**CURRICULUM VITAE**

Scott Daniel Lane

* 1. PRESENT TITLE AND AFFILIATION

Professor & Vice Chair for Research

Department of Psychiatry and Behavioral Sciences

Director of Research, Harris County Psychiatric Center

Director, Neurobehavioral Laboratory, Center for Neurobehavioral Research on Addictions

University of Texas Health Science Center at Houston

BBSB 1312, 1941 East Road, Houston, TX 77030

713-486-2535 || scott.d.lane@uth.tmc.edu

**EDUCATION**

 BA, Whitman College, 1988

 Ph.D., Auburn University, 1996

 Postdoctoral (Psychopharmacology): UT Health Science Center - Houston, 1996.

 National Institute for Drug Abuse (NIDA Post-Doctoral Training Grant T32- DA07247).

**ACADEMIC APPOINTMENTS**

 Vice Chair for Research, 2012 – present

 Department of Psychiatry and Behavioral Sciences

 McGovern School of Medicine, UT Health Science Center at Houston

 Director of Research, 2015 – present

 Harris County Psychiatric Center

 UT Health Science Center at Houston & Mental Health Mental Retardation Association

 Professor, 2010 – present

Department of Psychiatry and Behavioral Sciences

 McGovern School of Medicine, UT Health Science Center at Houston

 Adjunct Professor, 2004 – present

 Program in Neuroscience

 Graduate School of Biomedical Sciences, UT Health Science Center at Houston

 Associate Professor, 2005 – 2009

Department of Psychiatry and Behavioral Sciences

 School of Medicine, UT Health Science Center at Houston

 Assistant Professor, 1999 – 2005

 Department of Psychiatry and Behavioral Sciences
 School of Medicine, UT Health Science Center at Houston School of Medicine

 Research Fellow, 1997 – 1998

 Department of Psychiatry and Behavioral Sciences, UT Health Science Center at Houston.

 National Institutes of Health, National Service Research Award (NIDA Grant F32-DA05774).

**PROFESSIONAL ORGANIZATIONS**

 American Association for the Advancement of Science

 Association for Behavior Analysis

 American Psychological Association (Divisions 6, 25, 28)

 College on Problems of Drug Dependence (*International organization*)

 International Society for Research on Impulsivity (*International organization*)

 Society for Judgment and Decision Making

 Society for the Quantitative Analysis of Behavior (SQAB)

 Sigma Xi Scientific Research Society

**HONORS AND AWARDS**

2014: *John P. McGovern Award* for Outstanding Teaching, Graduate School of Biomedical

 Sciences, UTHSC School of Medicine

2006: *Fellow*, American Psychological Association (Division 28).

 2011: *Drug and Alcohol Dependence:* top reviewer recognition

2001: *Young Psychopharmacologist Award,* Wyeth-Ayerst / American Psychological Association (Div 28) - for outstanding scientific achievement within the first five years of professional career.

 1997: *Young Scientist Travel Award,* NIH / NIDA, College on Problems of Drug Dependence.

 1995: Winner, ABA / Experimental Analysis of Human Behavior student research competition.

 1988: Phi Kappa Phi Honor Society

* 1. GRANT REVIEW WORK

PASA, 2015-2016: Pharmacotherapies for Alcohol and Substance Use Disorders,

 Consortium for Congressionally Directed Medical Research Programs

 (<http://cdmrp.army.mil/>), and US Department of Veterans Affairs.

NIH study section, 2015: IPTA, Interventions to Prevent and Treat Addictions

NIH study section, 2015: RPIA, Risk, Prevention and Intervention for Addictions

NIH study section, 2015: BRLE, Biobehavioral Regulation, Learning and Ethology

NIH review, 2013: RFA NIDA-13-007: Identifying Health Outcomes Associated with

Changes in Use of Illicit Drugs

NIH study section, 2008-2009: APDA, Adult Psychopathology and Disorders of Aging

NIH study section, 2007-2009: RPIA, Risk, Prevention and Intervention for Addictions

NIH study section, 2006-2007: NIDA-K, Training and Fellowship committee

NIH study section, 2004-2005:NIMH, Neuroscience and Basic Behavioral Science

Netherlands Organization for Health Research and Development, 2007-2009:

 High Risk Behavior and Dependency section (*International organization*)

US-Israel Bi-national Science Foundation Reviewer, 2006-2007: Cognitive and Decision

Sciences. (*International organization*)

**EDITORIAL WORK**

 Editorial Board, 2010-present: Behavioral Sciences

Editorial Board, 2008-2011: The Open Neuropsychopharmacology Journal

 Editorial Board, 2003-2005: Addictive Disorders and Their Treatments

 Editorial Board, 2002-2005: Journal of the Experimental Analysis of Behavior

 Editorial Board, 1997-2001, 2004-2006: Experimental Analysis of Human Behavior Bulletin

**Ad-hoc reviewer**: Addiction; Addictive Behaviors; Addiction Biology; Aggression & Violent Behavior; Alcoholism: Experimental and Clinical Research; American Journal on Drug and Alcohol Abuse; Behavioral Neurology; Behavioural Pharmacology; Behavioural Processes; Biological Psychiatry; Biological Psychology; Biology of Sex Differences; BMC Medicine; Cerebral Cortex; Clinical Chemistry; Developmental Psychology; Drug and Alcohol Dependence; Experimental and Clinical Psychopharmacology; European Psychiatry; Human Brain Mapping; International Journal of Psychology; Journal of Abnormal Psychology; Journal of Applied Behavior Analysis; Journal of Addiction Research and Therapy; Journal of Caffeine Research; Journal of the Experimental Analysis of Behavior; Journal of Experimental Psychology: General; Journal of Experimental Neuropsychology; Journal of Neural Transmission; Journal of Neuroscience; Journal of Neuroscience Psychology and Economics; Journal of Neurotoxicology & Teratology; Journal of Psychopharmacology; Journal of Studies on Alcohol and Drugs; Nature Scientific Reports; Neuropsychopharmacology; Neuroscience Letters; Pharmacology Biochemistry and Behavior; Philosophical Transactions of the Royal Society: London; PLos One;Psychopharmacology; Psychological Record

* 1. SERVICE: UNIVERSITY OF TEXAS – HOUSTON MEDICAL SCHOOL COMMITTEES

 Academic Standards Committee, GSBS (2015-present)

 Psychiatry Executive Committee (2013-present)

 Psychiatry Faculty Tenure and Promotions Committee, (2011-present)

 Coordinator for Saltzberg Summer Research Fellowship (MS1 research training program,

 Dept of Psychiatry, 2011 – present)

 Committee for the Protection of Human Subjects (IRB), UTHSC-Houston (2008 - 2015)

Psychiatry Lecture Series & Pharmaceutical Support Committee (2001 – 2007, 2010-present)

 Faculty Interviewer, Psychiatry Residency Admissions (2001 – present)

 Psychiatry Research, Planning and Coordination Committee (2001 – present)

 Chair: Space Committee, Department of Psychiatry & Behavioral Sciences (2005-2007, 2014-)

 Academic Council, Department of Psychiatry & Behavioral Sciences (2007 - 2010)

 Internal grant review, UTHSC NIH-funded Center for Clinical and Translational Science (2012)

Faculty Interviewer, Medical School Admissions Board (2001 – 2006)

* 1. SERVICE TO THE SCIENTIFIC COMMUNITY

**Program Chair**: American Psychological Association Annual Convention, Division 28 (Psychopharmacology and Substance Abuse): 2003, 2004

**Consultant**: PhenX Substance Abuse and Addiction (SAA) Working Group 2. PhenX provides standardization of measures related to complex diseases, phenotypic traits and environmental exposures. Funded under NHGRI award No. U01 HG004597. 2012.

**Data Safety and Monitoring Board**: A Human Laboratory Assessment of The Safety and Potential Efficacy of Varenicline in Methamphetamine-Dependent Volunteers Receiving Methamphetamine (H-26875). Baylor College of Medicine, De La Garza II, Newton, PIs. (2011-2014)

**Scientific Consultant**: Health Leader Online Magazine: “Artificial high: Synthetic drugs are anything but safe.” (March, 2015)

**UTHealth Addiction Expert**: Fox Chanel 26 News, Brain Awareness Week. (April, 2015)

 **Panel Member, Public Forum**: “The Brain on Drugs”, UTHealth Neuroscience Research Center (April, 2015)

 **Gulf Coast Consortium Steering Committee**: Translational Science Cluster (2015-present)

**Data Safety and Monitoring Board**: Non-Invasive Direct Current Stimulation for Cognition in Schizophrenia (NARSAD). UTHealth, Raymond Cho, PI (2015-present).

**UTHealth New Investigator Development Program:** Supervising Mentor (2015)

* 1. TEACHING
	2. Developmental Psychology (1992)

 Learning and Conditioning (1993-1994)

 Quantitative Methods (Statistics) (1994-1995)

 Psychopharmacology, University of Houston Graduate Seminar (2003)

 Behavioral Pharmacology, UTHSC Graduate School of Biomedical Science (2004)

 Neurobiology of Addiction Lecture Series, UTHSC GSBS (2006)

 Psychopharmacology Lecture Series, UTHSC Dept of Psychiatry,

Clinical Psychology Internship Program (2005, 2006)

 Psychopharmacology Lecture Series, UTHSC, Psychiatry Grand Rounds (2001, 2002, 2004)

 Behavioral Science Interviewing, Preceptor – MS year 2 student rotation (2002-2014)

 Research Methodology I, II, & III – Psychiatry Research & Education Series, PGY 2 & PGY 3

 (2009 - 2011)

Behavioral Sciences Block II, MS year 2 Lecture Series on Addiction (2012-2015).

 Drugs and Cognition: Psychopharmacology I & II, UTHSC GSBS Cognitive Neuroscience

 (2010-2015)

 Neurobiology of Disease: Addiction, Clinical and Neurobiological Perspectives.

UTHSC GSBS (2013)

Research Ethics, Principles and Practice: UTHSC Psychology Internship Lecture Series

 (2014-present).

Neurobiology of Disease: Stress and the Brain. Co-Director, UTHSC GSBS (2015).

* 1. TRAINING

 Mentor for Assistant Professor Benson Mwangi Irungu, Ph.D. (UTHSC Psychiatry, 2015- present). Consultant for KL2 application, “Individualized bio-behavioral markers of vulnerability and disease progression in bipolar disorders”

 Mentor for post-doctoral fellow Isabelle Bauer, Ph.D. (UTHSC Psychiatry, 2015-present)

 Consultant for K01 application, “Cognitive, neural and physiological basis of affective

 biases in mood spectrum disorders”

 Mentor for Assistant Professor Margaret Wardle, Ph.D. (UTHSC Psychiatry, 2014-2016)

1. Co-Mentor on funded K23 application, “Targeting Anhedonia in Cocaine Use Disorder”

Mentor for Assistant Professor Ola O. Okusaga, M.D. (UTHSC Psychiatry, 2014 - 2016)

Co-Mentor on K23 application, “Peripheral inflammation and inhibitory control in

psychosis”

Mentor for Assistant Professor Anka Vujanovic, Ph.D. (UTHSC Psychiatry, 2013-2015)

Co-Mentor on funded KL2 award, “Randomized Controlled Trial of a Novel Cognitive-Behavioral Treatment for PTSD and Cocaine Dependence.”

Mentor for psychiatry resident (research track) Ajay Parsaik, M.D. (2015-2016)

 MIRECC Training Residents in Psychiatry Scholarship (TRIPS) Program

 Area 5 APA resident / fellow poster competition 1st place

 Mental Health Congress resident / fellow poster award 1st place

Mentor for psychiatry resident (research track) Samet Kose, M.D., Ph.D. (2013-2014)

 2014 Janssen Resident Psychiatric Research Scholar

 2014 APA Young Investigator Award

Mentor for psychiatry resident (research track) Nilesh S. Tannu, M.D. (2013-2014)

 2014 Society for Biological Psychiatry Travel Award Winner

2013 Janssen Resident Psychiatric Research Scholar

 2014-2015 UTHSC Psychiatry Chief Resident

Mentor for graduate student Nadeeka Dias, Ph.D. (UTHSC GSBS, 2011 – 2014)

 Primary advisor and doctoral committee chair

 2012 Frances Adoue Lynch Addiction Research Award

2013 Primm-Singleton Award – College on Problems of Drug Dependence

2013 National Eye Institute (NIH) Fellowship for Young Investigators, Gordon

 Research Conference

 2014 Robert W. and P. Wallis Knox Charitable Foundation Scholarship Award

 post-doctoral fellow, Harvard Medical School / McLean Hospital (S.E. Lukas, 2014-15)

Mentor for Assistant Professor Kirti Saxena, M.D. (2011-2012, UTHSC Psychiatry)

 Co-Mentor on K23 application, “Neural and Laboratory Markers of Impulsive

 Aggression n Bipolar Adolescents”

 Mentor for graduate student Nuvan Rathnayaka, MPH (2010-2014, UTHSC

 School of Public Heath)

 Co-Advisor for Master Thesis, co-author on 8 publications

 Graduate Research Assistant, University of North Carolina, Biostatistics (2014-present)

Mentor for graduate student Joshua L. Gowin, Ph.D. (UTSHC GSBS, 2006 – 2011)

 Primary advisor and doctoral committee chair

 post-doctoral fellow, UC San Diego (M.P. Paulus, 2012-2013)

 research fellow, NIAAA (V. Ramchandani, 2013 – present)

 Mentor for graduate student Joseph Alcorn (UTHSC GSBS, 2009 – 2014)

 Primary advisor and doctoral committee chair

 2014 Dee S. and Patricia Osborne Endowed Scholarship

 2011-2012 Roberta M. and Jean M. Worsham Endowed Scholarship winner

2012 Primm-Singleton Award – College on Problems of Drug Dependence

post-doctoral fellow, University of Kentucky Medical School (C.R. Rush, 2015-2016)

 Mentor for graduate student Lorena Maili (UTSHC GSBS, 2008-2011)

 2009-2010 Roberta M. and Jean M. Worsham Endowed Scholarship winner

 Mentor for post-doctoral fellow Shijing Liu, Ph.D. (2008-2012)

 MD Anderson Cancer Center Behavioral Sciences Fellowship 2012-2013

 Mentor for post-doctoral fellow Lori M. Lieving, Ph.D. (2004-2006)

 co-mentored NIH/NSRA F32 award

 currently Faculty/Director of Research Programs, Carolinas College of Health Sciences

 Mentor for post-doctoral fellow Cynthia J. Pietras, Ph.D. (2000-2003)

 co-mentored NIH/NSRA F32 application

 currently Associate Professor, Western Michigan University, PI on NSF grant

 Mentor for graduate student Sylvain O. Nouvion, Ph.D. (UTSHC GSBS, 2002-2006)

 co-mentored NIH/NSRA F31 application

 doctoral advisory committee, Chair for GSBS examining committee

 post-doctoral fellow, Wake Forest University, (2007-2008, D.M. Dougherty)

 Mentor for UTHSC Saltzberg Research Scholarship, MS 1 students:

 Katherine Nelson (2006), Charles Lewis (2007), Kelley Babcock (2007),

Courtney Olsen (2011), Genevieve Holmes (2013)

 Consultant for Delphine Psychoyos, Ph.D., Texas A&M Health Science Center (2007-2008)

 NIH/NSRA F32 award “Teratogenic Effects of Marijuana in Developing CNS”

**COLLABORATIVE SCIENTIFIC VENTURES**

University of Texas Medical Branch – Galveston (K.A. Cunningham, K.T. Dineley). Role of PPAR-gamma and brain circuit alterations in cocaine abuse. 2014-2016.

Virginia Commonwealth University (F.G. Moeller). Impulsivity and trauma in substance use disorders. 2013-2015.

Duke University (S.H. Kollins). Methylphenidate, ADHD, and nicotine dependence. 2009-2013.

Mount Sinai School of Medicine (N. Klein). Genes, Brain, and Behavior in Human Aggression.

2011-2015.

Baylor College of Medicine (T.R. Kosten). Neural correlates of stimulant administration on impulse control in cocaine dependence. 2008-2010.

University of California – San Diego (M.P. Paulus). Neurobiology of risky decision making and impulsivity. 2004-2008.

* 1. CURRENT GRANT SUPPORT (all $ in direct costs)

Role of the orexin receptor system at the nexus of stress, sleep and drug abuse

 Principle Investigator, The McManus Charitable Trust.

 2015-2016, $50,000

Buspirone, Stress, and Attentional Bias to Marijuana Cues

 Principle Investigator**.** NIDA, R21 DA034825

 2013-2015, $150,000 / year

Cognitive-enhancing DA Medications for Cocaine Dependence

 Co-Principle Investigator (Co-PI, J.M. Schmitz). NIDA, R01 DA030787

 2010-2015, $300,000 / year

Psychopharmacology of Novel Medications for Cocaine Dependence

 Principal Investigator. NIDA, (R01 component for P50 DA009262)

 2010 – 2015 $120,000 / year

Substance Abuse Research – Medications Development Center

 Co-Investigator. NIDA, P50 DA 009262 (PI, J.M. Schmitz)

 2010-2015. $1,386,640 / year

Research Training in Substance Dependence

Co-Investigator. NIDA, R25 DA 028976 (PI, T.F. Newton)

2011-2015. $1,262,000

**OTHER SUPPORT**

Center for Outcome Study and Program Evaluation in Mental Health

 Principle Investigator. UT System Institutional Endowment.

 $1,548,000 (~ $75,000 annual)

Drug and Alcohol Abuse Research Fund

 Principle Investigator. UTHSC Psychiatry & Behavioral Sciences Fund.

 $30,000 annual

**PENDING GRANT SUPPORT**

BCM-UTH Inter-Institutional Medication Development Center

 Co-Investigator, NIDA P50 Center of Excellence (Kosten, Schmitz, PIs)

PI for Translational Biobehavioral Markers Core

Pharmacogenetic Treatment for Cocaine Use Disorder

 Co-Investigator, NIDA R01 DA041686-01 (Schmitz, PI)

**PAST GRANT SUPPORT**

Neural Correlates of Alcohol Effects on Aggressive Behavior

 Principal Investigator. NIAAA, R01 AA 016965

 2008-2013, $200,000 / year

Novel Biomarkers and Therapeutics in Addictions and Impulse Control Disorders

Co-Investigator. NCRR/NIH 1UL1RR029876-01 (PI, K.A. Cunningham)

 2011-2013. $150,00 / year

Drugs of Abuse and Aggressive Behavior

 Principle Investigator**.** NIDA, R01 DA 003166

 2006-2012, $175,000 / year

Impact of Minocycline on Cognitive Symptoms in Early-Course Schizophrenia

 Co-Investigator. Stanley Medical Research Institute (PI, M. Shad)

 2011-2012. $287,200 / year.

Contingency Management plus Levodopa/Carbidopa for Treatment of Cocaine Dependence.

 Co-Investigator. NIDA, R01 DA023608 (PI, J.M. Schmitz)

 2007-2012. $250,000 / year

Adenosine receptor antagonists in cocaine dependence: caffeine and paraxanthine

 Principal Investigator. NIDA, (R01 component for P50 DA009262, PI, F.G. Moeller)

 2007 – 2009 $150,000 / year

PharmacoMRI, impulse control, and cue reactivity in cocaine dependence

 Co-Invesitgator (sub-award) NIDA, P50 DA 19197

 (PI, TR Kosten: Cocaine Pharmacotherapy Targeting Dopamine & GABA)

 2007 – 2009. $125,000 / year

Mechanisms in Risk Taking: Disinhibitory Drugs of Abuse.

 Principal Investigator. NIDA, R01 DA 15392

 2002-2007. $125,000 / year

Marijuana Effects on Basic Behavioral Mechanisms.

Principal Investigator. NIDA, R01 DA 12968

 2000-2006. $125,000 / year.

Altering Behavioral Risk for Drug Dependence.

 Co-Investigator. NIDA, R01 DA 10552

(PI, Don R. Cherek) 1998 – 2003. $138,473 / year.

Behavioral Mechanisms in High Risk Populations.

Co-Investigator. NIDA, R01 DA 10592

 (PI, Don R. Cherek) 1997 – 2002. $104,796 / year.

Effects of Chronic Administration of Atomoxetine (Strattera) on Aggressive and Impulsive Behavior of Adult Human Volunteers with a History of Conduct Disorder.

Principal Investigator. Lilly Research Laboratories, Ely Lilly Co. 2005-2007, $67,605.

Effects of Marijuana on Maladaptive Behavior Patterns.

 Principle Investigator: NIDA, National Service Research Award F32 DA 05774.

 1997-1998. 50,000 / year.

**PUBLICATIONS**

*Metrics*

\* h-index = 33

 \* Google i-10 index = 71

 \* ResearchGate Scholar Index = 39

*Peer Reviewed Original Journal Publications*

 Wardle, M.C., Vujonovic, A.A., Liu, S., Dias, N.R., & Lane, S.D. (in press). Attentional bias in adults with cannabis use disorders. Journal of Addictive Diseases. doi: 10.1080/10550887.2015.1116354.

 Hamilton, J.E., Heads, A.M., Cho, R.Y., Lane, S.D., Soares, J.C. (in press). Racial disparities during admission to an academic psychiatric hospital in a large urban area. Comprehensive Psychiatry.

 Lijffijt, M., Maili, L., Lane, S.D., Moeller, F.G., Steinberg, J.L., & Swann, A.C. (in press). Impulsivity and risk seeking relate differentially to intensity-sensitivity of N1 and P2 auditory evoked potentials. Journal of Neuropsychiatry and Clinical Neurosciences.

Alcorn, J.L., Rathnayaka, N., Swann, A.C., Moeller, F.G., & Lane, S.D. (in press). Effects of intranasal oxytocin on aggressive responding in Antisocial Personality Disorder. The Psychological Record.

 Steingroever, H., Fridberg, D.J., Horstmann, A., Kjome, K.L., Kumari, V., Lane, S.D., Maia, T.V., McClelland, J.L., Pachur, T., Premkumar, P., Stout, J., Wetzels, R., Wood, S., Worthy, D.A., Wagenmakers, E.J. (in press). Data from 617 Healthy Participants Performing the Iowa Gambling Task: A “Many Labs” Collaboration. Journal of Open Psychology Data. DOI: http://dx.doi.org/10.5334/jopd.ak.

 Dias, N.R., Schmitz, J.M., Rathnayaka, N., Red, S.D., Sereno, A.B., Moeller, F.G., & Lane, S.D. (2015). Anti-saccade error rates as a measure of attentional bias in cocaine dependent subjects. Behavioural Brain Research, 292, 493-499.

 Alcorn III, J.L., Green, C.E., Schmitz, J.L., & Lane, S.D. (2015). Effects of oxytocin on aggressive responding in healthy adult males. Behavioural Pharmacology (special issue on behavioral pharmacology of social behavior), 26, 798-804.

Yoon, J.H., Lane, S.D., & Weaver, M.W. (2015). Opioid analgesics and nicotine: More than blowing smoke. Journal of Pain & Palliative Care Pharmacotherapy, 16, 1-9.

 Ma, L., Steinberg, J.L., Cunningham, K.A., Lane, S.D., Bjork, J.M., Neelakantan, H., Price, A.E., Narayana, P.A., Kosten, T.R., Bechara, A., Moeller, F.G. (2015). Inhibitory behavioral control: A stochastic dynamic causal modeling study comparing cocaine dependent subjects and controls. NeuroImage: Clinical, 7, 837-847.

Dias, N.R., Green, C.E., Rathnayaka, N., Schmitz, J.M., & Lane, S.D. (2015). Demographic and psychological factors associated with lifetime cocaine use: An exploratory factor analysis of baseline questionnaires. Addictive Disorders & Their Treatment, 14, 70-77.

Liu. S., Maili, L., Lane, S.D., Schmitz, J.L., Spellicy, C.J., Cunningham, K.A., Moeller, F.G., & Nielsen, D.A. (2015). Cocaine dependence moderates the relationship between 5-HTTLPR genetic diversity and impulsivity. Psychiatric Genetics, 25, 213-214.

 Price, A.E., Neelakantan, H., Ma, L., Steinberg, J.L., Lane, S.D., Bjork, J.M., Narayana, P.A., Kosten T.R., Bechara, A., Anastacio, N.C., Moeller, F.G., Cunningham, K.A. (2015). Dynamic causal modeling in humans offers a novel approach to delineate prefrontal-striatal serotonergic drivers of impulsivity in rats. Drug and Alcohol Dependence 11/2015; 156:e181: DOI: 10.1016/ j.drugalcdep.2015.07.674

 Ramesh, D., Steinberg, J.L., Lane. S.D., Schmitz, J.S., Cifu, D.X., & Moeller, F.G. (2015). Prevalence of mild traumatic brain injury in cocaine-dependent research volunteers. The American Journal on Addictions, 24, 341-347.

Kose, S., Steinberg, J.L., Moeller, G.G., Gowin, J.L., Zuniga, E., Kamdar, Z.N., Schmitz, J.L., & Lane, S.D. (2015). Neural correlates of impulsive aggressive behavior in subjects with a history of alcohol dependence. Behavioral Neuroscience, 129, 183-196.

Ma. L., Steinberg, J.L., Cunningham, K.A., Lane, S.D., Kramer, L.A., Narayana, P.A., Kosten, T.R., Bechara, A., & Moeller, F.G. (2015). Inhibitory behavioral control: a stochastic dynamic causal modeling study using network discovery analysis. Brain Connectivity, 5, 177-186.

 Wu, H.E., Mohite, S., Ngana, I., Burns, W., Shah, N., Schneider, L., Schmitz, J.M., Lane, S.D., & Okusaga, O.O. (2015). Hospital length of stay in individuals with schizophrenia with and without cocaine positive urine drug screens at hospital admission. Journal of Nervous and Mental Disease, 203, 33-36.

Hamilton, K.R., Mitchell, M.R., Wing, V.C., Balodis, I.M., Bickel, W.K., Fillmore, M., Lane, S.D., et al. (2015). Choice impulsivity: Definitions, measurement issues, and clinical implications. Personality Disorders: Theory, Research, and Treatment, 6, 182-198.

Hamilton, K.R., Littlefield, A.K., Anastasio, N.C., Cunningham, K.A., Fink, L.H., Wing, V.C., Mathias, C.W., Lane, S.D., et al. (2015). Rapid-response impulsivity: Definitions, measurement issues, and clinical implications. Personality Disorders: Theory, Research, and Treatment, 6, 168-181.

 Lijffit, M., Lane, S.D., Moeller, F.G., Steinberg, J.L., & Swann, A.C. (2015). Trait impulsivity and increased pre-attentional sensitivity to intense stimuli in Bipolar Disorder and controls. Journal of Psychiatric Research, 60, 73-80.

 Ma, L., Steinberg, J.L., Lane, S.D., Schmitz, J.M., Green, C.E., Narayana, P.A., Kramer, L.A., & Moeller, F.G. (2014). Striatal gating effect and prediction of treatment response in cocaine dependence. Drug and Alcohol Dependence, 140, e130-e131.

Anastasio, N.C., Liu, S., Maili, L., Swinford, S.E., Lane, S.D., Fox, R.G., Hamon, S.C., Nielsen, D.A., Cunningham, K.C., & Moeller, F.G. (2014). Variation within the serotonin (5-HT) 5-HT2C receptor system aligns with vulnerability to cocaine cue reactivity. Translational Psychiatry, 4, e369; DOI:10.1038/tp.2013.131.

Lane, S.D., Green, C.E., Schmitz, J.M., Rathnayaka, N., Fang, W.B., Ferré, S., & Moeller, F.G. (2014). Comparison of caffeine and d-amphetamine in cocaine-dependent subjects: differential outcomes on subjective and cardiovascular effects, reward learning, and salivary paraxanthine. Journal of Addiction Research and Therapy, 5, 2; DOI: 10.4172/2155-6105.1000176.

 Liu, S., Green, C.E., Lane, S.D., Kosten, T.R., Moeller, F.G., Nielsen, D.A., & Schmitz, J.M. (2014). The influence of dopamine beta-hydroxylase gene polymorphism rs1611115 on levodopa/ carbidopa treatment for cocaine dependence: A preliminary study. Pharmacogenetics and Genomics, 24, 370-373.

 Heads, A.M., Suchting, R., Green, C.E., Schmitz, J.M., Rathnayaka, N., & Lane, S.D. (2014). Family/Social problems as a greater barrier to treatment entry for women than men. Drug and Alcohol Dependence, 146, E139.

 Rathnayaka, N., Suchting, R., Lane, S.D., Schmitz, J.M., Green, C.E. (2014). Posterior predictive power: A decision-making tool for clinical trial design. Drug and Alcohol Dependence, 146, E76.

Kollins, S.H., Schoenfelder, E., English, J.S., Dew, R.E., McClernon, F.J. & Lane, S.D. (2013). Methylphenidate does not influence smoking-reinforced responding or attentional performance in adult smokers with and without Attention Deficit Hyperactivity Disorder (ADHD). Experimental and Clinical Psychopharmacology, 21, 375-384.

 Swann, A.C., Lijffit, M., Lane, S.D., Steinberg, J.L., Acas, M.D., Cox, B., & Moeller, F.G. (2013). Pre-attentive information processing and impulsivity in bipolar disorder. Journal of Psychiatric Research, 47, 1917-1924.

Alcorn, J.L, Gowin, J.L., Green, C.E., Swann, A.C., Moeller, F.G., & Lane, S.D. (2013). Psychopathy, aggression, and impulsivity in combined antisocial personality disorder and substance use disorder. Journal of Neuropsychiatry and Clinical Neurosciences, 25, 229-232.

Liu, S., Lane, S.D., Schmitz, J.M., Cunningham, K.A., John, V.P., & Moeller, F.G. (2013). Effects of escitalopram on attentional bias to cocaine-related stimuli and inhibitory control in cocaine-dependent subjects. Journal of Psychopharmacology, 27, 801-807.

Gowin,J.L., Green, C.E., Alcorn, J.L, Swann, A.C., Moeller, F.G., & Lane, S.D. (2013). The role of cortisol and psychopathy in the cycle of violence. Psychopharmacology, 227, 661-672.

Hasan, K.M., Ma, L., Kramer, L.A., Lane, S.D., Steinberg, J.L., Narayana, P.A., & Moeller, F.G. (2013). Diffusion tensor markers of the neurobiology of cocaine addiction. Proceedings of the International Society of Magnetic Resonance Medicine, 21, 3659.

Swann, A.C., Lijffijt M., Lane S.D., Cox B., Steinberg J.L., & Moeller F.G. (2013). Norepinephrine and impulsivity: effects of acute yohimbine. Psychopharmacology, 229, 83-94.

Kollins, S.H., English, J.S., Roley, M., Lane, S.D., & McClernon, F.J. (2013). Effects of smoking abstinence on smoking reinforcement, withdrawal, and cognition in adults with and without Attention Deficit Hyperactivity Disorder. Psychopharmacology, 227, 19-30.

 Swann, A.C., Lijffijt, M., Lane, S.D., Steinberg, J.L., Moeller, F.G. (2012). Antisocial Personality Disorder and borderline symptoms are differentially related to impulsivity and course of illness in bipolar disorder. Journal of Affective Disorders, 148, 384-390.

Green, C.E., Schmitz, J.L., Lindsay, J.A., Pedroza, C., Lane, S.D., Agnelli, R., Kjome, K.J., & Moeller, F.G. (2012). The influence of concurrent marijuana use on treatment of cocaine dependence: Application of an informative-priors Bayesian approach. Frontiers in Psychiatry: Addictive Disorders and Behavioral Dyscontrol, 3: 92. doi: 10.3389/fpsyt.2012.00092.

 Lane, S.D., Green, C.E., Steinberg, J.L., Ma, L., Schmitz, J.M., Rathnayaka, N., Bandak, S.D., Ferré, S., & Moeller, F.G. (2012). Cardiovascular and subjective effects of the novel adenosine A2A receptor antagonist SYN115 in cocaine dependent individuals. Journal of Addiction Research and Therapy. S1:009. doi:10.4172/2155-6105.

Liu, S. Lane, S.D., Schmitz, J.M., Green, C.E., Cunningham, K.A., & Moeller, F.G. (2012)

Increased intra-individual reaction time variability in cocaine-dependent subjects: role of cocaine-related cues. Addictive Behaviors, 37, 193-197.

Gowin, J.L., Green, C.E., Alcorn, J.L., Swann, A.C., Moeller, F.G., & Lane, S.D. (2012). Chronic tiagabine administration and aggressive responding in individuals with a history of substance abuse and antisocial behavior. Journal of Psychopharmacology, 26,982-993.

 Moeller, F.G., Steinberg, J.L., Lane, S.D., Kjome, K.L., Ma, L., Ferre, S., Schmitz, J.L., Green, C.E., Bandak, S.I., Renshaw, P.F., Kramer, L.A., & Narayana, P.A. (2012). Increased orbitofrontal brain activation after administration of a selective adenosine A2A antagonist in cocaine dependent subjects. Frontiers in Psychiatry 3, 44.

 Lijffijt M, Cox B, Acas MD, Lane SD, Moeller FG, Swann AC. (2012). Differential relationships of impulsivity or antisocial symptoms on P50, N100, or P200 auditory sensory gating in controls and Antisocial Personality Disorder. Journal of Psychiatric Research, 46, 743-750.

 Wittmann, M., Flagan, T., Lane, S.D., Wackermann, J., & Paulus, M.P. (2011). Neural substrates of time perception and impulsivity. Brain Research, 1406, 43-58.

Swann, A.C, Lijffijt, M. Lane, S.D., Kjome, K.J., Steinberg, J.L. & Moeller, F.G. (2011). Criminal conviction, impulsivity, and course of illness in bipolar disorder. Bipolar Disorders - An International Journal of Psychiatry and Neurosciences, 13, 173-181.

 Liu S, Lane SD, Schmitz JM, Waters AJ, Cunningham KA and Moeller FG. (2011). Relationship between attentional bias to cocaine-related stimuli and impulsivity in cocaine-dependent subjects. American Journal of Drug and Alcohol Abuse, 37, 117-122.

 Swann, A.C., Lijffijt, M., Lane, S.D., Steinberg, J.L., & Moeller, F.G. (2011). Interacting mechanisms of impulsivity in bipolar disorder and antisocial personality disorder. Journal of Psychiatry Research. Journal of Psychiatry Research, 45, 1477-1482.

 Lane, S.D., Kjome, K.J., & Moeller, F.G. (2011). Neuropsychiatry of aggression. Psychiatric Clinics of North America, 29, 49-64.

Lane, S.D., Ma, L., Steinberg, J.L., Hasan, K.M., Kramer, L.A., Zuninga, E.A., Narayana, P.A., & Moeller, F.G. (2010). Diffusion tensor imaging and decision making in cocaine dependence. PLoS ONE, 5(7), e11591.

 Kjome, K.L., Lane, S.D., Schmitz, J.M., Green, C.E., Ma, L., Prasla, I., Swann, A.C., & Moeller, F.G. (2010). Relationship between impulsivity and decision-making in cocaine dependence. Psychiatry Research, 178, 299-304.

 Gowin, J.L., Swann, A.C., & Moeller, F.G, & Lane, S.D. (2010). Zolmitriptan and human aggression: interaction with alcohol. Psychopharmacology, 210, 521-531.

 Wittmann, M., Lovero, K.L., Lane, S.D., & Paulus, M.P. (2010). Now or later: Striatum and insula activation to immediate versus delayed rewards. Journal of Neuroscience, Psychology, and Economics, 3, 15-26.

 Swann, A.C., Lijffijt, M., Lane, S.D., Steinberg, J.L., & Moeller, F.G. (2010). Interactions between bipolar disorder and antisocial personality disorder in trait impulsivity and severity of illness. Acta Psychiatrica Scandinavia. PMID: 20064125.

 Lane, S.D., & Gowin, J.L. (2009). GABAergic modulation of human social interaction in a prisoner’s dilemma model via acute administration of alprazolam. Behavioural Pharmacology, 20, 657-661.

Ma, L., Hasan, K.M., Steinberg, J.L., Narayana, P.A., Lane, S.D., Zuninga, E.A., Kramer, L.A., & Moeller, F.G. (2009). Diffusion tensor imaging in cocaine dependence: Regional effects of cocaine on corpus callosum and effect of cocaine administration route. Drug and Alcohol Dependence, 104, 262-267.

 Lijffijt, M., Moeller, F.G, Boutros, N.N., Burroughs, S., Steinberg, J.L., Lane, S.D., & Swann, A.C. (2009). A pilot study revealing impaired P50 gating in childhood-onset, but not adulthood-onset antisocial behavior. Journal of Neuropsychiatry and Clinical Neurosciences, 21, 1-4.

 Lane, S.D., Gowin, J.L., Green, C.E., Steinberg, J.L., Moeller, F.G., & Cherek, D.R. (2009). Acute topiramate differentially effects human aggressive responding at low vs. moderate doses in subjects with histories of substance abuse and antisocial behavior*.* Pharmacology, Biochemistry, & Behavior, 92, 357-362.

 Lijffijt, M., Moeller, F.G., Boutros, N.N., Burroughs, S., Lane, S.D., Steinberg, J.L., & Swann, A.C. (2009). The role of age, gender, education, and intelligence in P50, N100, and P200 auditory sensory gating. Journal of Psychophysiology, 23, 52-62.

 Lijffijt, M., Lane, S.D., Meier, S.L., Boutros, N.N., Burroughs, S., Steinberg, J.L., Moeller, F.G., & Swann, A.C. (2009). P50, N100, and P200 sensory gating: Relationships with behavioral inhibition, attention and working memory. Psychophysiology, 46, 1-10.

 Swann, A.C., Lijffijt, M., Lane, S.D., Steinberg, J.L., Moeller, F.G. (2009). Trait impulsivity and response inhibition in antisocial personality disorder. Journal of Psychiatric Research, 43, 1057-1063.

 Schmitz, J.M., Mooney, M.E., Green, C.E. Lane, S.D., Steinberg, J.L., Swann, A.C., & Moeller, F.G. (2009). Baseline neurocognitive profiles differentiate abstainers and non-abstainers in a cocaine clinical trial. Journal of Addictive Diseases, 28, 250-257.

 Swann A.C., Lijffijt M., Lane S.D., Steinberg J.L., & Moeller F.G. (2009). Increased trait-like impulsivity and course of illness in bipolar disorder. Bipolar Disorders, 11, 280-288.

Lijffijt, M., Moeller, F.G., Boutros, N.N., Steinberg, J.L., Meier, S.L., Lane, S.D., & Swann, A.C. (2009). Diminished P50, N100, and P200 auditory sensory gating in bipolar I disorder. Psychiatry Research, 167, 191-201.

Green, C.E., Moeller, F.G., Schmitz, J.M., Lucke, J. F., Lane, S.D., Swann, A.C., Lasky, R.E., & Carbonari, J.P. (2009). Evaluation of heterogeneity in pharmacotherapy trials for drug dependence: A Bayesian Approach. American Journal of Drug and Alcohol Abuse, 35, 95-102.

 Swann A.C., Lijffijt M., Lane S.D., Steinberg J.L., & Moeller F.G. (2009). Severity of bipolar disorder is associated with impairment of response inhibition. Journal of Affective Disorders, 116, 30-36.

 Lane, S.D., Cherek, D.R., & Nouvion, S.O. (2008). Modulation of human risky decision making by flunitrazepam. Psychopharmacology, 196, 177-188.

 Lieving, L.V., Cherek, D.R., Lane, S.D., Nouvion, S.O. & Tcheremissine, O.V. (2008). Effects of acute tiagabine administration on aggressive responses of adult male parolees. Journal of Psychopharmacology, 22, 144-152.

 Moeller, F.G., Steinberg, J.L., Hasan, K.M., Lane, S.D., Kramer, L.A., Buzby, M., Swann, A.C., Narayana, P.A. (2007). Diffusion tensor imaging in MDMA users and controls: Association with decision making. American Journal of Drug and Alcohol Abuse, 33, 777-789.

 Lane, S.D., Moeller, F.G., Steinberg, J.L., Buzby, M., & Kosten, T.R. (2007). Performance of cocaine dependent individuals and controls on a response inhibition task with varying levels of difficulty. American Journal of Drug and Alcohol Abuse, 33, 717-726.

 Nouvion, S.O., Cherek, D.R., Lane, S.D., Tcheremissine, O.V., & Lieving, L.M. (2007) Human proactive aggression: Association with personality pathology and psychopathy. Aggressive Behavior, 33, 552-562.

 Lane, S.D., Cherek, D.R., Steinberg, J.L. & Sharon, J.L. (2007). Response perseveration and adaptation in heavy marijuana-smoking adolescents. Addictive Behaviors, 32, 977-990.

 Kelly, T.H., Robbins, G., Martin, C.A., Fillmore, M.T., Lane, S.D., Harrington, N.G., & Rush, C.R. (2006). Individual differences in drug abuse vulnerability: d-Amphetamine and sensation-seeking status. Psychopharmacology, 189, 17-25.

 Lane, S.D., Yechiam, E., & Busemeyer, J.R. (2006). Application of a computational decision model to examine acute drug effects on human risk taking. Experimental and Clinical Psychopharmacology, 14, 254-264.

 Pietras, C.J., Cherek, D.R., Lane, S.D., & Tcheremissine, O.V. (2006). Risk reduction and resource pooling on a cooperation task. The Psychological Record, 56, 387-410.

 Lieving, L.V., Lane, S.D., Tcheremissine, O.V., Cherek, D.R., & Nouvion, S.O. (2006). Effects of marijuana on the direction and variability of temporal discrimination in humans. Behavioural Pharmacology, 17, 173-183.

 Lieving, L.V., Lane, S.D., Tcheremissine, O.V. & Cherek, D.R. (2006). Effects of delays on human performance on a temporal discrimination procedure: evidence of a choose-short effect. Behavioural Processes, 71, 135-143.

 Tcheremissine, O.V. Lane, S.D., Lieving, L.M., Rhoades, H.M., Nouvion, S.O., & Cherek, D.R. (2005). Individual differences in aggressive responding to intravenous flumazenil administration in adult male parolees. Journal of Psychopharmacology, 19, 640-647.

 Pietras, C.J., Lieving, L.M., Cherek, D.R., Lane, S.D., Tcheremissine, O.V., & Nouvion, S.O. (2005). Acute effects of lorazepam on laboratory measures of aggressive and escape responses of adult male parolees. Behavioural Pharmacology, 16, 243-251.

 Lane, S.D., Tcheremissine, O.V., Lieving, L.M., Nouvion, S.O., & Cherek, D.R. (2005). Acute effects of alprazolam on risky decision making in humans. Psychopharmacology, 30, 364-373.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Steinberg, J.L. (2005). Performance of heavy marijuana smoking adolescents on a laboratory measure of motivation. Addictive Behaviors, 30, 815-828.

 Lane, S.D., Cherek, D.R., Tcheremissine, O.V., Lieving, L.M. & Pietras, C.J. (2005). Acute marijuana effects on human risk taking. Neuropsychopharmacology, 30, 800-809.

 Lane, S.D., Cherek, D.R., Tcheremissine, O.V., & Lieving, L.M. (2005). Marijuana effects on human forgetting functions. Journal of the Experimental Analysis of Behavior, 83, 67-83.

 Matthews, S.C., Simmons, A.N., Lane, S.D., & Paulus, M.P. (2004). Selective activation of the nucleus accumbens during risk-taking decision-making. NeuroReport, 15, 2131-2127.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. (2004).  Acute marijuana effects on response-reinforcer relations under multiple variable-interval schedules. Behavioural Pharmacology, 15, 305-309.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. (2004). Alcohol effects on human risk taking. Psychopharmacology, 172, 68-77.

 Tcheremissine O.V., Cherek D.R., & Lane S.D. (2004). Psychopharmacology of conduct disorder: Current progress and future directions. Expert Opinion in Pharmacotherapy, 5, 1109-1116.

 Cherek, D.R., Tcheremissine, O.V., Lane, S.D., & Pietras, C.J. (2004). Acute effects of Gabapentin on laboratory measures of aggressive and escape responses of adult parolees with and without a history of conduct disorder. Psychopharmacology, 171, 405-412.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. (2003). Measurement of delay discounting using trial-by-trial consequences. Behavioural Processes, 64, 287-303.

 Pietras, C.J., Cherek, D.R., Lane, S.D., Tcheremissine, O., & Steinberg, J.L. (2003). Effects of methylphenidate on impulsive choice in adult humans. Psychopharmacology, 170, 390-398.

 Tcheremissine, O.V., Lane, S.D., Cherek, D.R., & Pietras, C.J. (2003). Impulsiveness and other personality dimensions in substance use disorders and conduct disorder. Addictive Disorders and Their Treatments, 2, 1-7.

 Lane, S.D., Cherek, D.R., Pietras, C.J., Rhoades, H.R. & Tcheremissine, O.V. (2003). Relationships among laboratory and psychometric measures of impulsivity: Implications in substance abuse and dependence. Addictive Disorders and Their Treatments, 2, 33-40.

 Cherek, D.R., Lane, S.D., & Pietras, C.J. (2002). Effects of baclofen, a γ-aminobutyric acid-B agonist, on laboratory measures of aggressive and escape responses of adult males with and without a history of conduct disorder. Psychopharmacology, 164, 160-167.

 Lane, S.D. & Cherek, D.R. (2002). Marijuana effects on sensitivity to reinforcement in humans. Neuropsychopharmacology, 26, 520-529.

 Cherek, D.R., Lane, S.D., & Dougherty, D.M. (2002). Possible amotivational effects following marijuana smoking under laboratory conditions. Experimental and Clinical Psychopharmacology, 10, 26-38.

 Cherek, D.R., Lane, S.D., Pietras, C.J., & Steinberg, J.L. (2002). Effects of Paroxetine (Paxil) on aggressive and impulsive behavior on parolees with and without conduct disorder. Psychopharmacology, 159, 266-274.

 Lane, S.D. & Cherek, D.R. (2001). Risk-taking by adolescents with maladaptive behavior histories. Experimental and Clinical Psychopharmacology, 9, 74-82.

 Cherek, D.R. & Lane, S.D. (2001). Acute effects of d-fenfluramine on simultaneous measures of aggressive, escape, and impulsive responses in adult males with and without a history of conduct disorder. Psychopharmacology, 157, 221-227.

 Lane, S.D. & Cherek, D.R. (2000). Analysis of risk-taking in adults with high risk behavioral

histories. Drug and Alcohol Dependence, 60, 179-187.

 Cherek, D.R. & Lane, S.D. (2000). Fenfluramine effects impulsivity in a sample of adults with and without a history of conduct disorder. Psychopharmacology, 152, 149-156.

 Cherek, D.R., Lane, S.D., Dougherty, D.M., Moeller, F.G. & White, S. (2000). Laboratory

measures of aggression among female parolees with violent or nonviolent histories. Aggressive Behavior, 26, 291-307.

 Lane, S.D. & Cherek, D.R. (2000). Risk aversion in human subjects under conditions of

probabilistic reward. The Psychological Record, 50, 221-234.

 Cherek, D.R. & Lane, S.D. (1999). Effects of *d,l*-fenfluramine on aggressive and impulsive

responding in adult males with a history of conduct disorder. Psychopharmacology, 146, 473-481.

 Lane, S.D. & Cherek, D.R. (1999). Decision under conditions of risk: Exploring some parameters and quantitative models. Experimental Analysis of Human Behavior Bulletin, 17, 15-19.

 Huang, D.B., Cherek, D.R., & Lane, S.D. (1999). Laboratory measurement of aggression in

high-school athletes: Provocation in a non-sporting context. Psychological Reports, 85, 1251-1262.

 Cherek, D.R., & Lane, S.D. (1999). Laboratory and psychometric measurement of impulsivity among violent and nonviolent female parolees. Biological Psychiatry, 46, 273-280.

 Cherek, D.R., Moeller, F.G., Khan-Dawood, F., Swann, A., & Lane, S.D. (1999). Prolactin

response to buspirone was reduced in violent compared to nonviolent parolees. Psychopharmacology, 142, 144-148.

 Moeller, F.G., Dougherty, D.M., Lane, S.D., Steinberg, J.L. & Cherek, D.R. (1998). Antisocial Personality Disorder and alcohol induced aggression. Alcoholism: Clinical & Experimental Research, 22, 1898-1902.

 Lane, S.D., Cherek, D.R., Dougherty, D.M. & Moeller, F.G. (1998). Laboratory measurement

of adaptive behavior change in humans with a history of substance dependence. Drug and Alcohol Dependence, 51, 239-252.

 Lane, S.D., & Critchfield, T.S. (1998). Classification of vowels and consonants by

individuals with moderate mental retardation: Development of arbitrary relations via training with complex stimuli. Journal of Applied Behavior Analysis, 31, 21-41.

 Dougherty, D.M., Cherek, D.R., & Lane, S.D. (1998). Aggressive responding in the

laboratory maintained by the initiation of a provocation-free interval. The Psychological Record, 48, 591-600.

 Lane, S.D., Clow, J., Innis, A., & Critchfield, T.S. (1998). Generalization of cross-modal

stimulus equivalence classes: Operant processes as components in human category formation. Journal of Experimental Analysis of Behavior, 70, 267-279.

 Lane, S.D. & Critchfield, T.S. (1998). Increasing the generativity of identity-based procedures for establishing arbitrary conditional relations. The Psychological Record, 48, 457-479.

 Lane, S.D., Innis, A., Clow, J., & Critchfield, T.S. (1998). Preliminary evidence for cross-

model generalized equivalence classes. Mexican Journal of Behavior Analysis, 24, 311-337.

 Moeller, F.G., Allen, T.A., Cherek, D.R., Dougherty, D.M., Lane, S.D., & Swann, A.C. (1998). Ipsapirone neuroendocrine challenge: Relationship to substance abuse and aggressive behavior. Psychiatry Research, 81, 31-38.

 Innis, A., Lane, S.D., Miller, E. & Critchfield, T.S. (1998). Effects of a “none of the above”

response option in emergent stimulus relations. Journal of the Experimental Analysis of Behavior, 70, 87-102.

 Kollins, S.H., Lane, S.D., & Shapiro, S. (1997). Experimental analysis of childhood psychopathology: A laboratory analysis of the behavior of children diagnosed with Attention-deficit Hyperactivity Disorder. The Psychological Record, 47, 25-44.

 Lane, S.D. & Critchfield, T.S. (1996). Verbal self-reports of emergent relations in a stimulus

equivalence procedure. Journal of the Experimental Analysis of Behavior, 65, 355-375.

1. Book Chapters

Wardle, M.C., Yoon, J.H., Vujanovic, A.A., Weaver, M.F., Lane, S.D. & Schmitz, J.M. (in press). Behavioral mechanisms in addiction. In A.C. Swann & F.G. Moeller (Eds). Neurobiology of Addictions. Oxford University Press, Oxford, UK.

 Cherek, D.R., Tcheremissine, O.V., & Lane, S.D. (2006). Psychopharmacology of aggression. In R.J. Nelson (Ed.). Biology of Aggression (pp 424-446). Oxford University Press, Oxford, UK.

 Cherek, D.R., Pietras, C.J., & Lane, S.D. (2003). Laboratory Measures: Point Subtraction

Aggression Paradigm (PSAP). In E. Coccaro (Ed.), Aggression: Assessment and Treatment (pp 215-228). New York: Marcel Dekker.

 Cherek, D.R. & Lane, S.D. (2001). Effects of 5–HT and GABA agents on aggressive

responding of adult males with a history of childhood conduct disorder. In M. Martinez (Ed.),

Prevention and control of aggression and the impact on its victims. (PP. 17-26). New York:

Kluwer Academic /Plenum.

 Lane, S.D. & Cherek, D.R. (2000). Biological and behavioral investigation of aggression and impulsivity. In D.H. Fishbein (Ed.), The science, treatment and prevention of antisocial behavior: applications to the criminal justice system. (pp. 5.1-5.21). Kingston, NJ: Civic Research Institute.

*Manuscripts under review*

Lijffit, M., Lane, S.D., & Swann, A.C. Decision making in Antisocial Personality Disorder relates to gain/loss-frequency sensitivity rather than outcome.

1. Other Professional Communications

***Invited Presentations***

 Lane, S.D. Stress, Neurotoxicity, and Cocaine. University of Texas Medical Branch. Galveston, TX. November, 2015.

Lane, S.D. Attentional Bias to Drug Cues: Role in Substance Abuse and Relapse. University of Kentucky Medical School. Lexington, KY: April, 2014.

Lane, S.D. Cue Reactivity and Attentional Bias in Substance Use Disorders. Duke University Medical School. Durham, NC: January 2013.

Lane, S.D. The Role of Cue Reactivity and Attentional Bias in Addiction. UTHealth Psychiatry Update. Houston, TX: February, 2013.

 Lane, S.D. Neuropsychiatry of Impulsivity and Aggression in Drug-Dependent Humans. Meeting of the Society for Social Neuroscience. New Orleans, LA: October, 2012.

 Lane, S.D. The Impact of Acute and Chronic Effects of Abused Drugs on Risky Decision Making. Meeting of the American Psychiatric Association. NIDA-sponsored symposium, Decision-Making and Addictions: Neurobiology and Treatment Implications. Honolulu, HI: May 2011.

 Lane, S.D. Human Decision Making: Neurobiology of Acute and Chronic Effects of Abused Drugs. Texas A&M University, College Station, TX: October, 2010.

 Lane, S.D. Drugs of Abuse and Risky Decision Making. Meeting of the Association for Psychological Science. APS-sponsored symposium, Risky Behavior: A Guide to Living on the Edge. Boston, MA: May 2010.

 Lane, S.D. Human Aggression: Psychiatry, Psychopharmacology, and Neuroscience. Duke University. Durham, NC: April 2008.

Lane, S.D. Human Aggression: Psychiatry, Psychopathology, and Psychopharmacology. Carolina College of Health Sciences / Carolina Health Systems. Charlotte, NC: April 2008.

 Lane, S.D. A Blunt Report: Marijuana Effects on Human Behavioral Processes. Southeast Association for Behavior Analysis. Athens, GA: October, 2007.

 Lane, S.D. Factors Influencing Risky Decision Making in Humans. Fellows address, APA annual convention. San Francisco, CA: August, 2007.

 Lane, S.D. Biobehavioral Mechanisms in Risky and Social Decision Processes. College of Medicine, University of Arkansas for Medical Sciences. Little Rock, AR: February, 2006.

 Lane, S.D. GABAergic modulation of risky/impulsive decision making. Meeting of the International Society for Research on Impulsivity. Washington, DC: November, 2005.

 Lane, S.D. Some effects of marijuana on basic behavioral processes in humans. CUNY / Queens College. New York, NY: December, 2004.

 Lane, S.D. Psychopharmacology of risky decision making in humans: Effects of GABA modulators. NIDA-sponsored symposium: Drugs of Abuse and Decision Making. APA annual convention, Honolulu, HI: July, 2004.

 Lane, S.D. Human risk-taking: Psychopathology and Psychopharmacology.

University of Colorado Health Science Center. Denver, CO: August, 2002.

Lane, S.D. Human risk-taking: Effects of behavioral history and disinhibitory drugs. Meeting of the American Psychological Association. Wyeth-Ayerst Young Psychopharmacologist Award Presentation. San Francisco, CA: August, 2001.

Lane, S.D. Psychopharmacology and Maladaptive Behavior. Distinguished Alumni Presentation, Auburn University Research Symposium. Auburn, AL: November, 2002.

***General Conference Presentations***

 Gan G., Preston-Campbell R.N., Steinberg J.L., Lane S.D., Maloney T., Parvaz M.A., Moeller S.J., Goldstein R.Z., Alia-Klein N. Reward wins – increased activation of the mesocorticostriatal salience network in human reactive aggression. Society for Neuroscience Annual Meeting. Chicago, IL: October 2015.

 Yoon, J.H., Vujanovic, A.A., Suchting, R., Green, C.E., Schmitz, J.M., Lane. S.D.

Eye tracking measures of attentional bias to individually-calibrated marijuana cues. College on Problems of Drug Dependence. Phoenix, AZ: June, 2015.

 N. S. Tannu, J. Schmitz , S. D. Lane , C. Green, K.A. Cunningham, R. Suchting, J. Herrera, P. A. Narayana. Proteomics analyses: Peroxisome proliferator-activated receptor gamma agonist for chronic cocaine administration in rodent. College on Problems of Drug Dependence. Phoenix, AZ: June, 2015.

 A.E. Price, H. Neelakantan, L. Ma, J.L. Steinberg, S.D. Lane, J.M. Bjork, P.A. Narayana, T. Kosten, A. Bechara, N.C. Anastasio, F. Moeller, K.A. Cunningham. Dynamic causal modeling in humans offers a novel approach to delineate prefrontal-striatal serotonergic drivers of impulsivity in rats. College on Problems of Drug Dependence. Phoenix, AZ: June, 2015.

 L. Ma, J.L. Steinberg, K.A. Cunningham, S.D. Lane, J.M. Bjork, P.A. Narayana, T. Kosten, A. Bechara, F. Moeller. Inhibitory control: A brain connectivity study comparing cocaine-dependent subjects and controls. College on Problems of Drug Dependence. Phoenix, AZ: June, 2015.

 Gan G., Preston-Campbell R.N., Steinberg J.L., Lane S.D., Maloney T., Parvaz M.A., Moeller S.J., Goldstein R.Z., Alia-Klein N. Reward versus retaliation and the hyperactive mesocorticostriatal salience network. Friedman Brain Institute Symposium. New York, NY: May, 2015.

Tannu, N.S., Schmitz, J.M., Lane, S.D., Hasan, K.M., Narayana, P.A. Proteomics and DTI tractography analyses for evaluation of PPAR-gamma agonist treatment for cocaine dependence. Society of Biological Psychiatry Meeting. New York, NY: May, 2014.

 Kose, S., Steinberg, J.L., Moeller, F.G., Gowin, J.L., Zuniga, E., Kamdar Z.N., Schmitz, J.M. & Lane, S.D. Neural Correlates of Impulsive Aggressive Behavior in Alcohol Dependent Subjects. American Psychiatric Association Meeting. New York, NY: May, 2014.

 Alcorn, J.L., Dias, N.R., Schmitz, J.M., & Lane, S.D. Oxytocin effects on human aggressive responding in males. International Society for Research on Aggression. Atlanta, GA: July, 2014.

Dias, N.R., Red, S. Alcorn, J.L., Sereno, A.B., Schmitz, J.M., & Lane, S.D. Eye-tracking measures of attentional bias in cocaine-dependent subjects. Cognitive Neuroscience Society. Boston, MA: April, 2014.

Rathnayaka, N., Suchting, R., Lane, SD., Schmitz, J., Green, C, Posterior predictive power: a decision-making tool for clinical trial design. College on Problems of Drug Dependence. San Juan, Puerto Rico: June, 2014

 Lane, S.D. Behavioral effects of buspirone in cocaine dependence. NIDA meeting of the Centers of Excellence in Substance Abuse and Dependence. Bethesda, MD: September, 2013.

Alcorn, J.L., Dias, N., Moeller, F.G., & Lane, S.D. A preliminary analysis of aggressive behavior under oxytocin dose. College on Problems of Drug Dependence. San Diego, CA: June, 2013.

Dias, N., Schmitz, J.M., Rathnayaka, N., Moeller, F.G., & Lane, S.D. Eye-tracking measures of attentional bias in cocaine-dependent subjects. College on Problems of Drug Dependence. San Diego, CA: June, 2013.

Schmitz, J.M., Lane, S.D., Moeller, F.G., Rathnayaka, N., & Green, C.E. Drop-the-loser: an innovative design for a clinical trial of citalopram for cocaine dependence. College on Problems of Drug Dependence. San Diego, CA: June, 2013.

Lui, S., Nielsen, D.A., Lane, S.D., Schmitz, J.M., Baladandayuthapani, K., Cunningham, K.C., & Moeller, F.G. Cocaine dependence moderates the relationship between serotonin transporter polymorphisms and measures of impulsivity. College on Problems of Drug Dependence. San Diego, CA: June, 2013.

Red, S. Dias, N.R., Lane, S.D., & Sereno, A.B. Reflexive and voluntary eye movements in cocaine using subjects. Gordon Research Conferences. Easton, MA: July 2013.

Ma, L., Steinberg, J.L., Lane, S.D., Schmitz, J.M., Green, C.E., Narayana, P.A., Kramer, L.A., & Moeller, F.G. Striatal gating effect and prediction of treatment response in cocaine dependence. College on Problems of Drug Dependence. San Diego, CA: June, 2013.

Alcorn, J.A., Dias, N., Moeller, F.G., & Lane, S.D. Preliminary analysis of aggressive behavior following oxytocin dosing. Society for Cognitive Neuroscience. San Francisco, CA: April, 2013.

Hasan KM, MA L, Kramer, LA, Lane SD, Steinberg JL, Narayana PA, & Moeller FG. Markers of the neurobiology of cocaine addiction. International Society for Magnetic Resonance in Medicine. Salt Lake City, UT: April, 2013.

Dias, N., Lane, S.D., Schmitz, J.S., Green, C.E., & Moeller, F.G. Neurocognitive effects of citalopram in cocaine dependent subjects. Society for Neuroscience. New Orleans, LA: October, 2012.

Lane, S.D., Moeller, F.G., Steinberg, J.L., Ma, L., Kosten, T.R., & Narayana, P.A. Effects of d-amphetamine on brain activation of cocaine-dependent subjects during a go/no-go task of inhibitory control. College on Problems of Drug Dependence. Palm Springs, FL: June, 2012.

Liu, S., Lane, S.D., Schmitz, J.M., Cunningham, K.A., & Moeller, F.G. Effects of escitalopram on attential bias to cocaine cues in cocaine dependent subjects. College on Problems of Drug Dependence. Palm Springs, FL: June, 2012.

 Moeller, F.G., Steinberg, J.L., Lane, S.D., Ma, L., Kramer, L.A., Narayana, P.A., & Kosten, T.R. Effect of Dopamine Enhancing Medications on Go/No-Go fMRI Brain Activation in Cocaine Dependence. Society of Biological Psychiatry. Philadelphia, PA: May, 2012.

 Moeller, F.G., Steinberg, J.L., Lane, S.D., Ma, L., Kosten, T.R., & Narayana, P.A. Pharmacological MRI of D-amphetamine: Effects on a Go-No/Go Task in Cocaine Dependent Subjects. American College of Neuropsychopharmacology. Waikaloa Beach, HI: December, 2011.

 Gowin, J.L., Green, C.E., Moeller, F.G., Lane, S.D. Effects of child abuse on adult aggression: cortisol as mechanism. Society for Neuroscience. Washington, DC: November, 2011.

Robinson, C.D., Lane, S.D., Moeller, F.G., Schmitz, J.L., Waters, A.J. Individuals with high attentional bias for cocaine cues and blunted motivation for non-drug rewards may be at risk for long term cocaine use. College on Problems of Drug Dependence. Hollywood, FL: June, 2011.

Liu, S., Lane, S.D., Schmitz, J.M., Cunningham, K.A., Moeller, F.G. Relationship between extinction of attentional bias to cocaine-related stimuli and the severity of cocaine dependence. College on Problems of Drug Dependence. Hollywood, FL: June, 2011.

Green, C.E., Schmitz, J.M., Linsay, J., Pedroza, C., Lane, S.D., Kjome, K.M., Moeller, F.G. Heterogeneity in treatment response for cocaine dependence: A Bayesian sub-group analysis incorporating historical data. College on Problems of Drug Dependence. Hollywood, FL: June, 2011.

Gowin, J.L., Moeller, F.G., Swann, A.C., & Lane, S.D. The effects of childhood abuse on adult aggression: Cortisol as a mechanism. Behavior, Biology, and Chemistry: Translational Research in Addiction. San Antonio, TX. March, 2011.

 Alcorn, J.L., Lane, S.D., Moeller, F.G, & Swann, A.C. Behavioral and neurophysiological predictors of psychopathology and aggression. Behavior, Biology, and Chemistry: Translational Research in Addiction. San Antonio, TX. March, 2011.

Kjome, K.L., Moeller, F.G., Steinberg, J.L., Bandak,S.D., Lane, S.D., Ma, L., Rathnayaka, N., Kramer, L.A., Narayana, P.A. Physiological and Behavioral effects of SYN-115, a novel adenosine2A antagonist in cocaine dependent subjects. American College of Neuropsychopharmacology. December 2010: Miami Beach, FL.

Lane, S.D., Steinberg, J.L., Ma, L., Rathnayaka, N., Zuniga, E., Moeller, F.G. Neural correlates of human aggression in alcohol-dependent and control subjects. American College of Neuropsychopharmacology. December 2010: Miami Beach, FL.

Gowin, J.L., Swann, A.C., Moeller, F.G., Lane, S.D. Zolmitriptan, a 5-HT1B/D agonist, reduces human aggression. Society for Neuroscience. November 2010: San Diego, CA.

 Wittmann, M., Simmons, A.N., Flagan, T., Lane, S.D., Wackermann, J., Paulus, M.P.Time and impulsivity: Neural substrates of time perception and impulsivity. Society for Neuroscience. November 2010: San Diego, CA.

 S. Liu, S.D. Lane, J.M. Schmitz, C.E. Green, K.A. Cunningham, F.G. Moeller. Increased Intra-Individual Reaction Time Variability in Cocaine-Dependent Subjects on Performance of a Cocaine-Word Stroop Task. Society for Neuroscience. November 2010: San Diego, CA.

 Wittmann, M., Simmons, A.N., Flagan, T., Lane, S.D., Wackermann, J., Paulus, M.P.Neural substrates of duration reproduction and impulsivity. International Organization of Psychophysiology. July 2010: Budapest, Hungary.

 S. Liu, S.D. Lane, J.M. Schmitz, A.J. Waters, K.A. Cunningham, F.G. Moeller. Extinction of attentional bias to cocaine-related stimuli: Difference between non-treatment seeking and treatment-seeking cocaine-dependent subjects. College on Problems of Drug Dependence. Scottsdale, AZ: June, 2010.

 K. L. Kjome, J. L. Steinberg, T. Kosten, S. D. Lane, A.Waters, L. Ma, L. A. Kramer,

P. A. Narayana, F. G. Moeller. Effect of d-amphetamine on fMRI during cue-reactivity task in cocaine-dependent subjects compared to controls. College on Problems of Drug Dependence. Scottsdale, AZ: June, 2010.

Robinson, C., Lane, S.D., Moeller, F.G., Schmitz, J.L., & Waters, A.J. Moderators of associations between attentional bias to cocaine cues and cocaine use. NIDA Blending Conference, Albuquerque, NM. April 2010.

Lijffijt, M., Lane, S.D., Cox, B., Moeller, F.G., Steinberg, J.L., Kjome, K.L., Swann, A.C. Relationships of P50, N100, and P200 auditory sensory gating with severity and clinical characteristics of subjects with extreme antisocial behavior. American College of Neuropsychopharmacology. Hollywood, FL: Dec, 2009.

Lane, S.D., Steinberg, J.L., Rathnayaka, N., Cherek, D.R., Kramer, L.A., Narayana, P.A.,

Moeller, F.G.Neural correlates of aggressive responding in alcohol-dependent and control subjects. College on Problems of Drug Dependence. Reno, NV: June, 2009.

 Cox, B., Lijffijt, M., Lane, S.D., Moeller, F.G., Steinberg, J.L., Swann, A.C. Impaired decision-making in antisocial personality disorder with past poly-substance abuse. Meeting of the International Society for Research on Impulsivity. San Francisco, CA: June, 2009.

 Lijffijt, M., Cox, B., Moeller, F.G., Lane, S.D., Steinberg, J.L., Swann, A.C. Sensory gating and severity of course of illness in antisocial personality disorder. Meeting of the International Society for Research on Impulsivity. San Francisco, CA: June, 2009.

Ma, L., Hasan, K.M., Steinberg, J.L., Narayana, P.A., Lane, S.D., Zuniga, E.A., Kramer, L.A., Moeller, F.G. Alterations in microstructure of the isthmus in midsagittal corpus callosum is associated with duration of cocaine use in the cocaine-dependent subjects. College on Problems of Drug Dependence. Reno, NV: June, 2009.

Gowin, J.L., Lane, S.D., Moeller, F.G., Steinberg, J.L., Swann, A.C. Zolmitriptan and its relationship to the aggression-heightening effects of alcohol. College on Problems of Drug Dependence. Reno, NV: June, 2009.

Liu, S., Moeller, F.G., Lane, S.D., Cunningham, K.A. The relationship between the responsivity to cocaine-related stimuli and other cognitive performance. College on Problems of Drug Dependence. Reno, NV: June, 2009.

 Kjome, K.L., Lane, S.D., Schmitz, J.M., Green, C.E., Ma, L., Prasla, I., Swann, A.C., Moeller, F.G. Relationship of impulsivity and decision-making measures in cocaine dependence. College on Problems of Drug Dependence. Reno, NV: June, 2009.

 Moeller, F.G., Steinberg, J.L. , Lane, S.D., Kramer, L.A., Narayana, P.A. and Kosten, T.R. fMRI of response inhibition in cocaine-dependent subjects and controls: Effect of amphetamine. College on Problems of Drug Dependence. San Juan, PR: June, 2008.

 Lane, S.D., Moeller, F.G., Gowin, J.L., Steinberg, J.L.and Cherek, D.R. Acute effects of topiramate on aggressive responding in individuals on parole/probation with a history of substance use disorders. College on Problems of Drug Dependence San Juan, PR: June, 2008.

Gowin, J.L. & Lane, S.D. Acute effects of alprazolam on social interaction in a game theory paradigm. Cognitive Neuroscience Society. San Francisco, CA: April, 2007.

Gowin, J.L. & Lane, S.D. Modulation of human social interaction by alprazolam. Texas Behavioral Pharmacologists Working Group. San Antonio, TX: Oct, 2007.

Liffijt, M., Moeller, F.G., Boutros, N.N., Steinberg, J.L., Lane, S.D., & Swann, A.C. P50 gating in ASPD. International Society for Research on Impulsivity. New York, NY: Oct, 2007.

1. Lane, S.D., Moeller, F.G., Steinberg, J.L, Buzby, M., Narayana, P.A., Kramer, L.A., & Kosten, T.R. Response inhibition in cocaine-dependent individuals and controls under a Go/No-Go task with different levels of difficulty. College on Problems of Drug Dependence. Quebec, Canada: June, 2007.
2. Moukaddam, N., Moeller, F.G., Schmitz, J.M., Lane, S.D., Steinberg, J.L. & Swann, A.C. Preliminary study on the relationship between 5-HTR2A-102C/T, Iowa Gambling Task scores, and abstinence in cocaine users treated with citalopram and contingency management. College on Problems of Drug Dependence. June, 2007: Quebec, Canada.

 Mooney, M.E., Green, C.E., Schmitz, J.M., Steinberg, J.L., Swann, A.C., Lane, S.D., & Moeller, F.G. Impulsivity and decision making: Relationship to treatment outcome in cocaine dependence. College on Problems of Drug Dependence. June, 2007: Quebec, Canada

 Moeller, F.G., Steinberg, J.L., Hasan, K.M., Lane, S.D., Kramer, L.A., Buzby, M., Swann, A.C., & Narayana, P.A. Diffusion Tensor Imaging in MDMA Users and Controls: Association with Iowa Gambling Task Performance. College on Problems of Drug Dependence. June, 2007: Quebec, Canada.

1. Lane, S.D., Cherek, D.R., Tcheremissine, O.V., Lieving, L.V., & Nouvion, S.O. Effects of flunitrazepam (Rohypnol) on humans’ risky decision making. College on Problems of Drug Dependence. June, 2006: Scottsdale, AZ.

 Lieving, L.V., Cherek, D.R., Tcheremissine, O.V., Lane, S.D., & Nouvion, S.O. Effects of acute tiagabine administration on aggressive responses of adult male parolees. College on Problems of Drug Dependence. June, 2005: Orlando, FL.

 Nouvion, S.O., Lane, S.D., Tcheremissine, O.V., Lieving. L.M., & Cherek, D.R. Acute effects of alprazolam on proactive and reactive aggression. College on Problems of Drug Dependence. June, 2005: Orlando, FL.

 Tcheremissine, O.V., Lane, S.D., Cherek, D.R., Lieving. L.M., Nouvion, S.O. Effects of acute propranolol administration on risk-taking behavior in substance abusers in a laboratory setting. College on Problems of Drug Dependence. June, 2005: Orlando, FL.

 Lane, S.D., Lieving, L.V., Cherek, D.R., Tcheremissine, O.V., & Nouvion, S.O. Effects of marijuana on the direction and variability of temporal discrimination in humans. College on Problems of Drug Dependence. June, 2005: Orlando, FL.

 Lieving, L.V., Lane, S.D., Cherek, D.R., Tcheremissine, O.V, & Nouvion, S.O. Effects of marijuana on the direction and variability of temporal discrimination in humans. Meeting of Association for Behavior Analysis conference. May, 2005, Chicago, IL.

 Lieving, L.V., Lane, S.D., Cherek, D.R., Tcheremissine, O.V, & Nouvion, S.O. Effects of delays on human performance on a temporal discrimination procedure. Meeting of Association for Behavior Analysis conference. May, 2005, Chicago, IL.

 Lieving, L.M., Lane, S.D., Cherek, D.R., Tcheremissine, O.V., & Nouvion, S. Acute marijuana effects on human working memory: Separating initial discriminability from forgetting. College on Problems of Drug Dependence. June, 2004: San Juan, PR.

 Tcheremissine, O.V., Cherek, D.R., Lane, S.D., Lieving, L.M., & Nouvion, S. Effects of acute administration of flumazenil on aggressive responding of male parolees with a history of conduct disorder. College on Problems of Drug Dependence. June, 2004: San Juan, PR.

 Lane, S.D., Cherek, D.R., Lieving, L.M., Tcheremissine, O.V., & Nouvion, S. Acute effects of alprazolam on risky decision-making in human subjects. College on Problems of Drug Dependence. June, 2004: San Juan, PR.

 Nouvion, S., Cherek, D.R., Lane, S.D., Tcheremissine, O.V., & Lieving, L.M. Laboratory and questionnaire measures of, and acute effects of alprazolam on, proactive and reactive aggression. College on Problems of Drug Dependence. June, 2004: San Juan, PR.

 Martin, C.A., Kelly, T.H., Guenthner, G., Bingcang, C., & Lane, S.D. Pubertal stage, sensation-seeking and methylphenidate effects in ADHD adolescents. College on Problems of Drug Dependence. June, 2004: San Juan, PR.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. Does losing hurt worse than winning feels good? Better losing through pharmacology. Meeting of Association for Behavior Analysis conference. May, 2004, Boston, MA.

 Cherek, D.R., Tcheremissine, O.V., Lane, S.D. and Nouvion, S. Psychopharmacological studies of high-risk populations: possible relevance to clinicians. Meeting of the International Society for the Study of Personality Disorders, October, 2003: Florence, Italy.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. Measures of attention and response inhibition in chronic marijuana smoking adolescents and controls. Meeting of the College on Problems of Drug Dependence. June, 2003: Bal Harbour, FL.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Tcheremissine, O.V. Acute effects of smoked marijuana of response rate and reinforcer efficacy in human subjects. Meeting of Association for Behavior Analysis conference. May, 2003, San Francisco, CA.

 Tcheremissine, O.V., Cherek, D.R., Lane, S.D., & Pietras, C.J. Effects of chronic baclofen administration on aggressive and impulsive responses of male parolees with and without a history of conduct disorder. Meeting of the College on Problems of Drug Dependence. June, 2003: Bal Harbour, FL.

 Tcheremissine, O.V., Cherek, D.R., Lane, S.D., & Pietras, C.J. Effects of gabapentin on aggressive and escape responses of adult substance abusers with and without a history of conduct disorder in a laboratory setting. European College of Neuropsychopharmacology conference. April, 2003, Nice, France.

 Pietras, C.J. Cherek, D.R., Lane, S.D., J.L. Steinberg, & Tcheremissine, O.V.  Effects of acute methyphenidate administration on impulsive responding in adult males.  European College of Neuropsychopharmacology conference. April, 2003, Nice, France.

 Pietras, C.J. Cherek, D.R., Lane, S.D., & Tcheremissine, O.V. Effects of acute administrations of the benzodiazepine lorazepam on aggressive responding in adult humans.  Meeting of the College on Problems of Drug Dependence. June, 2003, Bal Harbour, FL.

 Pietras, C.J. Cherek, D.R., Lane, S.D., & Tcheremissine, O.V. Effects of acute administrations of lorazepam on aggressive responding in adult humans.  Meeting of Association for Behavior Analysis conference. May, 2003, San Francisco, CA.

 Lane, S.D., Cherek, D.R., Pietras, C.J., & Steinberg, J.L. Residual effects of chronic marijuana use on sensitivity to consequences in adolescents. Meeting of the College on Problems of Drug Dependence. June, 2002: Quebec City, Canada.

 Martin, C.A., Kelly, T.H., Guenther, G., Lane, S.D., & Bingcang, C. Methylphenidate effects on task performance in ADHD adolescents. Meeting of the College on Problems of Drug Dependence. June, 2002: Quebec City, Canada.

 Cherek, D.R., Lane, S.D., Pietras, C.J., & Steinberg, J.L. Contrasting effects of Gabapentin/GABA release on aggression in adults with and without a history of childhood conduct disorder. Meeting of the College on Problems of Drug Dependence. June, 2002: Quebec City, Canada.

 Pietras, C.J., Lane, S.D., Cherek, D.R., & Steinberg, J.L. Effects of alcohol and THC on human risk-taking. Meeting of the College on Problems of Drug Dependence. June, 2002:

 Quebec City, Canada.

 Pietras, C.J., Cherek, D.R., & Lane, S.D. Variance-reduction models of sharing and

 choice in humans. Meeting of the Association for Behavior Analysis. May, 2002: Totonto.

 Pietras, C.J., Cherek, D.R., Lane, S.D., & Steinberg, J.L. GABA-B agonist Baclofen and human aggressive responding. Meeting of the Association for Behavior Analysis. May, 2002:

Totonto.

 Pietras, C.J., Cherek, D.R., Lane, S.D., & Steinberg, J.L. Choice in humans on a self-control and a diminishing returns procedure. Meeting of the Association for Behavior Analysis.

 May, 2002: Totonto.

 Pietras, C.J., Cherek, D.R., & Lane, S.D. Reinforcer variability and social behavior in adult

 humans. Meeting of the Southeastern Association for Behavior Analysis. October, 2001:

 Wilmington, NC.

 Lane, S.D., Cherek, D.R., Pietras, C.J. & Steinberg, J.L. Marijuana effects on humans’

 sensitivity to consequences. Meeting of the College on Problems of Drug Dependence. June, 2001: Scottsdale, AZ.

 Cherek, D.R., Lane, S.D., Pietras, C.J. and Steinberg, J.L. Acute effects of GABA-B agonist-

 baclofen on aggression in adults with and without a history of childhood conduct disorder.

 Meeting of the College on Problems of Drug Dependence. June, 2001: Scottsdale, AZ.

 Pietras, C.J., Cherek, D.R., & Lane, S.D. Effects of acute methylphenidate administration on

 aggressive responding and impulsivity in adult humans. Meeting of the College on Problems of Drug Dependence. June, 2001: Scottsdale, AZ.

 Lane. S.D., Cherek, D.R., & Pietras, C.J. Disinhibitory drugs of abuse and human risk-taking.

Meeting of the Association for Behavior Analysis, May, 2001: New Orleans.

 Critchfield, T. S., & Lane, S. D. Relative impact of gain and loss in three human choice

procedures. Meeting of the Association for Behavior Analysis, May, 2001: New Orleans.

 Critchfield, T. S., Lane, S. D., D'Arcangelo, B. & Evams, B. Relative impact of gains and

losses on human choice: Evidence from three procedures. Meeting of the Southeastern

Association for Behavior Analysis. October, 2000: Chattanooga, TN.

 Cherek, D.R. & Lane, S.D. Evaluation of the effects of serotonergic and gabaergic drugs on

human aggression and impulsivity. Meeting of the International Society of Research on Aggression. July, 2000: Valencia, Spain.

 Lane, S.D., Steinberg, J.L. and Cherek, D.R. Effects of chronic serotonin reuptake inhibition on aggression and impulsivity. Meeting of the College on Problems of Drug Dependence. June, 2000: San Juan, Puerto Rico.

 Cherek, D.R., Lane, S.D. and Steinberg, J.L. Serotonin release effects aggression and impulsivity in subjects with conduct disorder. Meeting of the College on Problems of Drug Dependence. June, 2000: San Juan, Puerto Rico.

 Lane, S.D. & Cherek, D.R. Effects of acute alcohol administration and pre-experimental history on human risk-taking. Meeting of the Association for Behavior Analysis. May, 2000:

Washington, DC.

 Kollins, S.H., MacDonald, E., Coates, A. Albrecht, S., & Lane, S.D. Schedule performance and response adaptation: Basic approaches for conceptualizing ADHD behavior. Meeting of the

Association for Behavior Analysis. May, 2000: Washington, DC.

 Lane, S.D. & Cherek, D.R. Laboratory measurement of risk taking in “high risk” individuals.

Meeting of the European Congress of Psychology. July, 1999: Rome, Italy.

 Cherek, D.R. & Lane, S.D. Fenfluramine effects on human aggression and impulsivity. Meeting of the European Congress of Psychology. July, 1999: Rome, Italy.

 Lane, S.D. & Cherek, D.R. Laboratory measurement of risk-taking among adults and adolescents with a history of antisocial behavior. Meeting of the College on Problems of Drug

Dependence. June, 1999: Acapulco, Mexico.

 Sharon, J.S., Lane, S.D., & Cherek, D.R. Aggressive responding in adolescents with a history of high risk behavior. Meeting of the College on Problems of Drug Dependence. June, 1999: Acapulco, Mexico.

 Cherek, D.R. & Lane, S.D. Effects of *d*- and *d,l*-fenfluramine on aggression and impulsivity.

 Meeting of the European Behavioural Pharmacology Society. September, 1998: Brno, Czech Republic.

 Waller, S.A, Kollins, S.H., Maher, S., & Lane, S.D. Impulsivity and differential sensitivity to

 consequences in children diagnosed with ADHD. Meeting of the Association for Advancement of Behavior Therapy. November, 1998: New York, NY.

 Lane, S.D., Cherek, D.R., Dougherty, D.M., & Moeller, F.G. Effects of smoked marijuana on

human sensitivity to changes in reward frequency. Meeting of the College on Problems of Drug Dependence. June, 1998: Scottsdale, AZ.

 Cherek, D.R. & Lane, S.D. Effects of d-fenfluramine and d,l-fenfluramine on simultaneous measures of human aggression and impulsivity. Meeting of the College on Problems of Drug

Dependence. June, 1998: Scottsdale, AZ.

 Lane, S.D., & Cherek, D.R. Effects of reinforcer probability and magnitude on risk taking behavior in human subjects. Meeting of the Association for Behavior Analysis. May, 1998: Orlando, FL.

 Waller, S.A., Kollins S.H., MacDonald, E.K., Maher S., & Lane, S.D. Adaptation to changing

 reward conditions in children diagnosed with attention-deficit/hyperactivity disorder. Meeting of the Association for Behavior Analysis. May, 1998: Orlando, FL.

 Clow, J.S., Lane, S.D., Miller, E., & Critchfield, T.S. Blending of equivalence classes via MTS training through different stimulus modalities. Meeting of the Association for Behavior Analysis. May, 1998: Orlando, FL.

 Cherek, D.R., Lane, S.D., Moeller, F.G., & Dougherty, D.M. Measures of aggression, impulsivity, and biological function in female parolees. Meeting of the Academy of Criminal Justice Sciences. March, 1998: Albuquerque, NM.

 Cherek, D.R., Lane, S.D., Moeller, F.G., & Dougherty, D.M. Aggression, impulsivity, and conduct disorder: Relationship to serotonin function and manipulation by fenfluramine. Meeting of the Academy of Criminal Justice Sciences. March, 1998: Albuquerque, NM.

 Cherek, D.R., Moeller, F.G., Dougherty, D.M., & Lane, S.D. Serotonin and impulsivity: Relationship to aggressive behavior and conduct disorder. Meeting of the American Psychological Association. Aug, 1997: Chicago, IL.

 Lane, S.D., & Cherek, D.R. Behavioral adaptation to changes in reinforcement contingencies in humans: Effects of drug dependence. Poster presented at the College on Problems of Drug Dependence. June, 1997: Nashville, TN.

 Cherek, D.R., Lane, S.D., & Moeller, F.G. Laboratory measures of aggression, impulsivity, and 5-HT function in female parolees. Meeting of the College on Problems of Drug Dependence. June, 1997: Nashville, TN.

 Lane, S.D., Cherek, D.R., & Bennett, R.H. Behavior in transition: Adaptation to changing reinforcement contingencies in individuals with and without a history of drug dependence. Meeting of the Association for Behavior Analysis. May, 1997: Chicago, IL.

 Lane, S.D., Innis, I, & Critchfield, T.S. The generalization of untrained auditory stimuli in cross-modal equivalence classes. Meeting of the Association for Behavior Analysis. May, 1996: San Francisco, CA

 Lane, S.D. & Critchfield, T.S. Equivalence class formation and complex stimuli: Emergent arbitrary match-to-sample via identity matching to complex samples. Meeting of the Association for Behavior Analysis. May, 1996: San Francisco, CA

 Innis, I, Lane, S.D., & Critchfield, T.S. Stimulus equivalence: Performance on emergent relations testing with “none of the above” as a response option. Meeting of the Association for Behavior Analysis. May, 1996: San Francisco, CA.

 Critchfield, T.S., Schlund, M.W., & Lane, S.D. When subjects and investigators talk: Instructional practices and verbal self-report methods in *JEAB* (1988-1993). Meeting of the Association for Behavior Analysis. May, 1995: Washington, DC.

 Lane, S.D., & Critchfield, T.S. (1994). Awareness of emergent relations as a supplemental measure of equivalence class formation. Meeting of the Association for Behavior Analysis. May, 1994: Atlanta, GA.

 Lane, S.D., & Critchfield, T.S. Discrimination of 3 and 4-member equivalence classes. Meeting of the Southeastern Association for Behavior Analysis. October, 1994: Savanna, GA.

 Kollins, S.H., Lane, S.D., & Shapiro, S. Quantitative analysis of performance on concurrent VI-VI schedules in children with attention deficit hyperactivity disorder (ADHD). Meeting of the Southeastern Association for Behavior Analysis. October, 1994: Savanna, GA.

 Schlund, M.S., Lane, S.D., & Sevin, B.M. Human self-reports about oddity matching-to-sample under relative time pressure: Differential control by response speed and response accuracy. Meeting of the Association for Behavior Analysis. May, 1993: Chicago, IL.

 Critchfield, T.S., Lane, S.D., & Pargeon, J. Self-reports of matching-to-sample success: Bias, sensitivity, and base rates of target-response reinforcement. Meeting of the Association for Behavior Analysis. May, 1992: San Francisco, CA.