

Curriculum Vitae
December 17, 2008

NAME: Dawn M. Richard, Ph.D.

PRESENT TITLE: Assistant Professor

A. BIOGRAPHICAL Citizenship: USA

B. EDUCATIONAL HISTORY

Undergraduate Education

Sept. 1989 – June 1997

Bachelor of Science – Magna cum Laude
Psychology Major, Chemistry Minor
GPA 3.87/4.00

University of Wisconsin – Fond du Lac, 1989-1993

University of Wisconsin – Oshkosh, 1993-1997

Graduate Education

Sept. 1997 – 2004

Doctor of Philosophy
Human Behavioral Neuroscience
GPA 3.0/4.0

University of Texas Health Science Center at Houston

Graduate School of Biomedical Sciences

Neuroscience Program – 1997-2004

GPA 4.0/4.0

Rice University, Houston, TX

Advanced Statistical Analyses – 1998-1999

(Enrollment concurrent with UT – Houston)

Graduate Record Exam

Jan. 1997

Total Score = 2100

Verbal = 670; Quantitative = 710; Analytical = 720

C. MEMBERSHIPS, CERTIFICATIONS, HONORS, AND AWARDS

1991 – 1997 *Dean's List – Highest Honors, 7 semesters, University of Wisconsin, Oshkosh and Fond du Lac, Wisconsin*

1991 – 1993 *Phi Theta Kappa Honor Society, University of Wisconsin, Fond du Lac, Wisconsin*

1992 – 1993 *Physics Award for Outstanding Achievement, University of Wisconsin, Fond du Lac, Wisconsin*

1993 – 1994 *University Scholar, University of Wisconsin, Oshkosh, Wisconsin*

1994 – 1997 *Psi Chi Honor Society, University of Wisconsin, Oshkosh, Wisconsin*

- 1996 *UW Oshkosh 1996 Annual University-Wide Undergraduate Research and Scholarship Forum*, Honorable Mention, University of Wisconsin, Oshkosh, Wisconsin
- 1997 *UW Oshkosh 1997 Annual University-Wide Undergraduate Research and Scholarship Forum*, First Place Award, University of Wisconsin, Oshkosh, Wisconsin
- 1997 *Midwestern Psychological Association 1997 Annual Conference*, First Place, Best Paper Presentation, Undergraduate Research Competition, Chicago, Illinois
- 1997 *Magna cum Laude Graduate*, University of Wisconsin, Oshkosh, Wisconsin
- 1999 *National Defense Science and Engineering Graduate Fellowship Program*, Honorable Mention
- 1999 – 2001 *NIH Training Grant – Training in Neuroscience*, Fellowship Award
- 2001 *Wisconsin Symposium on Emotion Travel Awardee*, HealthEmotions Research Institute, University of Wisconsin - Madison
- 2001 *John P. McGovern Award*, Texas Research Society on Alcoholism, Austin, Texas
- 2001 *American Psychological Society*, Student Affiliate Member
- 2001 – 2002 *Roberta M. and Jean M. Worsham Endowed Scholarship*, Competitive scholarship awarded to a student working in the fields of behavior or neuroscience of addiction or obsessive/compulsive behavior. Awarded by the University of Texas Health Science Center at Houston - Graduate School of Biomedical Sciences
- 2002 – 2004 *Individual Predoctoral National Research Service Award*, Awarded by the National Institute on Alcohol Abuse and Alcoholism
- 2004 *Southwestern Psychological Association Fiftieth Annual Conference, 2004*, First Place, Best Paper Presentation, Graduate Research Competition, San Antonio, Texas
- 2005 – 2007 *NIAAA Training Grant – Multi-Disciplinary Training in the Biology of Alcoholism*, Fellowship Award
- 2005 – 2006 Health Care Provider, American Heart Association, Certification
- 2005 – 2006 North American Association of Phlebotomy Technicians, Certification (24263-pt05)
- 2005 – 2007 *Brain and Cognition*, Ad Hoc Reviewer
- 2006 *Aggressive Behavior*, Ad Hoc Reviewer
- 2007 *Archives of General Psychiatry*, Ad Hoc Reviewer

2008-Present *Women's Faculty Association*, Member, The University of Texas Health Science Center at San Antonio

2008-Present *Texas Research Society on Alcoholism*, Member, Austin, Texas

2008-Present *Center for Biomedical Neuroscience*, Member, The University of Texas Health Science Center at San Antonio

D. RESEARCH SUPPORT

Ongoing Research Support

R01-MH077684 Dougherty (PI)

NIMH

05/01/07 to 02/28/12

Impulsivity and Biological Markers for Suicidality and Drug Use in Adolescents

This longitudinal project uses an interdisciplinary approach (clinical, behavioral, and biological) to determine how impulsivity, 5-HT function, and stressful life events may act individually or together to impact outcomes of suicidal behavior and drug use.

Role: Co-Investigator

R01-AA014988 Dougherty (PI)

NIAAA

04/01/05 to 03/31/10

Behavioral Models of Impulsivity: Alcohol and Serotonin Effects

This project compares the effects of alcohol and *L*-tryptophan manipulation (individually and combined) on different behavioral models of impulsivity.

Role: Psychological Associate II

Completed Research Support

5T32AA007565-12 Friedman (PI)

NIAAA

08/15/05-08/15/07

Multi-Disciplinary Training in the Biology of Alcoholism

This grant was a continuation of a highly successful alcohol-training program. The primary goal of the program was to assure that each trainee understood the complex nature of alcohol's actions, with an appreciation for analysis from the molecular to the behavioral level.

Role: Post Doctoral Fellow

Marsh (PI)

08/01/01-11/30/01

John P. McGovern Award, Texas Research Society on Alcoholism, Austin TX

This award provided funds to study individual differences in alcohol-induced aggression and the relationship to serotonin function in women.

Role: Principal Investigator

Marsh (PI)

03/01/02-02/28/03

Roberta M. and Jean M. Worsham Endowed Scholarship, University of Texas Medical School, Houston, TX

This scholarship provided funds to study human aggressive and impulsive/compulsive behaviors, as well as psychopharmacological manipulations of neurotransmitters and

measurement of the neurotransmitter indicators and hormones that may underlie these behaviors.

Role: Principal Investigator

R01-AA012046 Dougherty (PI)

NIAAA

09/01/99-05/31/05

Aggression and Women: Alcohol and 5-HT Relationships.

This grant funded a continuation of research conducted for a FIRST Award examining the effects of alcohol and serotonin manipulation on aggression at different phases of the menstrual cycle.

Role: Psychological Associate II

5T32NS007467-03 Waymire (PI)

NINDS

08/31/99-09/01/01

Training in Neuroscience

The primary goal of the program was to assure that trainees were exposed to a broad range of introductory and foundation core courses in biomedical sciences, as well as three courses in advanced neurobiology. In addition, all trainees rotated through three research laboratories during their first year in the program, and based on this rotation, each trainee selected a research advisor from the participating faculty.

Role: Pre-Doctoral Fellow

F31-AA13352 Marsh (PI)

NIAAA

03/01/02-02/28/04

Biological Relationships to Alcohol-Induced Aggression

This study examined the relationship between alcohol-induced aggression and biological markers related to serotonin.

Role: Principal Investigator

R01-MH063908 Dougherty (PI)

NIMH

04/01/02-03/31/07

Impulsivity Models: Behavioral Mechanisms

This grant funded an examination of laboratory behavioral performance measures of impulsivity and aggression in untreated adolescents with Conduct Disorder.

Role: Psychological Associate II

R01-AA014988 Dougherty (PI)

06/24/05 to 06/23/07

NIAAA – PA-05-115

Research Supplement to Promote Diversity in Health Research to Support: Behavioral Models of Impulsivity: Alcohol and 5-HT Effects

Role: Mentor

E. PUBLICATIONS

Book Chapters

1. Dougherty DM, Moeller FG, Bjork JM, **Marsh DM** (1999). Plasma *L*-tryptophan depletion and aggression. In G Huether, W Kochen, TJ Simat, & H Steinhart (Eds), *Tryptophan*,

- serotonin and melatonin: Basic aspects and applications* (pp. 57-65). New York: Kluwer Academic/Plenum Publishers.
2. Dougherty DM, Mathias CW, **Marsh DM** (2003). Laboratory measures of impulsivity. In EF Coccaro (Ed), *Aggression: Psychiatric Assessment and Treatment. Medical Psychiatric Series No. 22* (pp. 247-265). New York: Marcel Dekker Publishers.
 3. Mathias CW, **Marsh DM**, Dougherty DM (2006). Immediate and Delayed Memory Tasks. In NJ Salkind and K Rasmussen (Eds), *The Encyclopedia of Measurement and Statistics, Vol. 2* (pp. 452-453). Thousand Oaks, CA: Sage Publications, 2006.
 4. Mathias CW, **Marsh DM**, Dougherty DM (2006). Laboratory Behavioral Measures of Impulsivity. In NJ Salkind and K Rasmussen (Eds), *The Encyclopedia of Measurement and Statistics, Vol. 2* (pp. 525-526). Thousand Oaks, CA: Sage Publications, 2006.
 5. Badawy AA-B, Morgan CJ, Dougherty DM, **Marsh DM**, Mathias CW, Jagar AA, Addicott MA, Moeller FG (2007). The acute tryptophan depletion and loading tests: Specificity issues. In K. Takai (Ed.), Proceedings of the 11th Triennial Meeting of the International Study Group for Tryptophan Research (ISTRY). *International Congress Series 1304C* (pp. 159-166). Amsterdam: Elsevier.
 6. Badawy AA-B, Morgan CJ, Turner JA, Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA (2007). Assessment of the kynurenine pathway in humans: I. Normal plasma values, ethnic differences and their clinical implications. In K. Takai (Ed.), Proceedings of the 11th Triennial Meeting of the International Study Group for Tryptophan Research (ISTRY). *International Congress Series 1304C* (pp. 335-343). Amsterdam: Elsevier.
 7. Busch AM, Cornette MM, Mathias CW, **Marsh DM**, Dougherty DM (in press). Suicide and Life Events (Chapter 2.11). In A. Shrivastava (Ed.), *International Handbook on Suicidal Behaviour*. London, UK: Gaskell Publications.
 8. Cornette MM, Mathias CW, **Marsh DM**, deRoon-Cassini TA, Dougherty DM (in press). Cognition and Suicide. In A. Shrivastava (Ed.), *International Handbook on Suicidal Behaviour*. London, UK: Gaskell Publications.
 9. Dougherty DM, Mathias CW, **Marsh DM**, Dawes MA (in press). *Suicide and Substance Abuse*. In A. Shrivastava (Ed), *International Handbook on Suicidal Behaviour*. London, UK: Gaskell Publications.
 10. **Richard DM** (in press). Standard deviation. In N. J. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks, CA: Sage.
 11. **Richard DM** (in press). Standard error of the mean. In N. J. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks, CA: Sage.

12. **Richard DM** (in press). Standardized Score. In N. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks, CA: Sage.
13. **Richard DM**, Mathias CW, Bjork JM, & Dougherty DM (in press). Conduct Disorder, comorbidities, and response inhibition deficits in adolescents. In F. Columbus (Ed.), *Impulsivity: Causes, Control and Disorders*. Hauppauge, NY: Nova Science Publishers, Inc.

Refereed Original Articles in Journals

1. Dougherty DM, **Marsh DM**, Bjork JM (1998). Serotonin, alcohol, and aggression in women. *Texas Research Society on Alcoholism: News and Views*, 8(5):1-3.
2. Dougherty DM, Bjork JM, **Marsh DM**, Moeller FG (1999). Influence of trait hostility on tryptophan depletion-induced laboratory aggression. *Psychiatry Research*, 88:227-232.
3. Dougherty DM, Moeller FG, Bjork JM, **Marsh DM** (1999). Plasma L-tryptophan depletion and aggression. [Review] [66 refs] *Advances in Experimental Medicine & Biology*, 467:57-65.
4. Dougherty DM, Moeller FG, Steinberg JL, **Marsh DM**, Hines SE, Bjork JM (1999). Alcohol increases commission error rates for a Continuous Performance Test. *Alcoholism: Clinical and Experimental Research*, 23(8):1342-1351.
5. Dougherty DM, Bjork JM, **Marsh DM**, Moeller FG (2000). A comparison between adults with conduct disorder and normal controls on a Continuous Performance Test: Differences in impulsive response characteristics. *The Psychological Record*, 50:203-219.
6. Dougherty DM, **Marsh DM**, Moeller FG, Chokshi RV, Rosen VC (2000). The effects of moderate and high doses of alcohol on immediate and delayed attentional memory task performance. *Alcoholism: Clinical and Experimental Research*, 24:1702-1711.
7. Moeller FG, Bjork JM, Dougherty DM, Van de Kar LD, **Marsh DM**, Swann AC (2000). Low dose Zolmitriptan as a 5-HT neuroendocrine challenge agent in humans. *Psychoneuroendocrinology*, 25(6):607-618.
8. Dougherty DM, **Marsh DM**, Mathias CW (2002). Immediate and Delayed Memory Tasks: A computerized measure of memory, attention, and impulsivity. *Behavior Research Methods, Instruments, and Computers*, 34(3):391-398.
9. **Marsh DM**, Dougherty DM, Mathias CW, Moeller FG, Hicks LR (2002). Comparison of women with high and low trait impulsivity using laboratory impulsivity models of response-disinhibition and reward-choice. *Journal of Personality and Individual Differences*, 33:1291-1310.

10. **Marsh DM**, Dougherty DM, Moeller FG, Swann AC, Spiga R (2002). Laboratory-measured aggressive behavior of women: Acute tryptophan depletion and augmentation. *Neuropsychopharmacology*, 26:660-671.
11. Mathias CW, Dougherty DM, **Marsh DM**, Moeller FG, Hicks LR, Dasher K, Bar-Eli L (2002). Laboratory measures of impulsivity: A comparison of women with and without childhood aggression. *The Psychological Record*, 52:289-303.
12. Mathias CW, **Marsh DM**, Dougherty DM (2002). Reliability estimates for the Immediate and Delayed Memory Tasks. *Perceptual and Motor Skills*, 95:559-569.
13. Dougherty DM, Bjork JM, Moeller FG, Harper RA, **Marsh DM**, Mathias CW, Swann AC (2003). Familial transmission of continuous performance test behavior: Attentional and impulsive response characteristics. *Journal of General Psychology*, 130:5-21.
14. Dougherty DM, Mathias CW, **Marsh DM**, Greve KW, Bjork JM, Moeller FG (2003). Commission error rates on a continuous performance test are related to deficits measured by the Benton Visual Retention Test. *Assessment*, 10(1):3-12.
15. Dougherty DM, Bjork JM, Harper RA, **Marsh DM**, Moeller FG, Mathias CW (2003). Behavioral impulsivity paradigms: A comparison in hospitalized adolescents with Disruptive Behavior Disorders. *Journal of Child Psychology and Psychiatry*, 44, 1145-1157.
16. Dougherty DM, Bjork JM, Harper RA, Mathias CW, Moeller FG, **Marsh DM** (2003). Concurrent validation of the Immediate and Delayed Memory Tasks in hospitalized adolescents with disruptive behavior disorders. *The Psychological Record*, 53, 509-532.
17. Dougherty DM, Mathias CW, **Marsh DM**, Moeller FG, Swann AC (2004). Suicidal behaviors and drug abuse: Impulsivity and its assessment. *Drug and Alcohol Dependence*, 76s, s93-s105.
18. Dougherty DM, Mathias CW, **Marsh DM**, Papageorgiou TD, Swann AC, Moeller FG (2004). Laboratory measured behavioral impulsivity relates to suicide attempt history. *Suicide and Life-Threatening Behavior*, 34, 374-385.
19. Dougherty DM, Mathias CW, Tester ML, **Marsh DM** (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.
20. Dougherty DM, **Marsh DM**, Mathias CW, Swann AC (2005). The conceptualization and role of impulsivity: Bipolar Disorder and substance abuse. *Psychiatric Times*, 22, 32-35.
21. Dougherty DM, Mathias CW, **Marsh DM**, Jagar AA (2005). Laboratory behavioral measures of impulsivity. *Behavior Research Methods, Instruments, and Computers*, 37, 82-90.

22. Addicott MA, **Marsh-Richard DM**, Mathias CW, Dougherty DM (2007). The Biphasic Effects of Alcohol: Comparisons of subjective and objective measures of stimulation, sedation, and physical activity. *Alcoholism: Clinical and Experimental Research*, 11, 1889-1890.
23. Badawy AA-B, Morgan CJ, Dougherty DM, **Marsh DM**, Mathias CW, Jagar AA, Addicott MA, Moeller FG (2007). The acute tryptophan depletion and loading tests: Specificity issues. *International Congress Series*, 1304C, 159-166.
24. Badawy AA-B, Morgan CJ, Turner JA, Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA (2007). Assessment of the kynurenine pathway in humans: I. Normal plasma values, ethnic differences and their clinical implications. *International Congress Series*, 1304C, 335-343.
25. Dougherty DM, Dew RE, Mathias CW, **Marsh DM**, Addicott MA, Barratt ES (2007). Impulsive and premeditated subtypes of aggression in Conduct Disorder: Differences in time estimation. *Aggressive Behavior*, 33, 574-582.
26. Dougherty DM, **Marsh DM**, Mathias CW, Dawes MA, Bradley DM, Morgan CJ, Badawy AA-B (2007). The effects of alcohol on laboratory-measured impulsivity after L-tryptophan depletion or loading. *Psychopharmacology (Berl)*, 193, 137-150.
27. Dougherty DM, Mathias CW, Liguori A, **Marsh DM**, Dawes MA, Moeller FG (2007). Behavioral impulsivity in adolescents with Conduct Disorder who use Marijuana. *Addictive Disorders and Their Treatment*, 6, 43-50.
28. Furr RM, Dougherty DM, **Marsh DM**, Mathias CW (2007). Personality judgment and personality pathology: Self-other agreement in adolescents with Conduct Disorder. *Journal of Personality*, 75, 629-662.
29. Mathias CW, Furr RM, Daniel SS, **Marsh DM**, Shannon E, Dougherty DM (2007). The relationship of inattentiveness, hyperactivity, and psychopathy among adolescents. *Personality and Individual Differences*, 43, 1333-1343.
30. Mathias CW, Stanford MS, **Marsh DM**, Frick PJ, Moeller FG, Swann AC, Dougherty DM (2007). Characterizing aggressive behavior with the Impulsive/Premeditated Aggression Scale among adolescents with Conduct Disorder. *Psychiatry Research*, 151, 231-242.
31. Shannon EE, Mathias CW, **Marsh DM**, Dougherty DM, Liguori A (2007). Teenagers do not always lie: Characteristics and correspondence of telephone and in-person reports of adolescent drug use. *Drug and Alcohol Dependence*, 90, 288-291.
32. Dawes MA, Mathias CW, **Richard DM**, Hill-Kapturczak N, Dougherty DM (2008). Adolescent suicidal behavior and substance use: Developmental mechanisms. *Substance Abuse: Research and Treatment*, 2, 13-28.

33. Dawes MA, **Richard DM**, Mathias CW, Dougherty DM (2008). Prospective study of cannabis withdrawal in cannabis-using adolescents. *Journal of the American Academy of Child and Adolescent Psychiatry*, 47(9), 1095-1096.
34. Dougherty DM, **Marsh-Richard DM**, Hatzis ES, Nouvion SO, Mathias CW (2008). A test of alcohol dose effects on multiple behavioral measures of impulsivity. *Drug and Alcohol Dependence*, 96(1-2), 111-120.
35. Dougherty DM, **Marsh-Richard DM**, Mathias CW, Hood AJ, Addicott MA, Moeller FG, Morgan CJ, Badawy AA-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 (Berl)*, 198(3), 431-445.
36. Dougherty DM, Mathias CW, **Marsh-Richard DM**, Nouvion SO, Dawes MA (2008). Distinctions in behavioral impulsivity: Implications for substance abuse research. *Addictive Disorders and Their Treatment*, ePub ahead of print, available at: <http://ovidsp.tx.ovid.com.libproxy.uthscsa.edu/spb/ovidweb.cgi?&S=MIBOFPFLIHDDLNMGNCGLKAJJAIPEAA00&Browse=Toc+Children%7cYES%7cS.sh.15.16%7c1%7c60>
37. Mathias CW, **Marsh-Richard DM**, Dougherty DM (2008). Behavioral measures of impulsivity and the law. *Behavioral Sciences and the Law*, 26, 691-707.
38. Dougherty DM, Mathias CW, **Marsh-Richard DM**, Pevette KN, Dawes MA, Shannon EE, Palmes G, Nouvion SO (in press). Impulsivity and clinical symptoms among adolescents with non-suicidal self-injury with or without attempted suicide. *Psychiatry Research*.
39. Gauthier KJ, Furr RM, Mathias CW, **Marsh-Richard DM**, Dougherty DM (in press). Differentiating impulsive and premeditated aggression: Self and informant perspectives among adolescents with personality pathology. *Journal of Personality Disorders*.
40. **Marsh-Richard DM**, Hatzis ES, Mathias CW, Venditti N, Dougherty DM (in press). The Adaptive Visual Analog Scale (AVAS): A modifiable software program for the creation, administration, and scoring of visual analog scales. *Behavioral Research Methods*.
41. **Richard DM**, Dawes MA, Mathias CW, Acheson A, Hill-Kapturczak N, Dougherty DM (in press) L-Tryptophan: Basic metabolism functions, behavioral research, and therapeutic indications. *International Journal of Tryptophan Research*.
42. Dawes MA, Roache JD, Javors MA, Bergeson SE, Leach RJ, Dougherty DM, Mathias CW, **Richard DM**, Ait-Daoud TN, Johnson BA (in review). Drinking histories in alcohol-use-disordered youth: Relationships to platelet serotonin transporter expression with genotypes of the serotonin transporter. *Life Sciences*.
43. Badawy AA-B, Dougherty DM, **Marsh-Richard DM**, Steptoe A (in review). Activation of liver tryptophan pyrrolase mediates the decrease in tryptophan availability to the brain after acute alcohol consumption by normal subjects. *Alcohol and Alcoholism*.

Published Abstracts

1. Dougherty DM, Hines SE, Steinberg JL, Bjork JM, Moeller FG, **Marsh DM** (1998). Cumulative alcohol dosing selectively impairs delayed but not immediate memory task performance. *Alcoholism: Clinical and Experimental Research*, 22(3), 94.
2. Bjork JM, Dougherty DM, **Marsh DM**, Moeller FG (1999). The effect of alcohol on plasma tryptophan levels during tryptophan depletion and loading. *Alcoholism: Clinical and Experimental Research*, 23(5), 50A.
3. Dougherty DM, Moeller FG, **Marsh DM**, Steinberg JL, Hines SE, Bjork JM (1999). Low doses of alcohol increase commission error rates on a continuous performance test. *Alcoholism: Clinical and Experimental Research*, 23(5), 102A.
4. Moeller FG, Dougherty DM, Bjork JM, **Marsh DM** (1999). Personality disorders and alcohol induced aggression. *Alcoholism: Clinical and Experimental Research*, 23(5), 103A.
5. Dougherty DM, **Marsh DM**, Chokshi RV, Anderson JC, Rosen V, Moeller FG (2000). Moderate and high doses of alcohol affect immediate and delayed memory task performance. *Alcoholism: Clinical and Experimental Research*, 24(5), 91A.
6. **Marsh DM**, Dougherty DM, Bavdhane R, Moeller FG (2000). Increased aggression in women after consuming a serotonin depleting drink. *Alcoholism: Clinical and Experimental Research*, 24(5), 125A.
7. **Marsh DM**, Dougherty DM, Bjork JM, Bavdhane R, Moeller FG (2000). Aggression after consuming a serotonin depleting drink: A gender comparison. *Society for Neuroscience Abstracts*, 26(1), 731.
8. Dougherty D, Moeller F, Swann A, **Marsh DM**, Bjork JM (2001). Laboratory measures of impulsive behavior in humans. *The World Journal of Biological Psychiatry*, 2, 114.
9. Mathias CW, Dougherty DM, Oderinde VA, Moeller FG, Harper RA, **Marsh DM**, Bjork JM (2001, November). Suicidality and a laboratory measure of impulsivity. *Society for Neuroscience Abstracts*, 6, 742.
10. Dougherty DM, **Marsh DM**, Mathias CW, Moeller FG (2002). Alcohol induced aggression: Menstrual phase shifts. *Biological Psychiatry*, 51(8S), 130S.
11. **Marsh DM**, Dougherty DM, Moeller FG, Mathias CW, Swann AC, Spiga R (2002). Plasma tryptophan levels predict laboratory aggressive response to acute tryptophan depletion and augmentation. *Biological Psychiatry*, 51(8S), 131S.
12. Dougherty DM, Mathias CW, **Marsh DM**, Moeller FG (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.

13. Mathias CW, Dougherty DM, **Marsh DM**, Moeller FG (2002). Aggressive responding of women during acute alcohol administration: Differential responding dependent on menstrual cycle phase. *Alcoholism: Clinical and Experimental Research*, 5, 77.
14. Papageorgiou, TD, Dougherty, DM, Mathias, CW, **Marsh, DM**, Moeller, FG (2003). Effects of *L*-tryptophan depletion/loading in combination with alcohol on behavioral impulsivity. *Society for Neuroscience Abstracts*, 13, 197.
15. Dougherty DM, **Marsh DM**, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B (2004). Impulsive behaviour differences following combined alcohol and *L*-tryptophan depletion/loading manipulation. *Journal of Psychopharmacology*, 18(S3), A32.
16. Dougherty DM, Mathias CW, **Marsh DM** (2005). How laboratory models of attention are related to impulsivity. *The World Journal of Biological Psychiatry*, 6, 140-141.
17. Mathias CM, Dougherty DM, **Marsh DM**, Lee M (2004). Age at first drink in women relates to behavioral measures of impulsivity. In LS Harris (Ed), Problems of Drug Dependence, 2003: Proceedings of the 65th Annual Scientific Meeting. *NIDA Research Monograph 184*. Washington, DC: U.S. Government Printing Office. Available at: <http://store.health.org/catalog/productDetails.aspx?ProductID=16864>
18. Addicott MA, Dougherty DM, **Marsh DM**, Mathias CW, Jagar AA, Badawy AA-B (2005). Comparison between 50 and 100 g amino acid formulations for the manipulation of plasma *L*-tryptophan. Society for Neuroscience 35th annual meeting, Neurobiology of Lipids, session #921.15. *Neurobiology of Lipids*, 4. Available at: <http://neurobiologyoflipids.org/content/4/3/>
19. Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA, Morgan CJ, Badawy AA-B (2005). Time-course and side-effect comparison of amino acid formulations for manipulation of plasma *L*-tryptophan. *Journal of Psychopharmacology*, 19, 34.
20. Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA, Morgan CJ, Badawy AA-B (2005). Plasma *L*-tryptophan depletion and loading time-course and side-effect comparison of 50 and 100g formulations. *Neuropsychopharmacology*, 30, 131-132.
21. Dougherty DM, Mathias CW, **Marsh DM** (2005). How laboratory models of attention are related to impulsivity. *The World Journal of Biological Psychiatry*, 6, 140-141.
22. Mathias CW, Dougherty DM, **Marsh DM** (2005). Sensory gating in adolescents with conduct disorder. *Biological Psychiatry*, 57, 346.
23. Addicott MA, **Marsh DM**, Ray MC, Dougherty DM (2006). Biphasic effects of alcohol on response inhibition. *Alcoholism: Clinical and Experimental Research*, S30(6), 95A.
24. Addicott MA, **Marsh DM**, Jagar AA, Mathias CW, Badawy AA-B, Dougherty DM (2006) Society for Neuroscience 35th annual meeting, Atlanta, GA., No. 198.4/OO52. Available at: <http://www.abstractsonline.com/viewer/SearchResults.asp>

25. Badawy AA-B, Morgan CJ, **Marsh DM**, Mathias CW, Dougherty DM (2006). The acute tryptophan depletion test: Specificity issues. *Journal of Psychopharmacology*, 20, a12.
26. **Marsh DM**, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B, Dougherty DM (2006). Tryptophan depletion followed by acute alcohol consumption increases laboratory impulsivity in humans. *Alcoholism: Clinical and Experimental Research*, S30(6), 109A.
27. Ray MC, Addicott MA, Mathias CW, **Marsh DM**, Dougherty DM (2006). Alcohol dose-response, time-course, and gender effects during a laboratory response inhibition paradigm. *Alcoholism: Clinical and Experimental Research*, S30(6), 95A.
28. Badawy AAB, Morgan CJ, Turner JA, Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA (2007). Ethnic differences in plasma kynurenines before and after acute tryptophan loading. *Journal of Psychopharmacology*, 21, 43.
29. Shannon EE, **Marsh DM**, Mathias CW, Dougherty DM (2007). Acute alcohol administration increases laboratory measurements of impulsivity. *Alcoholism: Clinical and Experimental Research*, 31, 48A.
30. Shannon EE, Duncan CR, Mathias CW, **Marsh DM**, Liguori A, Dougherty DM (2007). Laboratory Measures of Impulsivity on Adolescent Marijuana Users. *Drug and Alcohol Dependence*, in press.
31. Dougherty DM, **Marsh-Richard DM**, Mathias CW, Jagar AA, Addicott MA, Moeller FG, Morgan CJ, Badawy, AA-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.
32. Dougherty DM, Nouvion SO, **Marsh-Richard DM**, Dawes MA, Mathias CW (2008.). Familial history of alcoholism and impulsive performance on laboratory behavioral measures. *Alcoholism: Clinical and Experimental Research*, 32, 207A.
33. Badawy AA-B, Dougherty DM, **Marsh-Richard DM** (2008). Specificity of the acute tryptophan depletion and loading tests: Normalisation of the tryptophan and tyrosine ratios in the control formulation by decreasing the content of branched-chain amino acids. *Journal of Psychopharmacology*, in press.
34. Badawy AA-B, Dougherty DM, **Marsh-Richard DM**, Steptoe A (2008). Activation of liver tryptophan pyrrolase mediates the alcohol-induced depletion of brain serotonin in normal subjects. *Journal of Psychopharmacology*, in press.
35. **Marsh-Richard DM**, Dougherty DM, Mathias CW, Dawes MA, Nouvion SO (2008). Gender comparison of breath-alcohol concentrations following bolus and hourly alcohol dosing procedures using multiple alcohol doses. *Alcoholism: Clinical and Experimental Research*, in press.

F. Symposia/Workshops at Scientific Meetings

1. Dougherty D, Moeller F, Swann A, **Marsh D**, Bjork JM (2001, July). *Laboratory Measures of Impulsive Behavior in Humans*. Invited paper presented in a symposium entitled *Psychiatric aspects of impulsivity*. Presented at the meeting of the World Congress of Biological Psychiatry, Berlin, Germany.
2. **Marsh DM** (2004, April). Alcohol and L-tryptophan Manipulations: Laboratory Behavioral Assessment of State-Dependent Aspects of Impulsivity. In DM Dougherty (Chair), *Behavioral Measures of Impulsivity among At-Risk Samples*. Symposium conducted at the 50th annual meeting of the Southwestern Psychological Society, San Antonio, Texas.
3. **Marsh DM** (2004, June). Assessment of State-Dependent Modification of Impulsivity. In DM Dougherty (Chair), *Introduction to Behavioral Measures of Impulsivity for Neuroscience*. Symposium conducted at the 2004 annual meeting of the International Behavioral Neuroscience Society, Key West, Florida.
4. Dougherty DM, Mathias CW, **Marsh DM** (2004, November). Impulsivity and aggression in adolescents with Conduct Disorder. Presented in a symposium entitled: *Clinical research on impulsivity: New developments and directions for possible treatments*. Symposia conducted at the meeting of the World Psychiatric Association, Florence, Italy.
5. Dougherty DM, Mathias CW, **Marsh DM** (2005, June). How laboratory models of attention are related to impulsivity. In FJ Baylé (Chair), *Modeling impulsivity: From clinical constructs to laboratory models*. Symposium conducted at the 8th World Congress of the Biological Psychiatry, Vienna, Austria.
6. Dougherty DM, **Marsh DM**, Mathias CW, Bradley DM, Badawy AA-B (2005, August). *The Effects of Combined Alcohol and L-tryptophan Depletion/Loading Administration on impulsive Behavior*. Paper presented at a symposium entitled "Addresses by 2004 New Fellows - I" at the meeting of the American Psychological Association, Washington, D.C.
7. Badawy AA-B, Morgan CJ, Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA (2006, July). *Assessment of the hepatic kynurenine pathway in normal humans*. Presented in a symposium entitled: *Nutritional Aspects of Tryptophan-Niacin Pathway*. Symposium conducted at the 11th annual meeting of the International Study Group of Tryptophan Research, Tokyo, Japan.
8. Badawy AA-B, Morgan CJ, **Marsh DM**, Mathias CW, Dougherty DM (2006, July). The acute tryptophan depletion test: Specificity and other issues. Presented in a symposium entitled: *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.
9. Dougherty DM, **Marsh DM**, Mathias CW, Morgan CJ, Badawy AA-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. Presented in a symposium entitled: *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. Dougherty DM, **Richard DM**, Mathias CW, Hill-Kapturczak N, Dawes MA, Badawy AA-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 meeting celebrating the 100th anniversary of the Nobel Prize Award to Paul Ehrlich, Nürnberg, Germany.

G. SCIENTIFIC PRESENTATIONS

1. Bjork JM, Dougherty DM, Moeller FG, **Marsh DM** (1998, March). *Gender differences in aggression under alcohol conditions: Effects of high provocation intensity*. Paper presented at the Texas Research Society on Alcoholism, San Antonio, TX.
2. Dougherty DM, Hines SE, Steinberg JL, Bjork JM, Moeller FG, **Marsh DM** (1998, March). *A change in response strategy after small doses of alcohol on a memory performance task*. Paper presented at the Texas Research Society on Alcoholism, San Antonio, TX.
3. Dougherty DM, Hines SE, Steinberg J, Bjork JM, Moeller FG, **Marsh DM** (1998, June). *Cumulative alcohol dosing selectively impairs delayed but not immediate memory task performance*. Invited address presented at the meeting of the Research Society on Alcoholism, Hilton Head Island, SC.
4. Dougherty DM, **Marsh DM**, Bjork JM, Moeller FG (1998, October). *Comparison of conduct disorder and normal control adults with a Continuous Performance Test: Differences in impulsive response characteristics*. Paper presented at the University of Texas - Houston Health Science Center 4th Annual Research Day, Houston, TX.
5. Dougherty DM, Wrubel KM, **Marsh DM**, Bjork JM, Moeller FG (1999, May). *Validation of a new laboratory measure of self-control: A comparison between adults with Antisocial Personality Disorder and normal controls*. Paper presented at the meeting of the Association of Behavior Analysis, Chicago, IL.
6. Bjork JM, Dougherty DM, **Marsh DM**, Moeller FG (1999, June). *The effect of alcohol on plasma tryptophan levels during tryptophan depletion and loading*. Paper presented at the 22nd Annual Research Society on Alcoholism Scientific Meeting, Santa Barbara, CA.
7. Dougherty DM, Moeller FG, **Marsh DM**, Steinberg JL, Hines SE, Bjork JM (1999, June). *Low doses of alcohol increase commission error rates on a continuous performance test*. Paper presented at the 22nd Annual Research Society on Alcoholism Scientific Meeting, Santa Barbara, CA.
8. Moeller FG, Dougherty DM, Bjork JM, **Marsh DM** (1999, June). *Personality disorders and alcohol induced aggression*. Invited address presented at the meeting of the Research Society on Alcoholism, Santa Barbara, CA.

9. Dougherty DM, **Marsh DM** (1999, October). *IMT/DMT, Immediate Memory Task & Delayed Memory Task: A research tool for studying attention and memory processes.* Software presentation at the University of Texas - Houston Health Science Center 5th Annual Research Day, Houston, TX.
10. **Marsh DM**, Dougherty DM, Moeller FG (2000, February). *Effects of cumulative alcohol dosing on ability to withhold inappropriate responses in a go/no-go task.* Paper presented at the 2000 Texas Research Society on Alcoholism Scientific Meeting, Lubbock, TX.
11. **Marsh DM**, Dougherty DM, Bavdhane R, Moeller FG (2000, June). *Increased aggression in women after consuming a serotonin depleting drink.* Paper presented at the 23rd Annual Research Society on Alcoholism Scientific Meeting, Denver, CO.
12. Dougherty DM, **Marsh DM**, Chokshi RV, Anderson JC, Rosen V, Moeller FG (2000, June). *Moderate and high doses of alcohol affect immediate and delayed memory task performance.* Paper presented at the 23rd Annual Research Society on Alcoholism Scientific Meeting, Denver, CO.
13. **Marsh DM**, Dougherty DM, Bjork JM, Bavdhane R, Moeller FG (2000, November). *Aggression after consuming a serotonin depleting drink: A gender comparison.* Paper presented at the 30th Annual Society for Neuroscience Scientific Meeting, New Orleans, LA
14. Mathias CW, **Marsh DM**, Dougherty DM (2001, April). *Menstrual cycle phase and alcohol induced aggression.* Paper presented at the Texas Research Society on Alcoholism, Austin, TX.
15. Mathias CW, **Marsh DM**, Dougherty DM (2001, November). *Suicidality and a laboratory measure of impulsivity.* Paper presented at the 31st Annual Society for Neuroscience Scientific Meeting, San Diego, CA.
16. **Marsh DM**, Dougherty DM, Mathias CW (2001, November). *Acute tryptophan depletion and augmentation: Plasma tryptophan levels predict laboratory aggressive response.* Paper presented at the University of Texas Health Science Center at Houston 7th Annual Research Day, Houston, TX.
17. Dougherty DM, Mathias CM, **Marsh DM** (2002, March). *Serotonin depletion and aggressive laboratory responding: Comparison between men and women.* Presented at the meeting of the Texas Research Society on Alcoholism, Houston, Texas.
18. **Marsh DM**, Dougherty DM, Moeller FG (2002, March). *Individual differences in alcohol-induced aggression and the relationship to 5-HT function in women.* Paper presented at the annual meeting of the Texas Research Society on Alcoholism, Houston, Texas.
19. Mathias CM, **Marsh DM**, Dougherty DM, Moeller FG (2002, March). *Laboratory impulsive performance in adults with adolescent onset drinking.* Paper presented at the annual meeting of the Texas Research Society on Alcoholism, Houston, Texas.

20. Dougherty DM, **Marsh DM**, Mathias CW (2002, April). *Correlations between parent-adolescent pairs on a continuous performance test*. Paper presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.
21. **Marsh DM**, Dougherty DM, Mathias CW (2002, April). *Impulsive behavior of women with high and low trait impulsivity*. Paper presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.
22. Mathias CW, Dougherty DM, **Marsh DM** (2002, April). *Behavioral Impulsivity in women with childhood onset physical aggression*. Paper presented at the 48th annual meeting of the Southwestern Psychological Association, Corpus Christi, TX.
23. Dougherty DM, **Marsh DM**, Mathias CW, Moeller FG (2002, May). *Alcohol induced aggression: Menstrual phase shifts*. Paper presented at the Society of Biological Psychiatry 57th Annual Convention and Program, Philadelphia, PA.
24. **Marsh DM**, Dougherty DM, Moeller FG, Mathias CW, Swann AC, Spiga R (2002, May). *Plasma tryptophan levels predict laboratory aggressive response to acute tryptophan depletion and augmentation*. Paper presented at the Society of Biological Psychiatry 57th Annual Convention and Program, Philadelphia, PA.
25. Dougherty DM, Mathias CW, **Marsh DM** (2002, June). *The IMT/DMT: A behavioral measure of memory, attention, and impulsivity*. Paper presented at the annual meeting for the American Psychological Society, New Orleans, LA.
26. Mathias CW, Dougherty DM, Bjork JM, Harper RA, Moeller FG, **Marsh DM** (2002, June). *Continuous Performance Test: Adolescent performance differences are related to histories of physical fighting*. Paper presented at the annual meeting for the American Psychological Society, New Orleans, LA.
27. **Marsh DM**, Dougherty DM, Bjork JM, Mathias CW, Harper RA, Moeller FG (2002, June). *A comparison of behavioral impulsivity paradigms: Reward-directed versus rapid decision*. Paper presented at the annual meeting for the American Psychological Society, New Orleans, LA.
28. Dougherty DM, Mathias CW, **Marsh DM**, Moeller FG (2002, June). *Aggressive responding during tryptophan depletion and augmentation: Women with high and low Buss-Perry Aggression Questionnaire scores*. Paper presented at the 25th Annual Meeting of the Research Society on Alcoholism, San Francisco, CA.
29. Mathias CW, Dougherty DM, **Marsh DM**, Moeller FG (2002, June). *Aggressive Responding of Women during Acute Alcohol Administration: Differential Responding Dependent on Menstrual Cycle Phase*. Paper presented at the 25th Annual Meeting of the Research Society on Alcoholism, San Francisco, CA.
30. Mathias CW, Dougherty DM, **Marsh DM**, Moeller FG, Lee MA (2003, February). *Update: Laboratory impulsive performance in adults with adolescent onset drinking*. Presented at the meeting of the Texas Research Society on Alcoholism, San Antonio, Texas.

31. Dougherty DM, Mathias CW, **Marsh DM**, Pearson DA, Lee M (2003, April). *Impulsivity in Adults with Suicide Attempts*. Poster presented at the 36th Annual Meeting of the American Association of Suicidology, Santa Fe, New Mexico.
32. Mathias CW, Dougherty DM, Carrizal M, **Marsh DM** (2003, April). *Impulsivity in Adolescents with Suicidal Ideation*. Poster presented at the meeting of the American Association of Suicidology, Santa Fe, New Mexico.
33. Dougherty DM, Papageorgiou TD, Mathias CW, **Marsh DM** (2003, June). *Behavioral impulsivity in conduct disorder: Adolescents with history of impulsive or premeditated aggression*. Poster presented at the meeting of the International Society for Research in Child and Adolescent Psychopathology, Sydney, Australia.
34. Mathias CW, Dougherty DM, **Marsh DM**, Lee M (2003, June). *Age at first drink in women relates to behavioral measures of impulsivity*. Poster presented at the Problems of Drug Dependence, 2003: Proceedings of the 65th Annual Scientific, Bal Harbour, Florida.
35. Dougherty DM, **Marsh DM**, Mathias CW (2003, October). *Behavioral impulsivity paradigms: Comparison in adolescents with Disruptive Behavior Disorders*. Poster presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
36. **Marsh DM**, Dougherty DM, Mathias CW (2003, October). *NEO Personality Inventory: Comparing adolescents with and without Conduct Disorder*. Poster presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
37. Mathias CW, **Marsh DM**, Dougherty DM (2003, October). *Sub-types of aggression in Conduct Disorder: Differences in impulsivity*. Poster presented at the 50th annual meeting of American Academy of Child and Adolescent Psychiatry, Miami Beach, FL.
38. Papageorgiou TD, Dougherty DM, Mathias CW, **Marsh DM** (2003, November). *Effects of L-tryptophan depletion/loading in combination with alcohol on measures of behavioral impulsivity*. Presented at the meeting of the Society for Neuroscience, New Orleans, Louisiana.
39. Mathias CW, Dougherty DM, **Marsh DM**, Frick PJ, Pearson DA, Tester ML (2004, March). *Subtypes of aggression in Conduct Disorder: Differences in time estimation*. Presented at the meeting of the Society for Research on Adolescence, Baltimore, Maryland.
40. Dougherty DM, Mathias CW, **Marsh DM**, Trotter DM (2004, March). *Effects of alcohol on impulsivity after L-tryptophan depletion or loading: A comparison between rapid-decision and reward-directed tasks in healthy adults*. Presented at the meeting of the Texas Research Society on Alcoholism, Fort Worth, Texas.

41. **Marsh DM** (2004, April). *Conduct Disorder: Age of onset and reward-directed impulsivity*. Paper presented at the 50th annual conference of the Southwestern Psychological Association, San Antonio, TX.
42. Dougherty DM, **Marsh DM**, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B (2004, July). *Impulsive behaviour differences following combined alcohol and L-tryptophan depletion/loading manipulation*. Paper presented at the British Association for Psychopharmacology, Harrogate, UK.
43. Dougherty DM, Mathias CW, **Marsh DM** (2004, November). *Impulsivity and aggression in adolescents with Conduct Disorder*. Paper presented at a symposium entitled "Clinical research on impulsivity: New developments and directions for possible treatments." Presented at the meeting of the World Psychiatric Association, Florence, Italy.
44. **Marsh DM**, Dougherty DM, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B (2005, February). *Interactive effects of alcohol and serotonin manipulation on cognitive impulsivity*. Paper presented at the North Carolina Cognition Conference, Winston-Salem, NC.
45. Mathias CW, Dougherty DM, **Marsh DM** (2005, February). *Prepulse inhibition in adolescent Conduct Disorder*. Poster presented at the North Carolina Cognition Conference, Winston-Salem, NC.
46. Mathias CW, Dougherty DM, **Marsh DM** (2005, May). *Sensory gating in adolescents with Conduct Disorder*. Poster presented at the 60th annual meeting of the Society for Biological Psychiatry, Atlanta, GA.
47. Reist C, Dougherty DM, Nakamura K, **Marsh DM** (2005, June). *Effects of Bupropion and Escitalopram on laboratory measures of impulsivity in impulsive aggressive patients*. Poster presented at the meeting of the New Clinical Drug Evaluation Unit (NCDEU), Boca Raton, Florida.
48. Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA, Morgan CJ, Badawy AA-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 DM, **Marsh DM**, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B (2005, August). *The Effects of Combined Alcohol and L-tryptophan Depletion/Loading Administration on Impulsive Behavior*. Paper presented at the American Psychological Association, Washington, DC.
50. Addicott MA, Dougherty DM, **Marsh DM**, Mathias CW, Jagar AA, Badawy AA-B (2005, November). *Comparison between 50g and 100g amino acid formulations for the manipulation of plasma L-tryptophan*. Paper presented at the meeting of the Society for Neuroscience, Washington, D.C.

51. Mathias CW, Liguori A, **Marsh DM**, Dougherty DM (2005, November). *Behavioral Impulsivity in Adolescents with Conduct Disorder: Effects of Recent Marijuana Use*. Poster presented at the annual meeting of the International Society for Research on Impulsivity, Washington, D.C.
52. Prevette KN, Mathias CW, **Marsh DM**, Dougherty DM (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.
53. Ray M, Addicott MA, Mathias CW, **Marsh DM**, Dougherty DM (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.
54. Addicott MA, Dougherty DM, **Marsh DM**, Mathias CW, Jagar AA, Morgan CI, Badawy AA-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.
55. Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA, Morgan CJ, Badawy AA-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.
56. Dougherty DM, Mathias CW, **Marsh DM** (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.
57. Mathias CW, Dougherty DM, **Marsh DM** (2006, March). *Time Estimation in Adolescent Conduct Disorder with either Impulsive or Premeditated Aggression*. Poster presented at the 11th biennial meeting of the Society for Research on Adolescence, San Francisco, CA.
58. Addicott MA, **Marsh DM**, Ray MC, Dougherty DM (2006, June). *Biphasic effects of alcohol on response inhibition*. Presented at the meeting of the Research Society on Alcoholism, Baltimore, Maryland.
59. **Marsh DM**, Mathias CW, Morgan CJ, Bradley DM, Badawy AA-B, Dougherty DM (2006, June). *Tryptophan Depletion Followed by Acute Alcohol Consumption Increases Laboratory Impulsivity in Humans*. Poster presented at the 2006 annual meeting of the Research Society on Alcoholism, Baltimore, MD.
60. Ray MC, Addicott MA, Mathias CW, **Marsh DM**, Dougherty DM (2006, June). *Alcohol Dose-Response, Time-Course, and Gender Effects during a Laboratory Response*

Inhibition Paradigm. Poster presented at the 2006 annual meeting of the Research Society on Alcoholism, Baltimore, MD.

61. Addicott MA, **Marsh DM**, Jagar AA, Mathias CW, Badawy AA-B, Dougherty DM (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.
62. Mathias C W, Duncan CD, **Marsh DM**, Liguori A, Dougherty DM (2006, October). *At-risk youth: Marijuana use, impulsivity, and information processing*. Presented at the meeting of the Carolina Cannabinoid Collaborative, Greensboro, North Carolina.
63. Gauthier KJ, Furr RM, Mathias CW, Dougherty DM, **Marsh DM** (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.
64. Mathias CW, Prevette KN, **Marsh DM**, Dougherty DM (2007, April). *Temporal processing and repeated suicide attempts*. Presented at the 40th annual meeting of the American Association of Suicidology, New Orleans, LA.
65. Prevette KN, Dougherty DM, Mathias CW, **Marsh DM** (2007, April). *Impulsivity in Teen Self-Harm & Suicide Attempts*. Poster presented at the 40th annual meeting of the American Association of Suicidology, New Orleans, LA.
66. Nouvion SO, Dawes MA, Furr RM, **Marsh DM**, Mathias CW, Dougherty DM (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, DC
67. Shannon EE, Duncan CR, Mathias CW, **Marsh DM**, Liguori, Dougherty DM (2007, June). *Laboratory Measures of Impulsivity in Adolescent Marijuana Users*. Poster presented at the 69th annual meeting of the College on Problems of Drug Dependence, Quebec City, Quebec, Canada.
68. Badawy AA-B, Morgan CJ, Turner JA, Dougherty DM, **Marsh DM**, Mathias CW, Addicott MA, Jagar AA (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.
69. Shannon EE, **Marsh DM**, Mathias CW, Dougherty DM (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.
70. Dougherty DM, Nouvion SO, **Marsh-Richard DM**, Dawes MA, Mathias CW (2008, February). *Familial history of alcoholism and impulsive performance on laboratory*

behavioral measures. Poster presented at the annual meeting of the Texas Research Society on Alcoholism, Austin, Texas.

71. **Marsh-Richard DM**, Dougherty DM, Mathias CW, Dawes MA, Nouvion SO (2008, February). *Gender comparison of breath-alcohol concentrations following bolus and hourly alcohol dosing procedures using multiple alcohol doses*. Poster presented at the annual meeting of the Texas Research Society on Alcoholism, Austin, Texas.
72. Dougherty DM, **Marsh-Richard DM**, Mathias CW, Jagar AA, Addicott MA, Moeller FG, Morgan CJ, Badawy, AA-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 to be presented at the Society of Biological Psychiatry 63rd Annual Convention and Program, Washington DC.
73. Badawy AA-B, Dougherty DM, **Marsh-Richard DM**, Steptoe A (2008, July). *Activation of liver tryptophan pyrrolase mediates the alcohol-induced depletion of brain serotonin in normal subjects*. Poster to be presented at the annual meeting of the British Association for Psychopharmacology, Harrogate, United Kingdom.
74. Dougherty DM, **Richard DM**, Mathias CW, Hill-Kapturczak N, Dawes MA, Badawy AA-B (2008, October). *L-tryptophan as a Research Compound and Therapeutic Agent*. Invited Presentation, 2nd World Conference on Magic Bullets (Ehrlich II), Nürnberg, Germany.
75. Cates S, Mathias CW, Farris S, **Richard DM**, Dawes MA, Dougherty DM (2009, April). *Training "experts" in consensus ratings of the Stressful Life Events Schedule*. Poster to be presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
76. Farris S, Mathias CW, Cates S, Dawes MA, **Richard DM**, Dougherty DM (2009, April). *Lifetime history of stressful life events in an adolescent inpatient psychiatric sample*. Poster to be presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
77. John S, **Richard DM**, Mathias CW, Dawes MA, Dougherty DM (2009, April). *Factors of Cigarette and Alcohol Use in Adults Aged 21-45*. Poster to be presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
78. Kilpatrick AC, Dawes MA, Mathias CW, **Richard DM**, Dougherty DM (2009, April). *Multiple methods to assess abstinence outcomes in marijuana-using adolescents*. Poster to be presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.
79. Surber AE, **Richard DM**, Mathias CW, Dawes MA, Dougherty DM (2009, April). *Beliefs and Expectations about Alcohol are related to Level of Education*. Poster to be presented at the 55th annual meeting of the Southwestern Psychological Association, San Antonio, TX.

H. Computer Software and Manuals/Software Copyrights

1. Dougherty DM, **Marsh DM** (1999). *IMT/DMT, Immediate Memory Task & Delayed Memory Task: A research tool for studying attention and memory processes*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
2. Dougherty DM, **Marsh DM** (2003). *Immediate & Delayed Memory Tasks (IMT/DMT 2.0): A research tool for studying attention, memory, and impulsive behavior [Manual]*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
3. Dougherty DM, **Marsh DM**, Mathias CW (2003). *Two Choice Impulsivity Paradigm (Version 1.0) [Manual]*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
4. Dougherty DM, **Marsh DM**, Mathias CW, Papageorgiou TD (2003). *Single Key Impulsivity Paradigm (Version 1.0) [Manual]*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
5. Dougherty DM, Mathias CW, **Marsh DM** (2003). *GoStop Impulsivity Paradigm (Version 1.0) [Manual]*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.
6. Dougherty DM, Mathias CW, **Marsh DM** (2003). *Time Paradigm (Version 1.0) [Manual]*. Neurobehavioral Research Laboratory and Clinic, University of Texas Health Science Center at Houston, Houston, Texas.

I. Community Activity and Memberships

1. *National Association of Mental Illness*, Volunteer, Mental Illness Awareness Week, Invited Speaker and Mental Health Screening
2. *UTHSCSA Annual Science Fair Expo*, Volunteer, Women's Faculty Association
3. *United States Parachute Association*, Member, May 2002-Present, B License
4. *Houston Science and Engineering Fair*, Annual judge in medicine and health category, 2000-2003
5. *Fort Bend ISD National Forensics League*, Seasonal judging for county-wide competitions, 1999-2003
6. *Fort Bend County*, Foster parent for at-risk teen, 1999-2002

J. Other Interests

1. Skydiving, 150 jumps and counting
2. Throwing Pottery
3. Sand Sculpting – Amateur Competitions

4. Racquetball
5. Snow Skiing
6. Juggling (just learning)
7. Banjo (beginner)