. Dougherty, Ph.D.
Role: Co-Investigator
- 3. PA-01-079 *Research Supplements for Underrepresented Minorities* to support
The Relationship of Impulsivity to Symptoms of Suicidal Behavior**
National Institute of Mental Health (R01-MH-065566-S1)

Direct Costs \$71,400, funding from 09/01/03 to 08/31/04

Principal Investigator: Donald M. Dougherty, Ph.D.; Student: Camelia Matthews

Role: Faculty Mentor

4. PA-05-115 *Research Supplement to Promote Diversity in Health Research to support Behavioral Models of Impulsivity: Alcohol and 5-HT Effects*

National Institute on Alcohol Abuse and Alcoholism (R01-AA-014988-S1)

Direct Cost \$90,923, funding from 07/01/05 to 06/30/07

Principal Investigator: Donald M. Dougherty, Ph.D.; Student: Marla Torrence

Role: Faculty Mentor

5. Multi-Disciplinary Training in the Biology of Alcoholism

National Institute on Alcohol Abuse and Alcoholism (T32-AA-07565)

Direct Cost \$358,837, funding from 08/15/05 to 07/01/07

Principal Investigator: David Friedman, Ph.D.

Role: Faculty Mentor

6. Effects of Serotonin on Behavioral Activation and Impulsivity

Wake Forest University Research Fellowship Program

Direct Cost \$4,000, funding from 06/01/07 to 07/31/07

Student: Meagan McSwiggan

Principal Investigators: Charles W. Mathias, Ph.D. & R. Michael Furr, Ph.D.

Role: Co-Principal Investigator

7. Impulsivity Models: Behavioral Mechanisms

National Institute of Mental Health (R01-MH-063908)

Direct Cost \$875,000, funding from 04/01/02 to 09/30/07

Principal Investigator: Donald M. Dougherty, Ph.D.

Role: Co-Investigator

8. Impulsivity and Information Processing in Adolescent Cannabis Abuse

National Institutes of Health - Loan Repayment Program for Clinical Research

Direct Cost \$25,650, funding from 07/01/06 to 10/01/07

Principal Investigator: Donald M. Dougherty, Ph.D.; Trainee: Erin E. Shannon, Ph.D.

Role: Faculty Mentor

BIBLIOGRAPHY

Chapters in Books:

1. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2003). Laboratory measures of impulsivity. In E. F. Coccaro (Ed.), Aggression: Psychiatric Assessment and Treatment. Medical Psychiatric Series No. 22 (pp. 247-265). New York: Marcel Dekker Publishers.
2. **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2006). Immediate and Delayed Memory Tasks. In N. J. Salkind and K. Rasmussen (Eds.), The Encyclopedia of Measurement and Statistics Vol. 2 (pp. 452-453). Thousand Oaks, CA: Sage Publications.
3. **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2006). Laboratory Behavioral Measures of Impulsivity. In N. J. Salkind and K. Rasmussen (Eds.), The Encyclopedia of Measurement and Statistics Vol. 2 (pp. 525-526). Thousand Oaks, CA: Sage Publications.
4. Goldston, D. B., Daniel, S. S., **Mathias, C. W.**, and Dougherty, D. M. (2007). Suicidal and non-suicidal self-harm behaviors in adolescent substance use disorders. In Y. Kaminer and O. Bukstein (Eds.), Adolescent Substance Abuse: Psychiatric Comorbidity and High Risk Behaviors (pp. 323-354). New York, NY: Routledge: Taylor & Francis Group.
5. Busch, A. M., Cornette, M. M., **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (in press). Suicide and life-events. In A. Shrivastava (Ed.), International Handbook on Suicidal Behaviour. London, UK: Gaskell Publications.
6. Cornette, M. M., Marsh, D. M., **Mathias, C. W.**, deRoon-Cassini, T. A., and Dougherty, D. M. (in press). Cognition and suicide. In A. Shrivastava (Ed.), International Handbook on Suicidal Behaviour. London, UK: Gaskell Publications.
7. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., and Dawes, M. A. (in press). Suicide and Substance Abuse. In A. Shrivastava (Ed.), International Handbook on Suicidal Behaviour. London, UK: Gaskell Publications.
8. **Mathias, C. W.** (in press). Sensitivity. In N. J. Salkind (Ed.), Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publications, Inc.
9. **Mathias, C. W.** (in press). Specificity. In N. J. Salkind (Ed.), Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publications, Inc.
10. **Mathias, C. W.** (in press). White Noise. In N. J. Salkind (Ed.), Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publications, Inc.

11. Richard, D. M., **Mathias, C. W.**, Bjork, J. M., & Dougherty, D. M. (in review). Conduct Disorder, comorbidities, and response inhibition deficits in adolescents. In F. Columbus (Ed.), Impulsivity: Causes, Control and Disorders. Hauppauge, NY: Nova Science Publishers, Inc.

Published Journals Articles:

1. Stanford, M. S., Greve, K. W., Boudreaux, J. K., **Mathias, C. W.**, and Brumblow, J. L. (1996). Impulsiveness and risk-taking behavior: Comparison of high school and college students using the Barratt Impulsiveness Scale. Personality and Individual Differences, 21, 1073-1075.
2. Gerstle, J. E., **Mathias, C. W.**, and Stanford, M. S. (1998). Auditory P300 and self-reported impulsive aggression. Progress in Neuropsychopharmacology and Biological Psychiatry, 22, 575-583.
3. **Mathias, C. W.** and Stanford, M. S. (1999). P300 under standard and surprise conditions in self-reported impulsive aggression. Progress in Neuropsychopharmacology and Biological Psychiatry, 23, 1037-1051.
4. Fos, L. A., Greve, K. W., South, M. B., **Mathias, C. W.**, and Benefield, H. (2000). Paced Visual Serial Addition Test: An alternative measure of information processing speed. Applied Neuropsychology, 7, 140-146.
5. Bianchini, K. J., **Mathias, C. W.**, and Greve, K. W. (2001). Symptom validity testing: A critical review. The Clinical Neuropsychologist, 15, 19-45.
6. Bianchini, K. J., **Mathias, C. W.**, Greve, K. W., Houston, R. J., and Crouch, J. A. (2001). Classification accuracy of the Portland Digit Recognition Test in traumatic brain injury. The Clinical Neuropsychologist, 15, 461-470.
7. Greve, K. W., Sherwin, E., Stanford, M. S., **Mathias, C. W.**, Love, J. M., and Ramzinski, P. (2001). Personality and neurocognitive correlates of impulsive aggression in long-term survivors of severe traumatic brain injury. Brain Injury, 15, 255-262.
8. Seltzer, B., Vasterling, J. J., **Mathias, C. W.**, and Brennan, A. (2001). Clinical and neuropsychological correlates of impaired awareness of deficits in Alzheimer Disease and Parkinson Disease: A comparative study. Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 14, 122-129.
9. Stanford, M. S., Houston, R. J., **Mathias, C. W.**, Greve, K. W., Villemarette-Pittman, N. R., and Adams, D. (2001). A double-blind placebo-controlled crossover study of phenytoin in individuals with impulsive aggression. Psychiatry Research, 103, 193-203.

10. Stanford, M. S., Vasterling, J. J., **Mathias, C. W.**, Constans, J. I., and Houston, R. J. (2001). Impact of threat relevance on P300 event-related potentials in combat-related Post-Traumatic Stress Disorder. Psychiatry Research, 102, 125-137.
11. Dougherty, D. M., Marsh, D. M., and **Mathias, C. W.** (2002). Immediate and Delayed Memory Tasks: A computerized measure of memory, attention, and impulsivity. Behavior Research Methods, Instruments, and Computers, 34, 391-398.
12. Greve, K. W., Bianchini, K. J., **Mathias, C. W.**, Houston, R. J., and Crouch, J. A. (2002). Detecting malingered performance with the Wisconsin Card Sorting Test: A preliminary investigation in traumatic brain injury. The Clinical Neuropsychologist, 16, 179-191.
13. Greve, K. W., Love, J. M., Sherwin, E., **Mathias, C. W.**, Houston, R. J., and Brennan, A. (2002). Temporal stability of the Wisconsin Card Sorting Test in a chronic traumatic brain injury sample. Assessment, 9, 271-277.
14. Greve, K. W., Love, J. M., Sherwin, E., **Mathias, C. W.**, and Ramzinski, P. (2002). Wisconsin Card Sorting Test in chronic severe traumatic brain injury: Factor structure and performance subgroups. Brain Injury, 16, 29-40.
15. Greve, K. W., Love, J., Sherwin, E., Stanford, M. S., **Mathias, C. W.**, and Houston, R. (2002). Cognitive strategy usage in long-term survivors of severe traumatic brain injury with persisting impulsive aggression. Personality and Individual Differences, 32, 639-647.
16. Marsh, D. M., Dougherty, D. M., **Mathias, C. W.**, Moeller, F. G., and Hicks, L. R. (2002). Comparisons of women with high and low trait impulsivity using behavioral models of response-disinhibition and reward-choice. Personality and Individual Differences, 33, 1291-1310.
17. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., Moeller, F. G., Hicks, L. R., Dasher, K., and Bar-Eli, L. (2002). Laboratory measures of impulsivity: A comparison of women with or without childhood aggression. Psychological Record, 52, 289-303.
18. **Mathias, C. W.**, Greve, K. W., Bianchini, K. J., Houston, R. J., and Couch, J. A. (2002). Detecting malingered neurocognitive dysfunction using the Reliable Digit Span in traumatic brain injury. Assessment, 9, 301-308.
19. Mathias, C. W., Marsh, D. M., and Dougherty, D. M. (2002). Reliability estimates for the Immediate and Delayed Memory Tasks. Perceptual and Motor Skills, 95, 559-569.

20. Moeller, F. G., Dougherty, D. M., Barratt, E. S., Oderinde, V., **Mathias, C. W.**, Harper, R. A., and Swann, A. C. (2002). Increased impulsivity in cocaine dependent subjects independent of Antisocial Personality Disorder and aggression. Drug and Alcohol Dependence, *68*, 105-111.
21. Dougherty, D. M., Bjork, J. M., Harper, R. A., Marsh, D. M., Moeller, F. G., **Mathias, C. W.**, and Swann, A. C. (2003). Behavioral impulsivity paradigms: A comparison in hospitalized adolescents with disruptive behavior disorders. Journal of Child Psychology and Psychiatry, *44*, 1145-1157.
22. Dougherty, D. M., Bjork, J. M., Harper, R. A., **Mathias, C. W.**, Moeller, F. G., and Marsh, D. M. (2003). Validation of the Immediate and Delayed Memory Tasks in hospitalized adolescents with disruptive behavior disorders. Psychological Record, *53*, 509-532.
23. Dougherty, D. M., Bjork, J. M., Moeller, F. G., Harper, R. A., Marsh, D. M., **Mathias, C. W.**, and Swann, A. C. (2003). Familial transmission of Continuous Performance Test behavior: Attentional and impulsive response characteristics. Journal of General Psychology, *130*, 5-21.
24. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., Greve, K. W., Bjork, J. M., and Moeller, F. G. (2003). Commission error rates on a Continuous Performance Test are related to deficits measured by the Benton Visual Retention Test. Assessment, *10*, 3-12.
25. Greve, K. W., Bianchini, K. J., **Mathias, C. W.**, Houston, R. J., and Crouch, J. A. (2003). Detecting malingered performance on the Wechsler Adult Intelligence Scale: Validation of Mittenberg's approach in traumatic brain injury. Archives of Clinical Neuropsychology, *18*, 245-260.
26. Love, J. M., Greve, K. W., Sherwin, E., and **Mathias, C. W.** (2003). Comparability of the standard WCST and WCST-64 in traumatic brain injury. Applied Neuropsychology, *10*, 246-251.
27. **Mathias, C. W.**, and Stanford, M. S. (2003). Impulsiveness and arousal: Heart rate under conditions of rest and challenge in healthy males. Personality and Individual Differences, *35*, 355-371.
28. Stanford, M. S., Houston, R. J., **Mathias, C. W.**, Villemarette-Pittman, N. R., Helfritz, L. W., and Conklin, S. M. (2003). Characterizing aggressive behavior. Assessment, *10*, 183-190.
29. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., Moeller, F. G., and Swann, A. C. (2004). Suicidal behaviors and drug abuse: Impulsivity and its assessment. Drug and Alcohol Dependence, *76s*, 93-105.

30. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., Papageorgiou, T. D., Swann, A. C., and Moeller, F. G. (2004). Laboratory measured behavioral impulsivity relates to suicide attempt history. *Suicide and Life-Threatening Behavior*, *34*, 374-385.
31. Dougherty, D. M., **Mathias, C. W.**, Tester, M. L., and Marsh, D. M. (2004). Age at first drink relates to behavioral measures of impulsivity: The Immediate and Delayed Memory Tasks. *Alcoholism: Clinical and Experimental Research*, *28*, 408-414.
32. **Mathias, C. W.**, Stanford, M. S., and Houston, R. J. (2004). The physiological experience of the Paced Auditory Serial Addition Task (PASAT): Does the PASAT induce autonomic arousal? *Archives of Clinical Neuropsychology*, *19*, 543-554.
33. Moeller, F. G., Barratt, E. S., Fischer, C. J., Dougherty, D. M., Reilly, E. L., **Mathias, C. W.**, and Swann, A. C. (2004). P300 event related potential amplitude and impulsivity in cocaine dependent subjects. *Neuropsychobiology*, *50*, 167-173.
34. Villemarette-Pittman, N. R., Stanford, M. S., Greve, K. W., Houston, R. J., and **Mathias, C. W.** (2004). Obsessive-Compulsive Personality Disorder and behavioral disinhibition. *Journal of Psychology: Interdisciplinary and Applied*, *138*, 5-22.
35. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, and Swann, A. C. (2005). The conceptualization and role of impulsivity: Bipolar Disorder and Substance Abuse. *Psychiatric Times*, *22*, 32-35.
36. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., and Jagar, A. A. (2005). Laboratory behavioral measures of impulsivity. *Behavior Research Methods*, *37*, 82-90.
37. Addicott, M. A., Marsh-Richard, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2007). The biphasic effects of alcohol: Comparison of subjective and objective measures of stimulation, sedation, and physical activity. *Alcoholism: Clinical and Experimental Research*, *31*, 1883-1890.
38. Badawy, A. A.-B., Morgan, C. J., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Jagar, A. A., Addicott, M. A., and Moeller, F. G. (2007). The acute tryptophan depletion and loading tests: Specificity issues. *International Congress Series*, *1304C*, 159-166.
39. Badawy, A. A.-B., Morgan, C. J., Turner, J. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., and Jagar, A. A. (2007). Assessment of the kynurenine pathway in humans: I. Normal plasma values, ethnic differences and their clinical implications. *International Congress Series*, *1304C*, 335-343.

40. Dougherty, D. M., Dew, R. E., **Mathias, C. W.**, Marsh, D. M., Addicott, M. A., and Barratt, E. S. (2007). Impulsive and premeditated subtypes of aggression in Conduct Disorder: Differences in time estimation. Aggressive Behavior, *33*, 574-582.
41. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Dawes, M. A., Bradley, D. M., Morgan, C. J., and Badawy, A. A. B. (2007). The effects of alcohol on laboratory-measured impulsivity after L-tryptophan depletion or loading. Psychopharmacology, *193*, 137-150.
42. Dougherty, D. M., **Mathias, C. W.**, Liguori, A., Marsh, D. M. Dawes, M. A. and Moeller, F. G. (2007). Behavioral impulsivity in adolescents with Conduct Disorder who use Marijuana. Addictive Disorders and Their Treatment, *6*, 43-50.
43. Furr, R. M., Dougherty, D. M., Marsh, D. M., and **Mathias, C. W.** (2007). Personality judgment and personality pathology: Self-other agreement in adolescents with Conduct Disorder. Journal of Personality, *75*, 629-662.
44. **Mathias, C. W.**, Furr, R. M., Daniel, S. S., Marsh, D. M., Shannon, E. E., and Dougherty, D. M. (2007). The relationship of inattentiveness, hyperactivity, and psychopathy among adolescents. Personality and Individual Differences, *43*, 1333-1343.
45. **Mathias, C. W.**, Stanford, M. S., Marsh, D. M., Frick, P. J., Moeller, F. G., Swann, A. C., and Dougherty, D. M. (2007). Characterizing aggressive behavior with the Impulsive/Premeditated Aggression Scale among adolescents with Conduct Disorder. Psychiatry Research, *151*, 231-242.
46. Shannon, E. E., **Mathias, C. W.**, Marsh, D. M., Dougherty, D. M., and Liguori, A. (2007). Teenagers don't always lie: Characteristics and correspondence of telephone and in-person reports of adolescent drug use. Drug and Alcohol Dependence, *90*, 288-291.
47. Dawes, M. A., **Mathias, C. W.**, Richard, D. M., Hill-Kapturczak, N., and Dougherty, D. M. (2008). Adolescent suicidal behavior and substance use: Developmental mechanisms. Substance Abuse: Research and Treatment, *2*, 13-28.
48. Dougherty, D. M., Marsh-Richard, D. M., Hatzis, E. S., Nouvion, S. O., and **Mathias, C. W.** (2008). A test of alcohol dose effects on multiple behavioral measures of impulsivity. Drug and Alcohol Dependence, *96*, 111-120.

49. Dougherty, D. M., Marsh-Richard, D. M., **Mathias, C. W.**, Jagar, A. A., Addicott, M. A., Moeller, F. G., Morgan, C. J., and Badawy, A. A.-B. (2008). Comparison of 50g and 100g L-tryptophan depletion and loading formulations for altering 5-HT Synthesis: Pharmacokinetics, side effects, and mood states. Psychopharmacology, *198*, 431-445.
50. **Mathias, C. W.**, Marsh-Richard, D. M., and Dougherty, D. M. (2008). Behavioral measures of impulsivity and the law. Behavioral Sciences and the Law, *26*, 691-707.

Journal Articles, Accepted for Publication:

51. Dougherty, D. M., **Mathias, C. W.**, Marsh-Richard, D. M., Furr, R. M., Nouvion, S. O., and Dawes, M. A. (in press). Distinctions in behavioral impulsivity: Implications for substance abuse research. Addictive Disorders and Their Treatment.
52. Dougherty, D. M., **Mathias, C. W.**, Marsh-Richard, D. M., Pevette, K. N., Dawes, M. A., Shannon, E. E., Palmes, G., and Nouvion, S. O. (in press). Impulsivity and clinical symptoms among adolescents with non-suicidal self-injury with or without attempted suicide. Psychiatry Research.
53. Gauthier, K. J., Furr, R. M., **Mathias, C. W.**, Marsh-Richard, D. M., and Dougherty, D. M. (in press). Differentiating impulsive and premeditated aggression: Self and informant perspectives among adolescents with personality pathology. Journal of Personality Disorders.
54. Marsh-Richard, D. M., Dawes, M. A., **Mathias, C. W.**, Acheson, A., Hill-Kapturczak, N., and Dougherty, D. M. (in press). L-tryptophan: Basic Metabolic Functions, Behavioral Research, and Therapeutic Indications. International Journal of Tryptophan Research.
55. Marsh-Richard, D. M., Hatzis, E. S., **Mathias, C. W.**, Venditti N., and Dougherty, D. M. (in press). The Adaptive Visual Analog Scale (AVAS): A modifiable software program for the creation, administration, and scoring of visual analog scales. Behavior Research Methods.

Journal Articles, Under Editorial Review

56. Dawes, M. A., Roache, J. D., Javors, M. A., Bergeson, S. E., Leach, R. J., Dougherty, D. M., **Mathias, C. W.**, Richard, D. M., Ait-Daoud Tiouririne, N., and Johnson, B. A. (in review). Drinking histories in alcohol-use-disordered youth: Relationships to platelet serotonin transporter expression with genotypes of the serotonin transporter. Life Sciences.

57. Stanford, M. S., **Mathias, C. W.**, Dougherty, D. M., Lake, S. L., Anderson, N. E., and Patton, J. H. (in review). Fifty Years of the Barratt Impulsiveness Scale: An Update and Review. Personality and Individual Differences.

Published Letters

Dawes, M. A., Richard, D. M., Mathias, C. W., and Dougherty, D. M. (2008). Prospective study of cannabis withdrawal in cannabis-using adolescents. Journal of the American Academy of Child and Adolescent Psychiatry, *47*, 1095-1096.

Published Abstracts of Papers/Poster Sessions Presented at Scientific Meetings:

1. Stanford, M. S., Greve, K. W., **Mathias, C. W.**, and Houston, R. J. (1998). Murderers not guilty by reason of insanity and impulsive aggressive psychiatric outpatients: An EEG/ERP comparison. Psychophysiology, *35*, s79.
2. Fos, L. A., Greve, K. W., South, M. B., **Mathias, C. W.**, and Benefield, H. (1999). Paced Visual Serial Addition Test: An alternative measure of information processing speed. Archives of Clinical Neuropsychology, *14*, s455.
3. Greve, K. W., Love, J. M., Sherwin, E., **Mathias, C. W.**, Ramzinski, P., Levy, J., Chenault, J. E., and Quintanilla, V. A. (1999). Wisconsin Card Sorting Test in chronic traumatic brain injury. Archives of Clinical Neuropsychology, *14*, s497.
4. **Mathias, C. W.**, Stanford, M. S., Vasterling, J. J., Constans, J. I., and Houston, R. J. (2000). Selective information processing among Vietnam veterans with Post-Traumatic Stress Disorder: A P300 manipulation. Psychophysiology, *37*, s68.
5. Houston, R. J., **Mathias, C. W.**, Johnston, M. S., Villemarette-Pittman, N., and Stanford, M. S. (2000). Effect of phenytoin on mid-latency evoked potentials in impulsive aggression. Psychophysiology, *37*, s49.
6. **Mathias, C. W.**, Dougherty, D. M., Oderinde, V. A., Moeller, F. G., Harper, R. A., Richard, D. M., Bjork, J. M. (2001). Suicidality and a laboratory measure of impulsivity. Society for Neuroscience Abstracts, *6*, 742.
7. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, and Moeller, F. G. (2002). Alcohol induced aggression: Menstrual phase shifts. Biological Psychiatry, *51*, s130.
8. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., and Moeller, F. G. (2002). Aggressive responding during tryptophan depletion and augmentation: Women with high and low Buss-Perry Aggression Questionnaire scores. Alcoholism: Clinical and Experimental Research, *5*, 105.

9. Greve, K. W., **Mathias, C. W.**, Bianchini, K. J., and Houston, R. J. (2002). Malingering on the WAIS: Validation of Mittenberg's approach to detection. Journal of the International Neuropsychological Society, *8*, 247.
10. Marsh, D. M., Dougherty, D. M., Moeller, F. G., **Mathias, C. W.**, Swann, A. C., and Spiga, R. (2002). Plasma tryptophan levels predict laboratory aggressive response to acute tryptophan depletion and augmentation. Biological Psychiatry, *51*, s131.
11. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., and Moeller, F. G. (2002). Aggressive responding of women during acute alcohol administration: Differential responding dependent on menstrual cycle phase. Alcoholism: Clinical and Experimental Research, *26*, s77.
12. Moeller, F. G., Fischer, C. J., Dougherty, D. M., Reilly, E. L., **Mathias, C. W.**, and Swann, A. C. (2003). Increased impulsivity is related to auditory event-related potentials in cocaine dependent subjects. Clinical Electroencephalography, *3*, 171.
13. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., and Badawy, A. A-B. (2004). Impulsive behaviour differences following combined alcohol and L-tryptophan depletion/loading manipulation. Journal of Psychopharmacology, *18*, A32.
14. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., and Lee, M. (2004). Age at first drink in women relates to behavioral measures of impulsivity. NIDA Research Monograph 184: Problems of Drug Dependence 2003: Proceedings of the 65th Annual Scientific Meeting. Government Printing Office, Washington, D.C.
15. Addicott, M. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Jagar, A. A., and Badawy, A. A-B. (2005). Comparison Between 50 and 100 g amino acid formulations for the manipulation of plasma L-tryptophan. 35th Society for Neuroscience annual meeting neurobiology of lipids sessions. Neurobiology of Lipids, *4*, #921.15. Freely available at: <http://neurobiologyoflipids.org/content/4/3/>
16. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., Jagar, A. A., Morgan, C. J., and Badawy, A. A-B. (2005). Time-course and side-effect comparison of amino acid formulations for manipulation of plasma L-tryptophan. Journal of Psychopharmacology, *19*, a34.
17. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., Jagar, A. A., Morgan, C. J., and Badawy, A. A-B. (2005). Plasma L-tryptophan depletion and loading time-course and side-effect comparison of 50 and 100g formulations. Neuropsychopharmacology, *30*, s131-132.

18. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2005). How laboratory models of attention are related to impulsivity. The World Journal of Biological Psychiatry, *6*, 140-141.
19. **Mathias, C. W.**, Dougherty, D. M., and Marsh, D. M. (2005). Sensory gating in adolescents with Conduct Disorder. Biological Psychiatry, *57*, s346.
20. Badawy, A. A-B., Morgan, C. J., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2006). The acute tryptophan depletion test: Specificity issues. Journal of Psychopharmacology, *20*, a12.
21. Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., Badawy, A. A. B., and Dougherty, D. M. (2006). Tryptophan depletion followed by acute alcohol consumption increases laboratory impulsivity in humans. Alcoholism: Clinical and Experimental Research, *30*, 109a.
22. Ray, M. C., Addicott, M. A., **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2006). Alcohol dose-response, time-course, and gender effects during a laboratory response inhibition paradigm. Alcoholism: Clinical and Experimental Research, *30*, 95a.
23. Shannon, E. E., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2007). Acute alcohol administration increases laboratory measurements of impulsivity. Alcoholism: Clinical and Experimental Research, *31*, 48A.
24. Badawy, A. A-B., Morgan, C. J., Turner, J. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., and Jagar, A. A. (2007). Ethnic differences in plasma kynurenines before and after acute tryptophan loading. Journal of Psychopharmacology, *21*, 43.
25. Dougherty, D. M., Marsh-Richard, D. M., **Mathias, C. W.**, Jagar, A. A., Addicott, M. A., Moeller, F. G., Morgan, C. J., and Badawy, A. A.-B. (2008). Comparison of 50g and 100g L-tryptophan depletion and loading formulations for altering 5-HT Synthesis: Pharmacokinetics, Side Effects, and Mood States. Biological Psychiatry, *63*, 103S.
26. Dougherty, D. M., Nouvion, S. O., Marsh-Richard, D. M., Dawes, M. A., and **Mathias, C. W.** (2008). Familial history of alcoholism and impulsive performance on laboratory behavioral measures. Alcoholism: Clinical and Experimental Research, *32*, 207A.
27. Marsh-Richard, D. M., Dougherty, D. M., **Mathias, C. W.**, Dawes, M. A., Nouvion, S. O. (in press). Gender comparison of breath-alcohol concentrations following bolus and hourly alcohol dosing procedures using multiple alcohol doses. Alcoholism: Clinical and Experimental Research.

28. Shannon, E. E., Duncan, C. R., **Mathias, C. W.**, Marsh, D. M., Liguori, A., and Dougherty, D. M. (in press). Laboratory Measures of Impulsivity on Adolescent Marijuana Users. Drug and Alcohol Dependence.

Presentations at Scientific Meetings:

1. **Mathias, C. W.** and Stanford, M. S. (1997, November). Visual evoked P300 differences in impulsive aggressive individuals. Poster session presented at the 27th annual meeting of the Society for Neuroscience, New Orleans, LA.
2. **Mathias, C. W.** (1998, April). The effect of novelty and stress on the P300 component of the visual evoked potential in impulsive aggressors. Poster session presented at the UNO Psychology Department Colloquium Series, New Orleans, LA.
3. Stanford, M. S., Greve, K. W., **Mathias, C. W.**, and Houston, R. J. (1998, September). Murderers not guilty by reason of insanity and impulsive aggressive psychiatric outpatients: An EEG/ERP comparison. Poster session presented at the 38th annual meeting of the Society for Psychophysiological Research, Denver, CO.
4. Fos, L. A., Greve, K. W., South, M. B., **Mathias, C. W.**, and Benefield, H. (1999, June). Paced Visual Serial Addition Test: An alternative measure of information processing speed. Poster session presented at the 19th annual meeting of the National Academy of Neuropsychology, San Antonio, TX.
5. Greve, K. W., Love, J. M., Sherwin, E., **Mathias, C. W.**, Ramzinski, P., Levy, J., Chenault, J. E., and Quintanilla, V. A. (1999, June). Wisconsin Card Sorting Test in chronic traumatic brain injury. Poster session presented at the 19th annual meeting of the National Academy of Neuropsychology, San Antonio, TX.
6. Love, J. M., Greve, K. W., Sherwin, E., **Mathias, C. W.**, Ramzinski, P., Schenault, J., Markle, A., and Quintanilla, V. A. (1999, June). Social problem-solving in traumatic brain injury survivors: The role of executive function and the prefrontal cortex. Poster session presented at the 3rd World Congress on Brain Injury: Search for Solutions, Quebec, Canada.
7. Greve, K. W., Sherwin, E., Stanford, M. S., **Mathias, C. W.**, Love, J. M., Ramzinski, P., Houston, R. J., and Levy, J. (2000, February). Neurocognitive and personality correlates of impulsive aggression in chronic severe TBI. Poster session presented at the 29th annual meeting of the International Neuropsychological Society, Chicago, IL.

8. **Mathias, C. W.**, Stanford, M. S., Vasterling, J. J., Constans, J. I., and Houston, R. J. (2000, October). Selective information processing among Vietnam veterans with Post-Traumatic Stress Disorder: A P300 manipulation. Poster session presented at the 40th annual meeting of the Society for Psychophysiological Research, San Diego, CA.
9. Greve, K. W., **Mathias, C. W.**, Bianchini, K. J., and Houston, R. J. (2001, February). Performance validity on the Wechsler Adult Intelligence Scale: Validation of Mittenberg's approach in traumatic brain injury. Poster session presented at the 29th annual meeting of the International Neuropsychological Society, Chicago, IL.
10. **Mathias, C. W.**, Dougherty, D. M., Oderinde, V. A., Moeller, F. G., Harper, R. A., Marsh, D. M., and Bjork, J. M. (2001, November). Suicidality and a laboratory measure of impulsivity. Poster session presented at the 31st annual meeting of the Society for Neuroscience, San Diego, CA.
11. **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2001, April). Menstrual cycle phase and alcohol induced aggression. Poster session presented at the 11th annual meeting of the Texas Research Society on Alcoholism, Austin, TX.
12. Oderinde, V. A., Moeller, F. G., Dougherty, D. M., **Mathias, C. W.**, Swann, A. C., and Barratt, E. S. (2001, November). Laboratory measured impulsivity in cocaine dependent subjects. Poster session presented at the 31st annual meeting of the Society for Neuroscience, San Diego, CA.
13. Stanford, M. S., Greve, K. W., **Mathias, C. W.**, Houston, R. J., and Villemarette-Pittman, N. R. (2001, March). Characterizing aggressive behavior: Nosology and assessment. Poster session presented at the 47th annual meeting of the Southeastern Psychological Association, Atlanta, GA.
14. Vasterling, J. J., Constans, J. I., Duke, L., Stanford, M. S., and **Mathias, C. W.** (2001, February). Attentional bias to threat in PTSD: Relation to attention in neutral contexts. Poster session presented at the 29th annual meeting of the International Neuropsychological Society, Chicago, IL.
15. Dougherty, D. M., Marsh, D. M., and **Mathias, C. W.** (2002, April). Correlations between parent-adolescent pairs on a continuous performance test. Poster session presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.
16. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, and Moeller, F. G. (2002, May). Alcohol induced aggression: Menstrual phase shifts. Poster session presented at the 56th annual meeting of the Society for Biological Psychiatry, Philadelphia, PA.

17. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2002, June). The IMT/DMT: A behavioral measure of memory, attention, and impulsivity. Poster session presented at the 14th annual meeting of the American Psychological Society, New Orleans, LA.
18. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., Bjork, J. M., Bavdhane, R., and Moeller, F. G. (2002, March). Serotonin depletion and aggressive laboratory responding: Comparison between men and women. Poster session presented at the 12th annual meeting of the Texas Research Society on Alcoholism, Houston, TX.
19. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., and Moeller, F. G. (2002, June). Aggressive responding during tryptophan depletion and augmentation: Women with high and low Buss-Perry Aggression Questionnaire scores. Poster session presented at the 25th annual meeting of the Research Society on Alcoholism, San Francisco, CA.
20. Marsh, D. M., Dougherty, D. M., Bjork, J. M., and **Mathias, C. W.** (2002, June). A comparison of Behavioral Impulsivity Paradigms: Reward-directed versus rapid-decision. Poster session presented at the 14th annual meeting of the American Psychological Society, New Orleans, LA.
21. Marsh, D. M., Dougherty, D. M., and **Mathias, C. W.** (2002, April). Impulsive behavior of women with high and low trait impulsivity. Poster session presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.
22. Marsh, D. M., Dougherty, D. M., Moeller, F. G., **Mathias, C. W.**, Swann, A. C., and Spiga, R. (2002, May). Plasma tryptophan levels predict laboratory aggressive response to acute tryptophan depletion and augmentation. Poster session presented at the 56th annual meeting of the Society for Biological Psychiatry, Philadelphia, PA.
23. **Mathias, C. W.**, Dougherty, D. M., Bjork, J. M., Harper, R. A., Moeller, F. G., and Marsh, D. M. (2002, June). Continuous performance test: Adolescent performance differences are related to histories of physical fighting. Poster session presented at the 14th annual meeting of the American Psychological Society, New Orleans, LA.
24. **Mathias, C. W.**, Dougherty, D. M., and Marsh, D. M. (2002, April). Behavioral impulsivity in women with childhood onset physical aggression. Poster session presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.

25. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., and Moeller, F. G. (2002, June). Aggressive responding of women during acute alcohol administration: Differential responding dependent on menstrual cycle phase. Poster session presented at the 25th annual meeting of the Research Society on Alcoholism, San Francisco, CA.
26. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., and Moeller, F. G. (2002, March). Laboratory impulsive performance in adults with adolescent onset drinking. Poster session presented at the 12th annual meeting of the Texas Research Society on Alcoholism, Houston, TX.
27. **Mathias, C. W.**, Moeller, F. G., Oderinde, V. A., Dougherty, D. M., Holst, M., Barratt, E. S., Reilly, E. L., and Swann, A. C. (2002, November). Cocaine dependence, P300 amplitude, and impulsivity. Poster session presented at the 32nd annual meeting of the Society for Neuroscience, Orlando, FL.
28. Papageorgiou, T. D., Dougherty, D. M., and **Mathias, C. W.** (2002, February). The effects of tryptophan depletion/loading with and without alcohol on impulsivity in healthy adults. Poster session presented at the 12th annual meeting of the Texas Research Society on Alcoholism, San Antonio, TX.
29. Oderinde, V. A., **Mathias, C. W.**, Dougherty, D. M., Holst, M., Barratt, E. S., Reilly, E. L., Swann, A. C., and Moeller, F. G. (2002, November). Intensity dependence of auditory evoked potentials is related to laboratory measured impulsivity in cocaine dependent subjects. Poster session presented at the 32nd annual meeting of the Society for Neuroscience, Orlando, FL.
30. Dougherty, D. M., Marsh, D. M., and **Mathias, C. W.** (2003, October). Behavioral impulsivity paradigms: Comparison in adolescents with Disruptive Behavior Disorders. Poster session presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
31. Dougherty, D. M., **Mathias, C. W.**, Marsh, D. M., Pearson, D. A. and Lee, M. (2003, June). Behavioral impulsivity in Conduct Disorder: Adolescents with history of planned or unplanned aggression. Poster session presented at the 11th biennial meeting of the International Society for Research and Child and Adolescent Psychopathology, Sydney, Australia.
32. Dougherty, D. M., Papageorgiou, T. D., **Mathias, C. W.**, and Marsh, D. M. (2003, April). Impulsivity in adults with suicide attempts. Poster session presented at the 36th annual meeting of the American Association of Suicidology, Santa Fe, NM.

33. Fischer, C. J., Barratt, E. S., Reilly, E. L., Swann, A. C., **Mathias, C. W.**, Dougherty, D. M. and Moeller, F. G. (2003, November). Electrophysiological assessment of serotonergic impairment in MDMA (Ecstasy) users and its relation to impulsivity. Poster session presented at the 33rd annual meeting of the Society for Neuroscience, New Orleans, LA.
34. Marsh, D. M., Dougherty, D. M., and **Mathias, C. W.** (2003, October). NEO Personality Inventory: Comparing adolescents with and without Conduct Disorder. Poster session presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
35. **Mathias, C. W.**, Dougherty, D. M., Carrizal, M., and Marsh, D. M. (2003, April). Impulsivity in adolescents with suicidal ideation. Poster session presented at the 36th annual meeting of the American Association of Suicidology, Santa Fe, NM.
36. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., and Lee, M. A. (2003, June). Age-at-first-drink among women and behavioral impulsivity. Poster session presented at the 65th annual meeting of the College of Problems on Drug Dependence, Bal Harbour, FL.
37. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., Moeller, F. G., and Lee, M. A. (2003, February). Update: Laboratory impulsive performance in adults with adolescent onset drinking. Poster session presented at the 11th annual meeting of the Texas Research Society on Alcoholism, San Antonio, TX.
38. **Mathias, C. W.**, Dougherty, D. M., Papageorgiou, T. D., and Moeller, F. G. (2003, November). The effects of alcohol with L-tryptophan depletion/loading on a Continuous Performance Test. Poster session presented at the National Institute on Drug Abuse Mini-Convention, New Orleans, LA.
39. **Mathias, C. W.**, Dougherty, D. M., Pearson, D. A., and Marsh, D. M. (2003, October). Sub-types of aggression in Conduct Disorder: Differences in impulsivity. Poster session presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
40. Moeller, F. G., Fischer, C. J., Dougherty, D. M., Reilly, E. L., **Mathias, C. W.**, and Swann, A. C. (2003, September). Increased impulsivity is related to auditory event-related potentials in cocaine dependent subjects. Poster session presented at the 5th annual meeting of the EEG and Clinical Neuroscience Society, Houston, TX.
41. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., and Badawy, A. A.-B. (2004, July). Impulsive behaviour differences following combined alcohol and L-tryptophan depletion/loading manipulation. Poster presented at the British Association for Psychopharmacology, Harrogate, United Kingdom.

42. Marsh, D. M., Dougherty, D. M., and **Mathias, C. W.** (2004, April). Conduct Disorder age of onset and reward-directed impulsivity. Poster session presented at the 50th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
43. **Mathias, C. W.**, Dougherty, D. M., Marsh, D. M., Frick, P. J., Pearson, D. A., and Tester, M. L. (2004, March). Subtypes of aggression in Conduct Disorder: Differences in time estimation. Poster session presented at the 10th biennial meeting of the Society for Research on Adolescence, Baltimore, MD.
44. Matthews, C. and **Mathias, C. W.** (2004, April). Adults with suicide attempts: Continuous performance testing. Poster session presented at the 50th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
45. Addicott, M. A., Dougherty, D. M., Marsh, D. M., and **Mathias, C. W.** (2005, February). Response disinhibition in adolescents with Disruptive Behavior Disorders. Poster presented at the 2005 North Carolina Cognition Conference, Winston-Salem, NC.
46. Addicott, M. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Jagar, A. A., Badawy, A. A.-B. (2005, November). Comparison Between 50 and 100 g amino acid formulations for the manipulation of plasma L-tryptophan. Poster presented at the 35th annual meeting of the Society for Neuroscience, Washington, D.C.
47. Addicott, M. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Jagar, A. A., Morgan, C. I., and Badawy, A. A.-B. (2005, December). Plasma L-tryptophan depletion and loading: Time-course and side-effect comparison of 50g and 100g formulations. Poster presented at the annual meeting of the Western North Carolina Chapter of the Society for Neuroscience, Winston-Salem, NC.
48. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., Jagar, A. A., Morgan, C. J., and Badawy, A. A.-B. (2005, July). Time-course and side-effect comparison of amino acid formulations for manipulation of plasma L-tryptophan. Poster presented at the annual meeting of the British Association for Psychopharmacology, Harrogate, UK.
49. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., Jagar, A. A., Morgan, C. J., Badawy, A. A.-B. (2005, December). Plasma L-tryptophan depletion and loading time-course and side-effect comparison of 50 and 100g formulations. Poster presented at the 44th annual meeting of the American College of Neuropsychopharmacology, Waikoloa Village, Hawaii.

50. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., and Badawy, A. A-B. (2005, August). The effects of combined alcohol and L-tryptophan depletion/loading administration on impulsive behavior. Poster presented at the 113th annual meeting of the American Psychological Association, Washington, DC.
51. Marsh, D. M, Dougherty, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., and Badawy, A. A-B. (2005, February). Interactive effects of alcohol and serotonin manipulation on cognitive impulsivity. Paper presented at the 2005 North Carolina Cognition Conference, Winston-Salem, NC.
52. **Mathias, C. W.**, Dougherty, D. M., and Marsh, D. M. (2005, February). Prepulse inhibition in adolescent Conduct Disorder. Poster presented at the 2005 North Carolina Cognition Conference, Winston-Salem, NC.
53. **Mathias, C. W.**, Dougherty, D. M., and Marsh, D. M. (2005, May). Sensory gating in adolescents with Conduct Disorder. Poster presented at the 60th annual meeting of the Society for Biological Psychiatry, Atlanta, GA.
54. **Mathias, C. W.**, Liguori, A., Marsh, D. M., and Dougherty, D. M. (2005, November). Behavioral impulsivity in adolescents with Conduct Disorder: Effects of recent marijuana use. Poster presented at the 2nd annual meeting of the International Society for Research on Impulsivity, Washington, D.C.
55. Pevette, K. N., **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2005, November). Impulsivity in suicidal adolescent inpatients. Poster presented at the 2nd annual meeting of the International Society for Research on Impulsivity, Washington, D.C.
56. Ray, M., Addicott, M. A., **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2005, November). Dose-response effect of alcohol on response inhibition in adults. Poster presented at the 2nd annual meeting of the International Society for Research on Impulsivity, Washington, D.C.
57. Addicott, M. A., Marsh, D. M., Jagar, A. A., **Mathias, C. W.**, Badawy, A. A.-B., Dougherty, D. M. (2006, October). Relationship between basal plasma L-tryptophan and laboratory measured impulsivity. Poster presented at the 36th annual meeting of the Society for Neuroscience, Atlanta, GA.
58. Badawy, A. A-B., Morgan, C. J., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2006, July). The acute tryptophan depletion test: Specificity issues. Poster presented at the annual meeting of the British Association for Psychopharmacology, Oxford, United Kingdom.

59. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2006, March). Response inhibition deficits among adolescents with Conduct Disorder: Community and clinical samples. Poster presented at the 11th biennial meeting of the Society for Research on Adolescence, San Francisco, CA.
60. Duncan, C. R., Liguori, A., **Mathias, C. W.**, and Dougherty, D. M. (2006, June). Polysubstance use, mental health, and school dropouts in adolescent marijuana users. Poster presented at the 68th annual meeting of The College on Problems of Drug Dependence, Scottsdale, AZ.
61. Kingsley, M. and **Mathias, C. W.** (2006, July). Impulsivity and information processing in adolescent cannabis abuse. Poster presented at the Summer Research Opportunities Program, Winston-Salem, NC.
62. Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., Badawy, A. A.-B., and Dougherty, D. M. (2006, June). Tryptophan depletion followed by acute alcohol consumption increases laboratory impulsivity in humans. Poster presented at the 29th annual meeting of the Research Society on Alcoholism, Baltimore, MD.
63. **Mathias, C. W.**, Duncan, C. D., Marsh, D. M., Liguori, A., and Dougherty, D. M. (2006, October). At-risk youth: marijuana use, impulsivity and information processing. Paper presented at the inaugural meeting of the Carolina Cannabinoid Collaborative, Greensboro, NC.
64. Ray, M. C., Addicott, M. A., **Mathias, C. W.**, Marsh, D. M., and Dougherty, D. M. (2006, June). Alcohol dose-response, time-course, and gender effects during a laboratory response inhibition paradigm. Poster to be presented at the 29th annual meeting of the Research Society on Alcoholism, Baltimore, MD.
65. Badawy, A. A.-B., Morgan, C. J., Turner, J. A., Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Addicott, M. A., and Jagar, A. A. (2007, July). Ethnic differences in plasma kynurenines before and after acute tryptophan loading. Poster presented at the annual meeting of the British Association for Psychopharmacology, Harrogate, United Kingdom.
66. Gauthier, K. J., Furr, R. M., **Mathias, C. W.**, Dougherty, D. M., and Marsh, D. M. (2007, January). NEO Personality Ratings in Adolescents with Conduct Disorder: Comparisons between Those who Display Impulsive versus Premeditated Aggression. Poster presented at the Association for Research in Personality pre-conference for the 8th annual meeting of the Society for Personality and Social Psychology, Memphis, TN.
67. **Mathias, C. W.**, Pevette, K. N., Marsh, D. M., and Dougherty, D. M. (2007, April). Temporal processing and repeated suicide attempts. Poster presented at the 40th annual meeting of the American Association of Suicidology, New Orleans, LA.

68. Nouvion, S. O., Dawes, M. A., Furr, R. M., Marsh, D. M., Mathias, C. W., and Dougherty, D. M. (2007, May). Factor analyses supporting empirical distinction of behavioral measures of impulsivity. Poster presented at the 19th annual convention of the Association for Psychological Science, Washington, D.C.
69. Prevet, K. N., Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2007, April). Impulsivity in teen self-harm and suicide attempts. Poster presented at the 40th annual meeting of the American Association of Suicidology, New Orleans, LA.
70. Shannon, E. E., Duncan, C. R., **Mathias, C. W.**, Marsh, D. M., Liguori, A., Dougherty, D. M. (2007, June). Laboratory measures of impulsivity on adolescent marijuana users. Poster presented at the 69th annual meeting of the College on Problems of Drug Dependence, Quebec City, Quebec, Canada.
71. Shannon, E. E., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2007, July). Acute alcohol administration increases laboratory measurements of impulsivity. Poster presented at the 30th annual meeting of the Research Society on Alcoholism, Chicago, IL.
72. Marsh-Richard, D. M., Dougherty, D. M., **Mathias, C. W.**, Dawes, M. A., and Nouvion, S. O. (2008, February). Gender comparison of breath-alcohol concentrations following bolus and hourly dosing procedures using multiple alcohol doses. Poster presented at the 18th annual meeting of the Texas Research Society on Alcoholism, Austin, TX.
73. Dougherty, D. M., Marsh-Richard, D. M., **Mathias, C. W.**, Hood, A. J., Addicott, M. A., Moeller, F. G., Morgan, C. J., and Badawy, A. A.-B. (2008, May). Comparison of 50g and 100g L-Tryptophan depletion and loading formulations for altering 5-HT synthesis: Pharmacokinetics, side effects, and mood States. Poster presented at the 63rd annual meeting of the Society for Biological Psychiatry, Washington, D.C.
74. Dougherty, D. M., **Mathias, C. W.**, Dawes, M. A., Richard, D. M., Furr, R. M., Shannon, E. S., and Liguori, A. (2008, December). Impulsivity and Information Processing in Adolescent Marijuana Users. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Scottsdale, AZ.
75. Dougherty, D. M., Nouvion, S. O., Marsh-Richard, D. M., and **Mathias, C. W.** (2008, February). Familial history of alcoholism and impulsive performance on laboratory behavioral measures. Poster presented at the 18th annual meeting of the Texas Research Society on Alcoholism, Austin, TX.
76. Dougherty, D. M., Nouvion, S. O., Marsh-Richard, D. M., and **Mathias, C. W.** (2008, June). Familial history of alcoholism and impulsive performance on laboratory behavioral measures. Poster presented at the 31st annual meeting of the Research Society on Alcoholism, Washington, D.C.

77. Cates, S. **Mathias, C. W.**, Farris, S., Richard, D. M., Dawes, M. A., and Dougherty, D. M. (2009, April). Training "experts" in consensus ratings of the Stressful Life Events Schedule. Poster presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
78. Cates, S. **Mathias, C. W.**, Farris, S., Richard, D. M., Dawes, M. A., and Dougherty, D. M. (2009, June). Ratings of stressful life events: Acquisition of accurate consensus. Poster presented at the biennial meeting of the International Society for Research on Child and Adolescent Psychopathology, Seattle, WA.
79. Farris, S., **Mathias, C. W.**, Cates, S., Dawes, M. A., Richard, D. M., and Dougherty, D. M. (2009, April). Lifetime history of stressful life events in an adolescent inpatient psychiatric sample. Poster presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
80. Farris, S., **Mathias, C. W.**, Cates, S., Dawes, M. A., Richard, D. M., and Dougherty, D. M. (2009, June). Self-reported histories of stressful life events among adolescent psychiatric inpatients. Poster presented at the biennial meeting of the International Society for Research on Child and Adolescent Psychopathology, Seattle, WA.
81. John, S., Richard, D. M., **Mathias, C. W.**, Dawes, M. A., and Dougherty, D. M. (2009, April). Predictive Factors of Cigarette and Alcohol Use in Adults Aged 21-45. Poster presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
82. Kilpatrick, A. C., Dawes, M. A., **Mathias, C. W.**, Richard, D. M., and Dougherty, D. M. (2009, April). Multiple methods to assess abstinence outcomes in marijuana-using adolescents. Poster presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
83. **Mathias, C. W.**, Dawes, M. A., Richard, D. M., and Dougherty, D. M. (2009, June). Behavioral impulsivity and psychopathology among adolescents following inpatient psychiatric treatment. Poster presented at the biennial meeting of the International Society for Research on Child and Adolescent Psychopathology, Seattle, WA.
84. Surber, A., Richard, D. M., **Mathias, C. W.**, Dawes, M. A., and Dougherty, D. M. (2009, April). Beliefs and Expectations about Alcohol are related to Level of Education. Poster presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.

Symposia at Scientific Meetings:

1. **Mathias, C. W.** (2000, March). Graduate Research: Long-term implications for the graduate student's professional development. In E. D. Sherwin (Chair),

Undergraduate and Graduate Research: Reasons to Promote Interest and Activity. Symposium conducted at the 46th annual meeting of the Southeastern Psychological Association, New Orleans, LA.

2. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2004, November). Impulsivity and aggression in adolescents with Conduct Disorder. In E. S. Barratt (Chair), Clinical Research on Impulsivity: New Developments and Directions for Possible Treatments. Symposium conducted at the World Psychiatric Association Congress (Zone 8), Florence, Italy.
3. **Mathias, C. W.** (2004, April). Adolescents with internalizing and externalizing symptoms. In D. M. Dougherty (Chair), Behavioral Measures of Impulsivity among At-Risk Samples. Symposium conducted at the 50th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
4. **Mathias, C. W.** (2004, June). Assessment of trait-dependent aspects of behavioral impulsivity. In D. M. Dougherty (Chair), Introduction to Behavioral Measures of Impulsivity for Neuroscience. Symposium conducted at the 13th annual meeting of the International Behavioral Neuroscience Society, Key West, FL.
5. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., Bradley, D. M., and Badawy, A. A-B. (2005, August). The effects of combined alcohol and L-tryptophan depletion/loading administration on impulsive behavior. In Addresses by 2004 New Fellows - I. Symposium conducted at the 113th annual meeting of the American Psychological Association, Washington, DC.
6. Dougherty, D. M., **Mathias, C. W.**, and Marsh, D. M. (2005, June). How laboratory models of attention are related to impulsivity. In F. J. Baylé (Chair), Modeling Impulsivity: From Clinical Constructs to Laboratory Models. Symposium conducted at the 8th World Congress of the Biological Psychiatry, Vienna, Austria.
7. Badawy, A. A-B, Morgan, C. J., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2006, July). The acute tryptophan depletion test: Specificity and other issues. In A. A-B. Badawy (Chair); Systematic depletion in default/pathological modes and their consequences. Symposium conducted at the 11th annual meeting of the International Study Group of Tryptophan Research, Tokyo, Japan.
8. Badawy, A. A.-B., Morgan, C. J., Marsh, D. M., **Mathias, C. W.**, and Dougherty, D. M. (2006, July). Assessment of the hepatic kynurenine pathway in normal humans. In A. A-B. Badawy (Chair); Nutritional Aspects of Tryptophan-Niacin Pathway. Symposium conducted at the 11th annual meeting of the International Study Group of Tryptophan Research, Tokyo, Japan.

9. Dougherty, D. M., Marsh, D. M., **Mathias, C. W.**, Morgan, C. J., and Badawy, A. A.-B. (2006, July). A comparison of dose and time-course effects on physiological measures and subjective symptoms of *L*-tryptophan manipulation in normal human subjects. In A. A.-B. Badawy (Chair); Systematic depletion in default/pathological modes and their consequences. Symposium conducted at the 11th annual meeting of the International Study Group of Tryptophan Research, Tokyo, Japan.
10. **Mathias, C. W.** (2006, April). Behavioral assessment and performance based measures: Application among suicidal samples. In D. M. Dougherty (Chair), Comparison of Approaches to Suicide Research. Symposium conducted at the 39th annual meeting of the American Association of Suicidology, Seattle, WA.
11. Dougherty, D. M., Richard, D. M., **Mathias, C. W.**, Hill-Kapturczak, N., Dawes, M. A., and Badawy, A. A.-B. (2008, October). *L*-tryptophan as a research compound and therapeutic agent. Presented in a symposium entitled: Clinical studies with agents of different pharmacological activity. Symposia conducted at the 100th anniversary of the Nobel Prize Award to Paul Ehrlich, Nürnberg, Germany.

Invited Address/Presentations:

1. **Mathias, C. W.** (2006, September). Impulsivity and Its Role in Suicidal Behaviors. Invited address at the North Carolina Council of Child and Adolescent Psychiatry, Asheville, NC.
2. **Mathias, C. W.** (2008, March). Cognitive and Behavioral Effects of Marijuana Use by Adolescents. Invited colloquium, Department of Psychology and Neuroscience, Baylor University, Waco, TX.
3. **Mathias, C. W.** (2008, April). Adolescent Marijuana Use: Cognitive and Behavioral Performance Outcomes. Invited seminar, Department of Pharmacology, the University of Texas Health Science Center at San Antonio.
4. Dougherty, D. M., Richard, D. M., **Mathias, C. W.**, Hill-Kapturczak, N., Dawes, M. A., and Badawy, A.A.-B. (2008, October). L-tryptophan as a Research Compound and Therapeutic Agent. Invited Presentation, 2nd World Conference on Magic Bullets (Ehrlich II), Nürnberg, Germany.
5. **Mathias, C. W.** (2009, March). Impulsivity and Information Processing in Adolescent Marijuana Use. Invited seminar, Research Institute on Addictions, University at Buffalo, The State University of New York, Buffalo, NY.

Computer Software Manuals:

1. Dougherty D. M., Marsh, D. M., and **Mathias, C. W.** (2003). Two Choice Impulsivity Paradigm (Version 1.0) [Manual]. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
2. Dougherty D. M., Marsh, D. M., **Mathias, C. W.**, and Papageorgiou, T. D. (2003). Single Key Impulsivity Paradigm (Version 1.0) [Manual]. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
3. Dougherty D. M., **Mathias, C. W.**, and Marsh, D. M. (2003). GoStop Impulsivity Paradigm (Version 1.0) [Manual]. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
4. Dougherty D. M., **Mathias, C. W.**, and Marsh, D. M. (2003). Time Paradigm (Version 1.0) [Manual]. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.

TEACHING PORTFOLIO

TEACHING APPOINTMENTS

August 1999	May 2000	College of Sciences University of New Orleans New Orleans, LA 70148
October 2004	September 2007	Graduate School of Arts and Sciences Wake Forest University Winston-Salem, NC 27109-7487
January 2006	September 2007	Neuroscience Program Wake Forest University School of Medicine Winston-Salem, NC 27157

FACULTY EDUCATION

February 2006	Department of Psychiatry - Faculty Education/Training. Wake Forest University Medical School. Co-lecturer with Donald M. Dougherty Ph.D. on the topic of <i>Budget Workshop: A PI's guide to constructing a NIH budget</i> . Participants were Psychiatry faculty and staff. One hour contact.
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MENTORING/ADVISING

June 2001	July 2001	Mentor for Julia Standefer (Spring Woods High School, Houston, TX). The University of Texas Health Science Center at Houston. Mentored Julia in her work in the National Institute of Mental Health program, Learning Education and Research Network Summer Program for High School Students. Research project title: <i>Performance Feedback Effects on the Immediate and Delayed Memory Tasks</i> .
June 2003	July 2003	Mentor for Megan Sikes (Spring High School, Houston, TX). The University of Texas Health Science Center at Houston. Mentored Megan in her work in the National Institute of Mental Health program, Learning Education and Research Network Summer Program for High School Students. Research project title: <i>Subtypes of Aggression in Conduct Disorder – Differences in Impulsivity</i> .

August 2005	July 2007	Faculty Mentor for Dawn M. Marsh, Ph.D. Wake Forest University Health Sciences. Mentored a postdoctoral fellow for a National Institute on Alcohol Abuse and Alcoholism training grant (T32-AA07565) titled <i>Multi-Disciplinary Training in the Biology of Alcoholism</i> .
August 2005	May 2006	Supervisor for WFU work-study students Ying Vang Wake Forest University Health Sciences. Provided guidance for scoring of standardized personality instruments, data entry, and analyses.
August 2005	July 2007	Supervisor for WFU work-study student Barbara Arinci. Wake Forest University Health Sciences. Provided guidance for a medical record review conducted by a student from baccalaureate student from Wake Forest University. Research Project title: " <i>Historical Trends on the Child and Adolescent Psychiatry Unit</i> ."
August 2005	August 2007	Faculty Mentor for Marla Torrence, B.S. Wake Forest University Health Sciences. Mentored a post-baccalaureate participating in the NIH program supplement research training for under-represented minorities. Research project title: <i>Behavioral Models of Impulsivity: Alcohol and 5-HT Effects</i> .
June 2006	August 2006	Faculty Mentor for Megan Kingsley. Wake Forest University Graduate School of Arts and Sciences. Mentored a baccalaureate student in the - <i>Summer Research Opportunities Program</i> . Research project title: <i>Impulsivity and Information Processing in Adolescent Cannabis Abuse</i> .
May 2007	July 2007	Faculty Mentor for Meagan McSwiggan. Wake Forest University. Shared mentorship with R. Michael Furr, Ph.D. (WFU Department of Psychology) for a baccalaureate student in the Wake Forest University Research Fellowship Program. Research project title: <i>Effects of Serotonin on Behavioral Activation and Impulsivity</i> .

June 2007 August 2007 **Faculty Mentor** for Rachel Dewitt. Wake Forest University Medical School. Mentored a high school student in the *Center for Excellence for Research, Teaching, and Learning* mini-fellowship at Wake Forest University School of Medicine. Research project title: *Effects of Serotonin on Behavioral Impulsivity*.

MEDICAL STUDENTS, RESIDENTS, AND FELLOWS EDUCATION

February 2005 May 2005 **Child Fellow Seminar.** Wake Forest University Medical School. Led three sessions of this seminar consisting for Child Psychiatry Fellows and other interested faculty. The aim of this seminar was to give fellows the background to think critically about published research. The seminar was based on the book *Critical Thinking About Research: Psychology and Related Fields* (by Julian Meltzoff). Led three seminars on the following topics: (1) confounding variables and their control; and (2) research ethics; and (3) critiquing and evaluating published journal articles. Three hours contact.

March 2005 **Mock Institutional Review Board.** Wake Forest University Medical School. Participated in a mock Institutional Review Board that evaluated Psychiatry Resident's research proposals and IRB submissions and provided written feedback to residents.

July 2005 **Psychiatry Journal Club:** Wake Forest University Medical School. Lecturer for opening session on the topic of *Research Design and Common Statistical Methods in Psychiatry*. Participants were Psychiatry residents and interns. One hour contact.

July 2005 July 2007 **Psychiatry Journal Club.** Wake Forest University Medical School. Co-facilitator. Participants were Psychiatry residents and interns. One hour contact per month.

September 2005 **Biological Psychiatry Seminar.** Wake Forest University Medical School. Lecturer on the topic of *Disorders of Attention*. Participants were Psychiatry residents and interns. One hour contact.

psychophysiology techniques including sheep and human brain morphology and function. The class met for 5 hours per week for a period of 16 weeks.

August 1999 December 1999 **Instructor** for *General Psychology* (PSYC 1000), Department of Psychology, University of New Orleans. Taught 150 undergraduates introductory psychology principals. This class met for 3 hours per week for a period of 16 weeks.

January 2000 May 2000 **Instructor** for *General Psychology* (PSYC 1000), Department of Psychology, University of New Orleans. Taught 75 undergraduates introductory psychology principals. This class met for 3 hours per week for a period of 16 weeks.

COMMUNITY EDUCATION

January 2007 **Boy Scouts of America - Explorers Club**, Presentation on the topic of *Research in Mental Health* to area high school students interested in careers in mental health. One hour contact.

CONTINUING EDUCATION

February 2007 Certification in Collaborative IRB Training Initiative's (CITI) **Protection of Human Research Subjects** program. Certificate valid for 2-years.

August 2005 May 2006 **Teacher Advancement Program**. Completed 10-sessions of advanced training in medical school teaching.