

CURRICULUM VITAE

Scott Daniel Lane

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TITLES AND AFFILIATIONS

Present	Professor and Vice Chair for Research Co-Director, Center for Neurobehavioral Research on Addiction Louis A. Faillace, MD Department of Psychiatry & Behavioral Sciences UTHealth McGovern Medical School University of Texas Health Science Center at Houston
	Director of Research UTHealth Harris County Psychiatric Center
	Professor, Program in Neuroscience MD Anderson - UTHealth Graduate School of Biomedical Sciences
Citizenship	United States

EDUCATION

1996	Postdoctoral (Psychopharmacology) University of Texas Health Science Center at Houston National Institute for Drug Abuse (NIDA) Post-Doctoral Training Grant T32-DA07247
1995	Ph.D. (Psychology) Auburn University
1988	B.A. (Psychology) Whitman College

ACADEMIC APPOINTMENTS

2015	Director of Research UTHealth Harris County Psychiatric Center University of Texas Health Science Center at Houston
2012	Vice Chair for Research Department of Psychiatry & Behavioral Sciences UTHealth McGovern School of Medicine University of Texas Health Science Center at Houston
2010	Professor Department of Psychiatry & Behavioral Sciences UTHealth McGovern School of Medicine University of Texas Health Science Center at Houston
2005	Associate Professor Department of Psychiatry & Behavioral Sciences UTHealth McGovern School of Medicine University of Texas Health Science Center at Houston
2004	Professor Program in Neuroscience Graduate School of Biomedical Sciences MD Anderson - UT Health Science Center at Houston
1999	Assistant Professor Department of Psychiatry & Behavioral Sciences UTHealth McGovern School of Medicine University of Texas Health Science Center at Houston
1997	Research Fellow UTHealth McGovern School of Medicine University of Texas Health Science Center at Houston NIH, National Service Research Award National Institute of Drug Abuse: F32-DA05774

PROFESSIONAL ORGANIZATIONS

Current	American Association for the Advancement of Science American Psychological Association (Divisions 6, 25, 28) College on Problems of Drug Dependence International Society for Research on Impulsivity
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HONORS AND AWARDS

2020	<i>Journal of Dual Diagnosis</i> , Top reviewer recognition
2016	<i>McGovern Research Scholar (Inaugural)</i> UTHealth McGovern Medical School
2014	<i>John P. McGovern Award for Outstanding Teaching</i> Graduate School of Biomedical Sciences MD Anderson - UTHealth Science Center at Houston
2011	<i>Drug and Alcohol Dependence</i> , Top reviewer recognition
2006	<i>Fellow</i> , American Psychological Association (Division 28)
2001	<i>Young Psychopharmacologist Award</i> Wyeth-Ayerst / American Psychological Association
1997	<i>Young Scientist Travel Award</i> NIH/NIDA, College on Problems of Drug Dependence
1995	<i>Outstanding Dissertation Research Paper</i> Association for Behavior Analysis: EAHB
1991	<i>Phi Kappa Phi Honor Society</i>

GRANT REVIEW SERVICE

2021	NIH study section: ZRD1 NURA-J, Neurobiology of Addiction
2021	NIH KL2 review: UTHCS-Houston Clinical and Translational Science Award
2020	NIH study section: ZRG1 BBBP-T, Biobehavioral and Behavioral Processes
2020	NIH study section: RPHB, Risk, Prevention and Health Behavior
2020	NIH study section: ZDA1-GXM-A, NIDA Treatment Clinical Trials Network
2019	NIH study section: Integrative, Functional, and Cognitive Neuroscience
2019	DoD : Pharmacotherapies for Alcohol and Substance Use Disorders Consortium for Congressionally Directed Medical Research Programs
2018	NSF : Developmental Neurosciences Program
2018	DoD : Pharmacotherapies for Alcohol and Substance Use Disorders Consortium for Congressionally Directed Medical Research Programs US Department of Veterans Affairs (http://cdmrp.army.mil/)
2017	NIH study section: ZDA1 SXT-P, Cutting-Edge Basic Research Awards (CEBRA)

2017	NIH study section: ZRG1 RPHB, Risk, Prevention and Health Behavior
2017	DoD : Pharmacotherapies for Alcohol and Substance Use Disorders Consortium for Congressionally Directed Medical Research Programs US Department of Veterans Affairs (http://cdmrp.army.mil/)
2016	NIH study section: ZRG1 RPHB, Interventions and Mechanisms for Addictions
2016	DoD : Pharmacotherapies for Alcohol and Substance Use Disorders Consortium for Congressionally Directed Medical Research Programs US Department of Veterans Affairs (http://cdmrp.army.mil/)
2015	NIH study section: RPIA, Risk, Prevention and Intervention for Addictions
2015	NIH study section: IPTA, Interventions to Prevent and Treat Addictions
2015	NIH study section: BRLE, Biobehavioral Regulation, Learning and Ethology
2015	NIH KL2 review: UTHCS-Houston Clinical and Translational Science Award
2013	NIH RFA review, NIDA-13-007: Identifying Health Outcomes Associated with Changes in Use of Illicit Drugs
2012	NIH KL2 review: UTHCS-Houston Clinical and Translational Science Award
2009	NIH study section: RPIA, Risk, Prevention and Intervention for Addictions
2009	NIH study section: APDA, Adult Psychopathology and Disorders of Aging
2008	NIH study section: RPIA, Risk, Prevention and Intervention for Addictions
2008	NIH study section: APDA, Adult Psychopathology and Disorders of Aging
2007	NIH study section: RPIA, Risk, Prevention and Intervention for Addictions
2007	NIH NIDA Section K: Training and Fellowship Committee
2007	Netherlands Organization for Health Research and Development : High Risk Behavior and Dependency Section
2007	US-Israel Bi-national Science Foundation : Cognitive and Decision Sciences
2006	NIH NIDA: Section K: Training and Fellowship Committee
2005	NIH NIMH: Neuroscience and Basic Behavioral Science
2004	NIH NIMH: Neuroscience and Basic Behavioral Science

EDITORIAL SERVICE

2019	Guest Editor, <i>Frontiers in Psychiatry: Addiction & Neuroscience</i>
2018–	Associate Editor, <i>Behavioral Sciences</i>
2018–	Editorial Board, <i>BMJ: General Psychiatry</i>
2010–2017	Editorial Board, <i>Behavioral Sciences</i>
2008–2011	Editorial Board, <i>The Open Neuropsychopharmacology Journal</i>
2003–2005	Editorial Board, <i>Addictive Disorders and Their Treatments</i>

2002–2005 | Editorial Board, *Journal of the Experimental Analysis of Behavior*
 2001–2004 | Editorial Board, *Experimental Analysis of Human Behavior Bulletin*

Ad-hoc Reviewer: *Addiction; Addictive Behaviors; Addiction Biology; Aggression & Violent Behavior; Aggressive Behavior; Alcoholism: Experimental and Clinical Research; American Journal on Drug and Alcohol Abuse; American Journal of Preventative Medicine; Behavioral Neurology; Behavioural Pharmacology; Behavioural Processes; Behavioral Sciences; Behavior Research & Therapy; Biological Psychiatry; Biological Psychiatry: Cognitive Neuroscience and Neuroimaging; Biological Psychology; Biology of Sex Differences; BMC Medicine; BMJ: General Psychiatry; Cerebral Cortex; Clinical Chemistry; Cognitive Affective and Behavioral Neuroscience; Developmental Psychology; Drug and Alcohol Dependence; Experimental and Clinical Psychopharmacology; European Psychiatry; Human Brain Mapping; Frontiers in Behavioral Neuroscience; 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 Clinical Psychiatry; Journal of Dual Diagnosis; 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 & Economics; Journal of Neurotoxicology & Teratology; Journal of Psychiatry and Neuroscience; Journal of Psychopharmacology; Journal of Studies on Alcohol and Drugs; Nature Scientific Reports; Neuroimage; Neuropsychopharmacology; Neuroscience Letters; Pharmacology Biochemistry and Behavior; Philosophical Transactions of the Royal Society: London; PLoS One; Psychology of Addictive Behaviors; Psychoneuroendocrinology; Psychopharmacology; The Psychological Record*

SERVICE: UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER

2021– . Psychiatry & Behavioral Sciences Psychology Internship Committee
 2021– . Psychiatry & Behavioral Sciences Compliance Committee
 2020– . Neuroscience Qualifying Exam Committee, Graduate School of Biomedical Sciences
 2018–2020 McGovern Medical School Strategic Planning Committee for Research 2020-2025
 2018– . Neuroscience Steering Committee, Graduate School of Biomedical Sciences
 2016– . Psychiatry & Behavioral Sciences Faculty Recruitment Committee
 2014– . Psychiatry & Behavioral Sciences Faculty Tenure and Promotions Committee
 2013– . Psychiatry & Behavioral Sciences Executive Committee
 2008– . Psychiatry & Behavioral Sciences Research Planning Committee
 2020 UTHHealth Task Force on Research Response to COVID-19
 2017–2019 Executive Committee, Graduate School of Biomedical Sciences
 2017–2018 Chair, Academic Standards Committee, Graduate School of Biomedical Sciences
 2017–2018 Neuroscience Curriculum Committee, Graduate School of Biomedical Sciences
 2014–2018 Chair, Space Committee, Department of Psychiatry & Behavioral Sciences
 2015–2017 Academic Standards Committee, Graduate School of Biomedical Sciences
 2017 Supervising Mentor, UTHHealth New Investigator Development Program (I. Bauer)

2015	Supervising Mentor, UTHealth New Investigator Development Program (C. Zeni)
2015	Panel, Public Forum: The Brain on Drugs UTHealth Neuroscience Research Center
2011–2015	Saltzberg Summer Research Fellowship Coordinator, MS1 research training program
2008–2015	Committee for the Protection of Human Subjects (IRB), UTHSC-Houston
2001–2012	Psychiatry Lecture Series and Pharmaceutical Support Committee
2005–2007	Chair, Space Committee, Department of Psychiatry & Behavioral Sciences
2007–2010	Academic Council, Department of Psychiatry & Behavioral Sciences
2001–2006	Faculty Interviewer, Medical School Admissions Board

SERVICE: SCIENTIFIC COMMUNITY

2020–2021	Texas Research-to-Policy Collaboration Project (UT System Schools of Public Health): matched network member for legislators Carol Alvarado, William 'Four' Price, and Senfronia Thompson
2020–2023	Data Safety and Monitoring Board: 'Dual-Orexin Antagonism as a Mechanism for Improving Sleep and Drug Abstinence in Opioid Use Disorder' (M. Greenwald, PI)
2019	UTHealth Junior Faculty Boot Camp (Speaker): <i>The road more travelled: Mistakes, opportunities, serendipity, and survival</i>
2019–2020	Gulf Coast Consortium Steering Committee: Translational Science Cluster in Mental Health Research
2018–2021	Finance Committee: College on Problems of Drug Dependence
2016–2018	Gulf Coast Consortium Steering Committee: Translational Science Cluster, Addiction
2014–	<i>Med-Pathway: Advanced Practice for the New MCAT.</i> (S-Corp). Co-creator and Vice-President. MCAT prep materials (print book, online tests and statistics)
2019	Out In Front: UTHealth Online Magazine (Consulting Scientist) <i>Brain Health. Addressing a growing crisis merging biological and cognitive science to tackle addiction</i>
2017–2018	Advisory Panel: Alcohol and Substance Abuse Disorders Research Program (ASADRP) US Department of Defense; Congressionally Directed Medical Research Programs
2016–2017	Faculty External Search Committee: UT MD Anderson Cancer Center Department of Behavioral Science (Paul M. Cinciripini, Chair)
2015–2017	Data Safety and Monitoring Board: 'Non-Invasive Direct Current Stimulation for Cognition in Schizophrenia.' UTHealth McGovern Medical School (R. Cho, PI)
2015	Health Leader Online Magazine (Consulting Scientist) <i>Artificial high: Synthetic drugs are anything but safe</i>
2015	UTHealth Addiction Expert: Fox Chanel 26 News, Brain Awareness Week
2012	Consultant: PhenX Substance Abuse and Addiction (SAA) Working Group 2. NIH NHGRI award No. U01 HG004597. PhenX provides standardization of measures related to complex diseases, phenotypic traits and environmental exposures
2011	Addiction Expert: National Geographic BBC program, <i>Drugged: High on Cocaine</i>

2011–14	Data Safety and Monitoring Board: 'A Human Laboratory Assessment of the Safety and Potential Efficacy of Varenicline in Methamphetamine-Dependent Volunteers Receiving Methamphetamine.' Baylor College of Medicine (R. De La Garza II, T. Newton, PIs)
2003–2005	Program Chair: American Psychological Association Annual Convention, Division 28 (Psychopharmacology and Substance Abuse)

TEACHING

2020	Research Ethics, UTHealth Psychiatry & Behavioral Science Residency Program
2020	Statistical Methods and Guidelines, UTHealth Psychiatry & Behavioral Science Residency Program
2020	Mesocorticolimbic Circuits Modulating Reward Behavior, UTHSC Graduate School of Biomedical Sciences (Neurocircuits and Behavior Course)
2014–2020	Research Ethics, Principles and Practice, UTHSC Psychology Internship Lecture Series
2010–2019	Drugs and Cognition: Psychopharmacology, UTHSC Graduate School of Biomedical Sciences (Cognitive Neuroscience Course)
2017	Neurobiology of Disease: Opioids, Neurobiological and Clinical Perspectives, UTHSC Graduate School of Biomedical Science
2012–2017	Addiction Lecture Series: Sedatives, Hallucinogens, Cannabinoids, UTHSC Medical School Behavioral Sciences Block, MS 2
2014–2016	Principals of Design and Data Analysis, UTHealth Psychiatry PGY1 and PGY2 Resident Didactics
2012–2016	Behavioral Science Interviewing (preceptor), UTHSC Medical School
2015	Neurobiology of Disease: Stress and the Brain, UTHSC Graduate School of Biomedical Sciences
2013	Neurobiology of Disease: Addiction, Clinical and Neurobiological Perspectives, UTHSC Graduate School of Biomedical Science
2009–2011	Research Methodology I and II, UTHSC Department of Psychiatry PGY1 and PGY2 Resident Didactics
2006	Neurobiology of Disease: Behavioral Neuroscience of Addiction, UTHSC Graduate School of Biomedical Science
2005–2006	Psychopharmacology, UTHSC Clinical Psychology Internship Program
2002–2004	Psychopharmacology Lecture Series, UTHSC Psychiatry Grand Rounds
2004	Behavioral Pharmacology, UTHSC Graduate School of Biomedical Science
2003	Psychopharmacology, University of Houston (Graduate Seminar)
1994–95	Quantitative Methods (Statistics), Auburn University
1993–94	Learning and Conditioning, Auburn University
1992	Developmental Psychology, Auburn University

MENTORING

Junior Faculty

2021–2022	Lokesh Shahani, M.D. UTHealth Department of Psychiatry & Behavioral Sciences Ph.D. Co-Mentor, Dissertation Committee, University of Texas-Houston School of Public Health: <i>Predictors of lengths of stay and suicidality related to psychiatric hospitalization in the geriatric patient population.</i>
2021–2022	Jin H. Yoon, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences McGovern Medical School Pilot Grant: <i>Relationship between opioid demand metrics and pain-related outcomes.</i>
2019–2021	Gabriel Fries, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences K12 awardee: <i>Association between stress reactivity and DNA methylation in patients with bipolar disorder</i> K01 awardee: <i>Stress reactivity and DNA methylation in patients with bipolar disorder</i>
2019–2021	Robert Suchting, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences UTHealth Psychiatry & Behavioral Sciences Seed Grant: <i>Suvorexant treatment to reduce relapse risk symptoms during cigarette smoking withdrawal: a double-blind, placebo-controlled study</i>
2019	Emily H. Wu, M.D. UTHealth Department of Psychiatry & Behavioral Sciences Alkermes Pathways Research Program: <i>Relationships among cannabis use trajectories and psychosis in an acute inpatient mental setting</i>
2017–2018	Jin H. Yoon, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences UTHealth Psychiatry & Behavioral Sciences Seed Grant: <i>Targeting alcohol use & stress reactivity with pioglitazone</i>
2017–2018	Isabelle Bauer, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences K01 application: <i>Neural and cognitive correlates of impulsivity in bipolar disorder and comorbid alcohol use disorder</i>
2015	Benson M. Irungu, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences KL2 application: <i>Individualized bio-behavioral markers of vulnerability and disease progression in bipolar disorders</i>
2015-2017	Margaret Wardle, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences K08 awardee (2016-2021): <i>Targeting anhedonia in cocaine use disorder</i>
2014	Ola O. Okusaga, M.D. UTHealth Department of Psychiatry & Behavioral Sciences K23 application: <i>Peripheral inflammation and inhibitory control in psychosis</i>
2013-2015	Anka Vujanovic, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences KL2 awardee: <i>Randomized controlled trial of a novel cognitive-behavioral treatment for PTSD and cocaine dependence</i>

2011–2012 | Kirti Saxena, M.D. UTHealth Department of Psychiatry & Behavioral Sciences
K23 application: *Neural and laboratory markers of impulsive aggression in bipolar adolescents*

Postdoctoral Fellows

2018– . | Heather Webber, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
K01 application: *Targeting physiological markers of reward functioning with transcranial magnetic stimulation in cocaine use disorder*
NIH/NSRA F32 awardee: *Developing adaptive interventions for cocaine cessation and relapse prevention.*
UTHealth Psychiatry & Behavioral Sciences Seed Grant: *Effects of cocaine abstinence on EEG gamma in response to neutral and cocaine cues*

2017–2018 | Yong Cui, Ph.D. MD Anderson Department of Behavioral Sciences.
K01 application: *Evaluating the feasibility of a dual inhibitory control training-based mobile intervention for smoking*

2016 | Gabriel Fries, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
K99/K00 application: *Association between stress reactivity and DNA methylation in patients with bipolar disorder*

2016 | Yong Cui, Ph.D. MD Anderson Department of Behavioral Sciences
K99/K00 application: *A dual inhibitory control training-based adjunct intervention for smoking*

2015 | Isabelle Bauer, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
K01 application: *Cognitive, neural and physiological basis of affective biases in mood spectrum disorders*

2008–2012 | Shijing Liu, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
MD Anderson Cancer Center Behavioral Sciences Fellowship, 2012-2013

2007–2008 | Delphine Psychoyos, Ph.D., Texas A&M Health Science Center
NIH/NSRA F32 awardee: *Teratogenic effects of marijuana in developing CNS*

2004–2006 | Lori M. Lieving, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
Currently Faculty, Director of Research Programs, Carolinas College of Health Sciences
NIH/NSRA F32 awardee: *Impulsivity and time estimation in substance abusers*

2001-2003 | Cynthia J. Pietras, Ph.D. UTHealth Department of Psychiatry & Behavioral Sciences
Currently Associate Professor, Western Michigan University

Residents

2019-2020	<p>Tina Thomas, MBBS, MRCPsych, (Co-Mentor, Research Track) Resident research paper winner, Journal of Psychiatric Practice, 2019-2020 <i>Race, history of abuse, and homelessness are associated with forced medication administration during psychiatric inpatient care</i> American Psychiatric Association Foundation (APA) Foundation Grant, 2020-2021 <i>Feasibility study of using mobile phone technology to survey COVID-19 exposure, knowledge, attitudes and prevention practices, mental health and access to care in people with serious mental illness (SMI) experiencing homelessness</i></p>
2018-2020	<p>Shweta Kapoor, M.D. (Co-Mentor, Research Track) American Psychiatric Association Research Colloquium Awardee, 2019 <i>Opioid misuse risk assessment in patients undergoing surgery following traumatic injury</i></p>
2016-2019	<p>Sabrina Correa Da Costa, M.D. (Primary Mentor, Research Track) Addiction Fellowship, Yale Medical School, 2019-20 Laughlin Fellow of The American College of Psychiatrists, 2018-19 Junior Investigator Research Colloquium, American Psychiatric Association, 2017 Outstanding Resident Excellence in Research Award, UTHealth, 2017 American College of Neuropsychopharmacology Research Colloquium Awardee, 2017 American Academy of Addiction Psychiatry Resident Travel Scholarship, 2017 MIRECC Training Residents in Psychiatry Scholarship (TRIPS) Program, 2016 <i>The impact of substance use disorders and cognitive functioning late in life</i></p>
2015-2016	<p>Ajay Parsaik, M.D. (Primary Mentor, Research Track) Area 5 APA resident poster competition 1st place, 2017 Mental Health Congress resident poster award 1st place, 2016 MIRECC Training Residents in Psychiatry Scholarship (TRIPS) Program, 2016: <i>Substance use disorders in psychiatric inpatients reporting childhood trauma</i></p>
2013-2015	<p>Samet Kose, M.D., Ph.D. (Primary Mentor, Research Track) Janssen Resident Psychiatric Research Scholar, 2014 APA Young Investigator Award, 2014: <i>Neural correlates of impulsive aggressive behavior in subjects with a history of alcohol dependence</i></p>
2013-2014	<p>Nilesh S. Tannu, M.D. (Mentor, Research Track) Society for Biological Psychiatry Travel Award Winner, 2014: <i>Proteomic analyses for evaluation of PPAR-gamma agonist treatment for cocaine dependence</i> Janssen Resident Psychiatric Research Scholar, 2013</p>

Graduate Students

- 2018– . Kyla Gibney, MD Anderson UTHealth Graduate School of Biomedical Sciences
Dissertation Committee Member
Gigli Family Endowed Scholarship Awardee
Drug Abuse Research Training (DART) Summer Fellowship: Medical University of South Carolina
NIH F31 awardee (co-Mentor): *Resisting food temptation: How do affective and cognitive brain systems interact?*
- 2018-2019 Charlotte Beard, UTHealth Clinical Psychology Internship Program
White matter integrity in stimulant use disorders: A meta-analysis of diffusion tensor imaging studies.
A meta-analysis of tract-based spatial statistics studies examining white matter integrity in cocaine use disorder.
- 2016–2019 Jonika Tannous, MD Anderson UTHealth Graduate School of Biomedical Sciences
Examining Committee and Dissertation Committee Member
Roberta M. and Jean M. Worsham Endowed Scholarship winner, 2018
Trajectories and clusters- An examination of white matter and cognition in children and adolescents with bipolar disorder
GSBS rotation research project: *Relationships among anti-saccade errors and white matter integrity in subjects with cocaine and alcohol use disorders*
Data Scientist: Centers for Disease Control - Houston
Data Scientist: Houston Methodist Hospital, Neurology and Neuroscience
- 2016–2019 Andrea Dimet, University of Texas Medical Branch Integrated Neuroscience Program
Dissertation committee: *Integrative biochemistry, omics, and bioinformatics to elucidate mechanisms underlying cocaine cue reactivity*
- 2015–2019 Christopher Walker, MD Anderson UTHealth Graduate School of Biomedical Sciences
Examining Committee and Dissertation Committee Member: *Gamma frequency oscillations in adolescent cortical and working memory development: examination using combined TMS and EEG*
- 2011–2014 Nadeeka Dias, Ph.D., MD Anderson UTHealth Graduate School of Biomedical Sciences
Frances Adoue Lynch Addiction Research Award, 2012
Primm-Singleton Award – College on Problems of Drug Dependence, 2013
National Eye Institute (NIH) Young Investigators Fellowship – Gordon Research Conference, 2013
Robert W. and P. Wallis Knox Charitable Foundation Scholarship Award, 2014
Post-doctoral fellow, Harvard Medical School / McLean Hospital (S.E. Lukas, 2014-16)
Primary Mentor and Dissertation Advisor: *Eyetracking measures of attentional bias in cocaine-dependent subjects*
- 2011–2014 Nuwan Rathnayaka, MPH. UTHSC School of Public Health
Graduate Research Assistant & Ph.D. student, University of North Carolina, Biostatistics (2014–2019)
Masters in Public Health Advisory Committee

2009–2014	Joseph Alcorn, Ph.D. MD Anderson UTHealth Graduate School of Biomedical Sciences Dee S. and Patricia Osborne Endowed Scholarship, 2014 2012 Roberta M. and Jean M. Worsham Endowed Scholarship winner, 2012 2012 Primm-Singleton Award – College on Problems of Drug Dependence, 2012 Post-doctoral fellow and Research Associate, University of Kentucky Medical School (C.R. Rush, 2015–2019) Primary Mentor and Dissertation Advisor: <i>Effects of oxytocin on human aggression</i>
2008–2011	Lorena Maili, M.S. MD Anderson UTHealth Graduate School of Biomedical Sciences Masters in Biological Sciences Advisory Committee Roberta M. and Jean M. Worsham Endowed Scholarship winner, 2010
2006–2011	Joshua Gowin, Ph.D. MD Anderson UTHealth Graduate School of Biomedical Sciences Post-doctoral fellow, UC San Diego (M.P. Paulus, 2012–2013) Research Fellow, NIAAA (V. Ramchandani, 2014–18) Assistant Professor, University of Colorado School of Medicine (2018–present) Primary Mentor and Dissertation Advisor: <i>The role of cortisol in the cycle of violence</i>
2002–2006	Sylvain Nouvion, Ph.D. MD Anderson UTHealth Graduate School Biomedical Sciences NIH/NSRA F31 application: <i>Human reactive and proactive aggression</i> Post-doctoral fellow, Wake Forest University, (2007-2008, D.M. Dougherty) Chair for GSBS Examining Committee, Doctoral Advisory Committee: <i>Proactive aggression: A two part study</i>

Medical Students

2019–	Emily Mendez, UTHealth McGovern Medical School Co-Mentor, MD/PhD program, dissertation research component NIH Diversity in Vision Research and Ophthalmology Summer Internship Program CTSA TL1 award: <i>In vivo and in vitro mechanisms in substance use disorder toxicity</i> NIH F30 application: <i>Molecular signatures of cocaine-induced neurotoxicity in human brain models</i>
2019–2020	Christopher Gurguis, UTHealth McGovern Medical School <i>Risk factors for metabolic and cardiovascular disease in inpatients with severe mental illness</i>
2018–2019	Amber Berumen, UTHealth McGovern Medical School, Saltzberg Research Fellow <i>Elevated neutrophil to lymphocyte ratio (NLR) in cocaine use disorder (CUD) as a marker of chronic inflammation and accelerated aging</i>
2018–	Kira Gomez, UTHealth McGovern Medical School, Saltzberg Research Fellow <i>Trauma, inflammation, and anhedonia in cocaine use disorder</i> Co-mentor: UTHealth McGovern Medical School scholarly concentration in Neuroscience
2013	Genevieve Holmes, M.D. UTHealth McGovern Medical School, Saltzberg Research Fellow, <i>Saccadic eye movement reaction times support attentional bias towards cocaine cues in cocaine dependent subjects</i>

2011	Courtney Olsen, M.D., Ph.D. UTHealth McGovern Medical School, Saltzberg Research Fellow, <i>Neural correlates and effects of A2A antagonist SYN115 on attention / response inhibition in cocaine dependent subjects</i>
2007	Kelley Babcock, M.D. UTHealth McGovern Medical School, Summer Research Program
2007	Charles Lewis, M.D. UTHealth McGovern Medical School, Summer Research Program
2006	Katherine Nelson, M.D. UTHealth McGovern Medical School, Summer Research Program

COLLABORATIVE SCIENTIFIC VENTURES

2021–	UTHealth McGovern Medical School, Dept. of Neurology (A.Z. Sharrief, S.I Savitz) Risk factors and outcomes in cocaine-related stroke
2019–2020	Perkins & Will (E. Edelstein) Environmental factors influencing agitation, sleep, and adverse events in mental and behavioral health settings
2014–2018	University of Texas Medical Branch–Galveston (K.A. Cunningham, K.T. Dineley) Role of PPAR-gamma and brain circuit alterations in cocaine abuse
2012-2017	Mount Sinai School of Medicine (N. Klein, G. Gan) Genes, brain, and behavior in human aggression
2013-2015	Virginia Commonwealth University (F.G. Moeller, J.L. Steinberg) Impulsivity and trauma in substance use disorders
2009-2013	Duke University (S.H. Kollins, F.J. McClernon) Methylphenidate, ADHD, and nicotine dependence
2008-2010	Baylor College of Medicine (T.R. Kosten, T. Newton) Neural correlates of stimulant administration on impulse control in cocaine dependence
2004-2008	University of California–San Diego (M.P. Paulus) Neurobiology of risky decision making and impulsivity

GRANT SUPPORT

Current

2021–2023	<i>Assessment of pioglitazone to address stress reactivity and Alcohol Use Disorder</i> Co-Investigator (PI, J.H. Yoon) NIH/NIAAA R21 AA 027273 \$138,000 direct / year
2020–2024	<i>Efficacy of pioglitazone as a relapse prevention medication for cocaine addiction</i> Principal Investigator (Co-PI, J.M. Schmitz) NIH/NIDA R01 DA 048026 \$449,000 direct / year
2019–2021	<i>In vitro and in vivo evidence of neurotoxicity in substance abuse</i> Principal Investigator (Co-PI, C. Walss-Bass), The McManus Charitable Trust \$50,000
2019–2024	<i>Non-medical opioid use core</i> Co-Investigator, CTSA sub-award Parent Grant: Clinical and Translational Science Award: CTSA/CCTS (D.D. McPherson and D. Karp, PIs) NIH NCATS UL1 TR003167 \$5,636,426 / year
2019–2021	<i>Effects of cocaine abstinence on EEG gamma/theta power in response to neutral and cocaine cues</i> Co-Investigator and Mentor (H. Soder, PI) UTHealth Psychiatry & Behavioral Sciences Seed Grant \$20,000
2019–2021	<i>Suvorexant treatment to reduce relapse risk symptoms during cigarette smoking withdrawal: a double-blind, placebo-controlled study</i> Co-Investigator and Mentor (R. Suchting, PI) UTHealth Psychiatry & Behavioral Sciences Seed Grant \$20,000
2015–	<i>Center for outcome study and program evaluation in mental health</i> Principle Investigator, UT System Institutional Endowment \$1,548,000 (\approx \$75,000 annual)

Pending

2021	<i>A randomized controlled trial of exenatide as an adjunct to dual NRT for smoking cessation and prevention of post-cessation weight gain</i> Co-Investigator (PI, L. Yammine) NIH/NIDA R01
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Past

2016–2017	<i>Role of the orexin receptor system at the nexus of stress, sleep and drug abuse</i> Principal Investigator, The McManus Charitable Trust \$50,000
2016–2018	<i>McGovern Research Scholar Endowment</i> Principal Investigator, UTHealth \$100,000
2013–2016	<i>Bupirone, stress, and attentional bias to marijuana cues</i> Principle Investigator, NIH/NIDA R21 DA 034825 \$150,000 / year
2013–2016	<i>Cognitive-enhancing DA medications for cocaine dependence</i> Principle Investigator (Co-PI, J.M. Schmitz), NIH/NIDA R01 DA 030787 \$300,000 / year
2010–2016	<i>Psychopharmacology of novel medications for cocaine dependence</i> Principle Investigator, NIH/NIDA Project P50 DA 009262 (J.M. Schmitz, P50 PI) \$120,000 / year
2010–2016	<i>Substance abuse research: Medications development center</i> Co-Investigator, NIH/NIDA P50 DA 009262 \$1,386,640 / year
2011–2013	<i>Novel biomarkers and therapeutics in addictions and impulse control disorders</i> Co-Investigator (PI: K.A. Cunningham), CRR/NIH 1UL1RR029876 \$150,000 / year
2008–2013	<i>Neural correlates of alcohol effects on aggressive behavior</i> Principal Investigator, NIH/NIAAA R01 AA 016965 \$200,000 / year
2011–2012	<i>Impact of minocycline on cognitive symptoms in early-course schizophrenia</i> Co-Investigator (PI, M. Shad), Stanley Medical Research Institute \$287,200 / year
2007–2012	<i>Contingency management plus levodopa/carbidopa for treatment of cocaine dependence</i> Co-Investigator (PI, J.M. Schmitz), NIH/NIDA R01 DA 023608 \$250,000 / year
2006–2012	<i>Drugs of abuse and aggressive behavior</i> Principal Investigator, NIH/NIDA R01 DA 003166 \$175,000 / year
2007–2009	<i>Adenosine receptor antagonists in cocaine dependence: caffeine and paraxanthine</i> Principal Investigator, NIH/NIDA Project P50 DA 009262 (F.G. Moeller, P50 PI) \$150,000 / year
2007–2009	<i>PharmacMRI, impulse control, and cue reactivity in cocaine dependence</i> Co-Investigator, sub-award NIH/NIDA P50 DA 019197 (T.R. Kosten, P50 PI) \$150,000 / year
2005–2007	<i>Effects of chronic administration of atomoxetine (Strattera) on aggressive and impulsive behavior of adult human volunteers with a history of conduct disorder</i> Principal Investigator, Lilly Research Laboratories, Eli Lilly Co. \$67,605 / year

2002–2007	<i>Mechanisms in risk taking: Disinhibitory drugs of abuse</i> Principal Investigator, NIH/NIDA R01 DA 015392 \$125,000 / year
2000–2006	<i>Marijuana effects on basic behavioral mechanisms</i> Principal Investigator, NIH/NIDA R01 DA 012968 \$125,000 / year
1998–2003	<i>Altering behavioral risk for drug dependence</i> Co-Investigator (PI: D.R. Cherek), NIH/NIDA R01 DA 010552 \$138,796 / year
1997–2002	<i>Behavioral mechanisms in high risk populations</i> Co-Investigator (PI: D.R. Cherek), NIH/NIDA R01 DA 010592 \$104,750 / year
1997–1998	<i>Effects of marijuana on maladaptive behavior patterns</i> Principal Investigator, NIH/NIDA F32 DA 005774 \$50,000 / year

PUBLICATIONS

Metrics	H-Index = 46
	M-index = 1.84
	Google Scholar i10 index = 119
	N = 167

Peer Reviewed Original Journal Publications

- De Dios, C., Suchting, R., Soder, H. E., Yoon, J. H., Yammine, L., Vincent, J., Weaver, M. F., Stotts, A. L., Schmitz, J. M., and Lane, S. D. (2021). Speed-accuracy trade-off during anti-saccade testing differentiates patients with cocaine use disorder who achieve initial treatment abstinence. *Journal of Psychopharmacology* : in press. DOI: [10.1177/0269881121991566](https://doi.org/10.1177/0269881121991566).
- Hoots, J. K., Webber, H. E., Nunez, C., Cooper, J. A., Lopez-Gamundi, P., Lawlor, V. M., Lane, S. D., Treadway, M. T., and Wardle, M. C. (2021). Acute drug effects differentially predict desire to take dextroamphetamine again for work and recreation. *Psychopharmacology*: in press. DOI: [10.1007/s00213-021-05897-6](https://doi.org/10.1007/s00213-021-05897-6).
- Lavagnino, L., Gurguis, C., and Lane, S. D. (2021). Risk factors for metabolic and cardiovascular disease in inpatients with severe mental illness. *Psychiatry Research*: 304, 114148. DOI: [10.1016/j.psychres.2021.114148](https://doi.org/10.1016/j.psychres.2021.114148).
- Schmitz, J. M., Lane, S. D., Weaver, M. F., Narayana, P. A., Hasan, K. A., Suchting, R., and Green, C. E. (2021a). Targeting white matter neuroprotection as a relapse prevention strategy for treatment of cocaine use disorder: Design of a mechanism-focused randomized clinical trial. *Contemporary Clinical Trials*: in press.
- Schmitz, J. M., Suchting, R., Green, C. E., Webber, H. E., Vincent, J., Moeller, F. G., and Lane, S. D. (2021b). Effects of combination levodopa-ropinirole on cognitive improvement and treatment outcome in individuals with cocaine use disorder: A Bayesian mediation analysis. *Drug and Alcohol Dependence*: 225, 108800. DOI: <https://doi.org/10.1016/j.drugalcdep.2021.108800>.
- Shahani, L. R., Lane, S. D., and Soares, J. C. (2021). COVID-19 vaccine hesitancy in the inpatient psychiatric setting. *Psychiatric Services*: in press.
- Stamatovich, S. N., Paula Lopez-Gamundic, P., Suchting, R., Colpob, G. D., Walss-Bass, C., Lane, S. D., Schmitz, J. M., and Wardle, M. C. (2021). Plasma pro- and anti-inflammatory cytokines may relate to cocaine use, cognitive functioning, and depressive symptoms in cocaine use disorder. *American Journal of Drug and Alcohol Abuse* 47, 52–64. DOI: [10.1080/00952990.2020.1828439](https://doi.org/10.1080/00952990.2020.1828439).
- Suchting, R., Beard, C. L., Schmitz, J. M., Soder, H. E., Yoon, J. H., Hasan, K. M., Narayana, P. A., and Lane, S. D. (2021a). A meta-analysis of tract-based spatial statistics studies examining white matter integrity in cocaine use disorder. *Addiction Biology* 26, e12902. DOI: [10.1111/adb.12902](https://doi.org/10.1111/adb.12902).
- Suchting, R., Green, C. E., Dios, C. de, Vincent, J., Moeller, F. G., Lane, S. D., and Schmitz, J. E. (2021b). Citalopram for treatment of cocaine use disorder: A Bayesian drop-the-loser randomized clinical trial. *Drug and Alcohol Dependence*: 228, 109054. DOI: [10.1016/j.drugalcdep.2021.109054](https://doi.org/10.1016/j.drugalcdep.2021.109054).
- Tondo, L. P., Viola, T. W., Fries, G. R., Kluwe-Schiavon, B., Rothmann, L. M., Cupertino, R., Ferreira, P., Franco, A. R., Lane, S. D., Stertz, L., Zhongming, Z., Hu, R., Meyer, T., Schmitz, J. M., Walss-Bass, C.,

- and Grassi-Oliveira, R. (2021). White matter deficits in cocaine use disorder: Convergent evidence from in vivo diffusion tensor imaging and ex vivo proteomic analysis. *Translational Psychiatry*: 11, 252. DOI: [10.1038/s41398-021-01367-x](https://doi.org/10.1038/s41398-021-01367-x).
- Warner, A. R., Glazier, S., Lavagnino, L., Hernandez, S., Ruiz, A., and Lane, S. D. (2021a). Inpatient early intervention for serious mental illnesses and post-discharge criminal involvement in a high-volume psychiatric hospital setting. *Journal of Psychiatric Research*: 143, 285–291. DOI: [10.1016/j.jpsychires.2021.09.020](https://doi.org/10.1016/j.jpsychires.2021.09.020).
- Warner, A. R., Lavagnino, L., Glazier, S. M., Hamilton, J. E., and Lane, S. D. (2021b). Inpatient early intervention for serious mental illnesses is associated with fewer rehospitalizations compared to treatment as usual in a high-volume public psychiatric hospital setting. *Journal of Psychiatric Practice*: in press.
- Warner, A. R., Shen, G. C., Hamilton, J. E., Lavagnino, L., and Lane, S. D. (2021c). Customizing early intervention treatment for psychosis in the UTHealth - Harris County Psychiatric Center. *Inquiry: The Journal of Health Care Organization, Provision, and Financing*: 58, 1–7. DOI: [10.1177/00469580211049030](https://doi.org/10.1177/00469580211049030).
- Webber, H. E., Dios, C. de, Wardle, M. C., Suchting, R., Green, C. E., Schmitz, J. M., Lane, S. D., and Versace, F. (2021a). Electrophysiological responses to emotional and cocaine cues reveal individual neuroaffective profiles in cocaine users. *Experimental and Clinical Psychopharmacology*: in press. DOI: [doi:10.1037/pha0000450](https://doi.org/10.1037/pha0000450).
- Webber, H. E., Kessler, D. A., Lathan, E. C., Wardle, M. C., Green, C. E., Schmitz, J. M., Lane, S. D., and Vujanovic, A. A. (2021b). Posttraumatic stress symptom clusters differentially predict late positive potential to cocaine imagery cues in trauma-exposed adults with cocaine use disorder. *Drug and Alcohol Dependence*: 227, 108929. DOI: [10.1016/j.drugalcdep.2021](https://doi.org/10.1016/j.drugalcdep.2021).
- Yamine, L., Green, C. E., Kosten, T. R., Suchting, R., De Dios, C., Lane, S. D., Verrico, C. D., and Schmitz, J. M. (2021). Exenatide adjunct to nicotine patch facilitates smoking cessation and may reduce post-cessation weight gain: a pilot randomized controlled trial. *Nicotine & Tobacco Research*: 23, 1682–1690. DOI: [10.1093/ntr/ntab066](https://doi.org/10.1093/ntr/ntab066).
- Yoon, J. H., Dios, C. de, Suchting, R., Vincent, J. N., McKay, S. A., Lane, S. D., and Schmitz, J. M. (2021a). Initial development of a brief assessment of cocaine demand. *Behavioral Pharmacology*. 32, 351–355. DOI: [doi:10.1097/FBP.0000000000000617](https://doi.org/10.1097/FBP.0000000000000617).
- Yoon, J. H., Suchting, R., De Dios, C., Vincent, J. N., Mackay, S. A., Lane, S. D., and Schmitz, J. M. (2021b). Decreased cocaine demand following contingency management treatment. *Drug and Alcohol Dependence*: 226, 108883. DOI: [10.1016/j.drugalcdep.2021.108883](https://doi.org/10.1016/j.drugalcdep.2021.108883).
- Ezeobebe, I. E., Mackey, A., McBride, R. L., Harris, D., Russell, C. D., and Lane, S. D. (2020). Patient-on-staff assaults: Perspectives of mental health staff at an acute inpatient psychiatric teaching hospital in the United States. *Canadian Journal of Nursing Research* 13, 844562120904624. DOI: [10.1177/0844562120904624](https://doi.org/10.1177/0844562120904624).
- Lane, S. D. (2020a). Comment on "At-risk drinking and current cannabis use among medical students: a multivariable analysis of the role of personality traits". *Brazilian Journal of Psychiatry* 42, 122–123. DOI: [10.1590/1516-4446-2020-0007](https://doi.org/10.1590/1516-4446-2020-0007).
- Meisch, R. A., Gomez, T. H., and Lane, S. D. (2020). Equal response rates maintained by concurrent drug and nondrug reinforcers: A design for treatment evaluation. *Behavioural Pharmacology* 31, 458–464. DOI: [10.1097/FBP.0000000000000525](https://doi.org/10.1097/FBP.0000000000000525).
- Shahani, L., Glazier, S., Ostrosky, L., Lane, S. D., and Soares, J. C. (2020). Universal SARS-CoV-2 testing versus symptom-based screening and testing in inpatient psychiatric setting. *Psychiatry Research* 293, 113444. DOI: <https://doi.org/10.1016/j.psychres.2020.113444>.

- Snyder, A. D., Zuniga, E., Ma, L., Steinberg, J. L., Woisard, K., Narayana, P. A., Lane, S. D., Schmitz, J. M., and Moeller, F. G. (2020). Examination of behavioral and effective connectivity findings from treatment response to citalopram in cocaine use disorder: a dynamic causal modeling study. *Psychiatry Research: Neuroimaging* 303. DOI: [10.1016/j.psychres.2020.111127](https://doi.org/10.1016/j.psychres.2020.111127).
- Soder, H. E., Berumen, A. M., Gomez, K. E., Green, C. E., Suchting, R., Wardle, M. C., Vincent, J. N., Teixeira, A. L., Schmitz, J. M., and Lane, S. D. (2020a). Elevated neutrophil to lymphocyte ratio in older adults with cocaine use disorder as a marker of chronic inflammation. *Clinical Psychopharmacology and Neuroscience* 18, 32–40. DOI: [10.9758/cpn.2020.18.1.32](https://doi.org/10.9758/cpn.2020.18.1.32).
- Soder, H. E., Cooper, J. A., Lopez-Gamundi, P., Hoots, J. K., Nunez, C., Lawlor, V. M., Lane, S. D., Treadway, M. T., and Wardle, M. C. (2020b). Dose-response effects of d-amphetamine on effort-based decision-making and reinforcement learning. *Neuropsychopharmacology*. DOI: [10.1038/s41386-020-0779-8](https://doi.org/10.1038/s41386-020-0779-8).
- Soder, H. E., Kessler, D., Suchting, R., Yoon, J. H., Green, C. E., Harvin, J. A., Kapoor, S., Heads, A. M., Stotts, A. L., Lane, S. D., and Schmitz, J. M. (2020c). Early pain, stress, and opioid use following traumatic injury. *Journal of Opioid Management* : in press.
- Thomas, T. E., Lane, S. D., Elkhatib, R., Hamilton, J. E., and Pigott, T. A. (2020). Race, history of abuse, and homelessness are associated with forced medication administration during psychiatric inpatient care. *Journal of Psychiatric Practice* 26, 294–304. DOI: [10.1097/PRA.0000000000000485](https://doi.org/10.1097/PRA.0000000000000485).
- Vujanovic, A. A., Smith, L. J., Green, C. E., Lane, S. D., and Schmitz, J. M. (2020). Mindfulness as a predictor of cognitive-behavioral therapy outcomes in inner-city adults with posttraumatic stress and substance dependence. *Addictive Behaviors* 104, 104:106283. DOI: [10.1016/j.addbeh.2019.106283](https://doi.org/10.1016/j.addbeh.2019.106283).
- Yoon, J. H., Suchting, R., Kessler, D., Soder, H. E., Kapoor, S., Stotts, A. L., Heads, A. M., Harvin, J. A., Green, C. E., Lane, S. D., and Schmitz, J. M. (2020). Utility of a brief assessment of opioid demand among post-discharge trauma care patients. *Experimental and Clinical Psychopharmacology*. DOI: [10.1037/pha0000412](https://doi.org/10.1037/pha0000412).
- Beard, C. L., Soder, H. E., Suchting, R., Yoon, J. Y., Hasan, K. M., Narayana, P. A., Moeller, F. G., Schmitz, J. M., and Lane, S. D. (2019). Regional differences in white matter integrity in stimulant use disorders: A meta-analysis of diffusion tensor imaging studies. *Drug and Alcohol Dependence* 201, 29–37. DOI: [10.1016/j.drugalcdep.2019.03.023](https://doi.org/10.1016/j.drugalcdep.2019.03.023).
- Ezeobebe, I. E., McBride, R., Engstrom, A., and Lane, S. D. (2019). Aggression in acute inpatient psychiatric care: A survey of staff attitudes. *Canadian Journal of Nursing Research* 51, 145–153. DOI: [10.1177/0844562118823591](https://doi.org/10.1177/0844562118823591).
- Soder, H. E., Wardle, M. C., Schmitz, J. M., Lane, S. D., Green, C. E., and Vujanovic, A. A. (2019). Baseline resting heart rate variability predicts posttraumatic stress disorder treatment outcomes in adults with co-occurring substance use disorders and posttraumatic stress. *Psychophysiology* 56, e13377. DOI: [10.1111/psyp.13377](https://doi.org/10.1111/psyp.13377).
- Suchting, R., Yoon, J. H., San Miguel, G. G., Green, C. E., Weaver, M. F., Vincent, J. N., Fries, G. R., Schmitz, J. M., and Lane, S. D. (2019a). Preliminary examination of the orexin system on relapse-related factors in cocaine use disorder. *Brain Research* 30:146359. DOI: [10.1016/j.brainres.2019.146359](https://doi.org/10.1016/j.brainres.2019.146359).
- Suchting, R., Vincent, J. N., Lane, S. D., Green, C. E., Schmitz, J. M., and Wardle, M. C. (2019b). Using a data science approach to predict cocaine use frequency from depressive symptoms. *Drug and Alcohol Dependence* 194, 310–317. DOI: [10.1016/j.drugalcdep.2018.10.029](https://doi.org/10.1016/j.drugalcdep.2018.10.029).
- Tannous, J., Mwangi, B., Hasan, K. M., Narayana, P. A., Steinberg, J. L., Walss-Bass, C., Moeller, F. G., Schmitz, J. M., and Lane, S. D. (2019). Measures of possible allostatic load in comorbid cocaine and

- alcohol use disorder: Brain white matter integrity, telomere length, and anti-saccade performance. *PLoS One* 14, e0199729. DOI: [doi:10.1371/journal.pone.0199729](https://doi.org/10.1371/journal.pone.0199729).
- Villarreal, Y. R., Suchting, R., Klawans, M. R., Lane, S. D., Green, C. E., Northrup, T. F., and Stotts, A. L. (2019). Predicting HCV incidence in Latinos with high-risk substance use: A data science approach. *Social Work in Public Health* 34, 606–615. DOI: [10.1080/19371918.2019.1635948](https://doi.org/10.1080/19371918.2019.1635948).
- Yoon, J. H., McKay, S. A., San Miguel, G. G., Suchting, R., Vincent, J. N., Lane, S. D., and Schmitz, J. M. (2019a). Baseline cocaine demand predicts contingency management treatment outcomes for cocaine-use disorder. *Psychology of Addictive Behaviors* 34, 164–174. DOI: [10.1037/adb0000475](https://doi.org/10.1037/adb0000475).
- Yoon, J. H., San Miguel, G. G., Vincent, J. N., Suchting, R., Haliwa, I., Schmitz, J. M., and Lane, S. D. (2019b). Assessing attentional bias and inhibitory control in cannabis use disorder using an eye-tracking paradigm with personalized stimuli. *Experimental and Clinical Psychopharmacology* in press, 00–00. DOI: [doi:10.1037/pha0000274](https://doi.org/10.1037/pha0000274).
- D'Souza, J. M., Wardle, M. C., Green, C., Lane, S. D., Schmitz, J. M., and Vujanovic, A. A. (2018). Resting heart rate variability: Exploring associations with symptom severity in adults with substance use disorders and posttraumatic stress. *Journal of Dual Diagnosis* 15, 1–6. DOI: [10.1080/15504263.2018.1526431](https://doi.org/10.1080/15504263.2018.1526431).
- Fries, G. R., Khan, S., Stamatovich, S., Dyukova, E., Walss-Bass, C., Lane, S. D., Schmitz, J. M., and Wardle, M. C. (2018). Anhedonia in cocaine use disorder is associated with inflammatory gene expression. *PLoS One* 13, e0207231. DOI: [10.1371/journal.pone.0207231](https://doi.org/10.1371/journal.pone.0207231).
- Gowin, J. L., Sloan, M. E., Ramchandani, V. A., Paulus, M. P., and Lane, S. D. (2018). Differences in decision-making as a function of drug of choice. *Pharmacology Biochemistry and Behavior* 164, 118–124. DOI: [10.1016/j.pbb.2017.09.007](https://doi.org/10.1016/j.pbb.2017.09.007).
- Lane, S. D., Costa, S. C. da, Teixeira, A. L., Reynolds, C. F., and Diniz, B. S. (2018). The impact of substance use disorders on clinical outcomes in older-adult psychiatric inpatients. *International Journal of Geriatric Psychiatry* 33, e323–e329. DOI: [10.1002/gps.4799](https://doi.org/10.1002/gps.4799).
- Ma, L., Steinberg, J. L., Cunningham, K. A., Bjork, J. M., Lane, S. D., Schmitz, J. M., Burroughs, T., Narayana, P. A., Kosten, T. R., Bechara, A., and Moeller, F. G. (2018). Altered anterior cingulate cortex to hippocampus effective connectivity in response to drug cues in men with cocaine use disorder. *Psychiatry Research - Neuroimaging* 271, 59–66. DOI: [10.1016/j.pscychresns.2017.10.012](https://doi.org/10.1016/j.pscychresns.2017.10.012).
- Miller, W. R., Fox, R. G., Stutz, S. J., Lane, S. D., Denner, L., Cunningham, K. A., and Dineley, K. T. (2018). PPAR γ agonism attenuates cocaine cue reactivity. *Addiction Biology* 23, 55–68. DOI: [10.1111/adb.12471](https://doi.org/10.1111/adb.12471).
- Suchting, R., Gowin, J. L., Green, C. E., Walss-Bass, C., and Lane, S. D. (2018a). Genetic and psychosocial predictors of aggression: Variable selection and model building with component-wise gradient boosting. *Frontiers in Behavioral Neuroscience* 12, e89. DOI: [10.3389/fnbeh.2018.00089](https://doi.org/10.3389/fnbeh.2018.00089).
- Suchting, R., Green, C. E., Glazier, S. M., and Lane, S. D. (2018b). A data science approach to predicting patient aggressive events in a psychiatric hospital. *Psychiatry Research* 268, 217–222. DOI: [10.1016/j.psychres.2018.07.004](https://doi.org/10.1016/j.psychres.2018.07.004).
- Vujanovic, A. A., Smith, L. J., Green, C. E., Lane, S. D., and Schmitz, J. M. (2018a). Development of a novel, integrated cognitive-behavioral therapy for co-occurring posttraumatic stress and substance use disorders: A pilot randomized clinical trial. *Contemporary Clinical Trials* 65, 123–129. DOI: [10.1016/j.cct.2017.12.013](https://doi.org/10.1016/j.cct.2017.12.013).
- Vujanovic, A. A., Wardle, M. C., Bakhshaie, J., Smith, L. J., Green, C. E., Lane, S. D., and Schmitz, J. M. (2018b). Distress tolerance: Associations with trauma and substance cue reactivity in low-income, inner-city adults with substance use disorders and posttraumatic stress. *Psychology of Addictive Behaviors* 32, 264–276. DOI: [10.1037/adb0000362](https://doi.org/10.1037/adb0000362).

- Lijffijt, M., Lane, S. D., Mathew, S. J., Stanford, M. S., and Swann, A. C. (2017). Heightened early-attentional stimulus orienting and impulsive action in men with antisocial personality disorder. *European Archives of Psychiatry and Clinical Neuroscience* 267, 697–707. DOI: [10.1007/s00406-016-0734-1](https://doi.org/10.1007/s00406-016-0734-1).
- Parsaik, A. K., Abdelgawad, N., Chotalia, J. K., Lane, S. D., and Pigott, T. A. (2017). Early-Life trauma in hospitalized patients with mood disorders and association with clinical outcomes. *Journal of Psychiatric Practice* 23, 36–43. DOI: [10.1097/PRA.000000000000202](https://doi.org/10.1097/PRA.000000000000202).
- Schmitz, J. M., Green, C. E., Hasan, K. M., Vincent, J. N., Suchting, R., Weaver, M. F., Moeller, F. G., Narayana, P. A., Cunningham, K. A., Dineley, K. T., and Lane, S. D. (2017). PPAR-gamma agonist pioglitazone modifies craving intensity and brain white matter integrity in patients with primary cocaine use disorder: A double-blind randomized controlled pilot trial. *Addiction* 112, 1861–1868. DOI: [10.1111/add.13868](https://doi.org/10.1111/add.13868).
- Wardle, M. C., Vincent, J. N., Suchting, R., Green, C. E., Lane, S. D., and Schmitz, J. M. (2017). Anhedonia is associated with poorer outcomes in contingency management for cocaine use disorder. *Journal of Substance Abuse Treatment* 72, 32–39. DOI: [10.1016/j.jsat.2016.08.020](https://doi.org/10.1016/j.jsat.2016.08.020).
- Gan, G., Preston-Campbell, R. N., Moeller, S. J., Steinberg, J. L., Lane, S. D., Maloney, T., Parvaz, M. A., Goldstein, R. Z., and Alia-Klein, N. (2016). Reward vs. retaliation: The role of the mesocorticolimbic salience network in human reactive aggression. *Frontiers in Behavioral Neuroscience* 10, e179. DOI: [10.3389/fnbeh.2016.00179](https://doi.org/10.3389/fnbeh.2016.00179).
- Vujanovic, A. A., Wardle, M. C., Liu, S., Dias, N. R., and Lane, S. D. (2016). Attentional bias in adults with cannabis use disorders. *Journal of Addictive Diseases* 35, 144–153. DOI: [10.1080/10550887.2015.1116354](https://doi.org/10.1080/10550887.2015.1116354).
- Alcorn, J. L., Green, C. E., Schmitz, J., and Lane, S. D. (2015a). Effects of oxytocin on aggressive responding in healthy adult men. *Behavioural Pharmacology* 26, 798–804. DOI: [10.1097/FBP.000000000000173](https://doi.org/10.1097/FBP.000000000000173).
- Alcorn, J. L., Rathnayaka, N., Swann, A. C., Moeller, F. G., and Lane, S. D. (2015b). Effects of intranasal oxytocin on aggressive responding in Antisocial Personality Disorder. *The Psychological Record* 65, 691–703. DOI: [10.1007/s40732-015-0139-y](https://doi.org/10.1007/s40732-015-0139-y).
- Dias, N. R., Schmitz, J. M., Rathnayaka, N., Red, S. D., Sereno, A. B., Moeller, F. G., and Lane, S. D. (2015a). Anti-saccade error rates as a measure of attentional bias in cocaine dependent subjects. *Behavioural Brain Research* 292, 493–499. DOI: [10.1016/j.bbr.2015.07.006](https://doi.org/10.1016/j.bbr.2015.07.006).
- Dias, N. R., Lane, S. D., Rathnayaka, N., Schmitz, J. M., and Green, C. E. (2015b). Demographic and psychological factors associated with lifetime cocaine use: An exploratory factor analysis of baseline questionnaires. *Addictive Disorders and their Treatment* 14, 70–77. DOI: [10.1097/ADT.000000000000046](https://doi.org/10.1097/ADT.000000000000046).
- Hamilton, J. E., Heads, A. M., Cho, R. Y., Lane, S. D., and Soares, J. C. (2015a). Racial disparities during admission to an academic psychiatric hospital in a large urban area. *Comprehensive Psychiatry* 63, 113–122. DOI: [10.1016/j.comppsych.2015.08.010](https://doi.org/10.1016/j.comppsych.2015.08.010).
- Hamilton, K. R., Littlefield, A. K., Anastasio, N. C., Cunningham, K. A., Fink, L. H., Wing, V. C., Mathias, C. W., Lane, S. D., Schütz, C. G., Swann, A. C., Lejuez, C. W., Clark, L., Moeller, F. G., and Potenza, M. N. (2015b). Rapid-response impulsivity: Definitions, measurement issues, and clinical implications. *Personality Disorders: Theory, Research, and Treatment* 6, 168–181. DOI: [10.1037/per0000100](https://doi.org/10.1037/per0000100).
- Hamilton, K. R., Mitchell, M. R., Wing, V. C., Balodis, I. M., Bickel, W. K., Fillmore, M., Lane, S. D., Lejuez, C. W., Littlefield, A. K., Luijten, M., Mathias, C. W., Mitchell, S. H., Napier, T. C., Reynolds, B., Schütz, C. G., Setlow, B., Sher, K. J., Swann, A. C., Tedford, S. E., White, M. J., Winstanley, C. A., Yi, R., Potenza, M. N., and Moeller, F. G. (2015c). Choice impulsivity: Definitions, measurement issues,

- and clinical implications. *Personality Disorders: Theory, Research, and Treatment* 6, 182–198. DOI: [10.1037/per0000099](https://doi.org/10.1037/per0000099).
- Kose, S., Steinberg, J. L., Gerard Moeller, F., Gowin, J. L., Zuniga, E., Kamdar, Z. N., Schmitz, J. M., and Lane, S. D. (2015). Neural correlates of impulsive aggressive behavior in subjects with a history of alcohol dependence. *Behavioral Neuroscience* 129, 183–196. DOI: [10.1037/bne0000038](https://doi.org/10.1037/bne0000038).
- Lijffijt, M., Lane, S. D., Moeller, F. G., Steinberg, J. L., and 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. DOI: [10.1016/j.jpsychires.2014.10.004](https://doi.org/10.1016/j.jpsychires.2014.10.004).
- Liu, S., Maili, L., Lane, S. D., Schmitz, J. M., Spellicy, C. J., Cunningham, K. A., Moeller, F. G., and Nielsen, D. A. (2015). Serotonin transporter gene promoter polymorphism predicts relationship between years of cocaine use and impulsivity. *Psychiatric Genetics* 25, 213–214. DOI: [10.1097/YPG.0000000000000094](https://doi.org/10.1097/YPG.0000000000000094).
- 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., and Moeller, F. G. (2015a). Inhibitory behavioral control: A stochastic dynamic causal modeling study comparing cocaine dependent subjects and controls. *NeuroImage: Clinical* 7, 837–847. DOI: [10.1016/j.nicl.2015.03.015](https://doi.org/10.1016/j.nicl.2015.03.015).
- Ma, L., Steinberg, J. L., Cunningham, K. A., Lane, S. D., Kramer, L. A., Narayana, P. A., Kosten, T. R., Bechara, A., and Moeller, F. G. (2015b). Inhibitory behavioral control: A stochastic dynamic causal modeling study using network discovery analysis. *Brain Connectivity* 5, 177–186. DOI: [10.1089/brain.2014.0275](https://doi.org/10.1089/brain.2014.0275).
- 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., and Cunningham, K. A. (2015). Assessing attentional bias and inhibitory control in cannabis use disorder using an eye-tracking paradigm with personalized stimuli. *Drug and Alcohol Dependence* 156, e181. DOI: [10.1016/j.drugalcdep.2015.07.674](https://doi.org/10.1016/j.drugalcdep.2015.07.674).
- Ramesh, D., Keyser-Marcus, L. A., Ma, L., Schmitz, J. M., Lane, S. D., Marwitz, J. H., Kreutzer, J. S., and Moeller, F. G. (2015). Prevalence of traumatic brain injury in cocaine-dependent research volunteers. *American Journal on Addictions* 24, 341–347. DOI: [10.1111/ajad.12192](https://doi.org/10.1111/ajad.12192).
- 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., and Wagenmakers, E. J. (2015). Data from 617 healthy participants performing the Iowa Gambling Task: A 'many labs' collaboration. *Journal of Open Psychology Data* 3, e5. DOI: <http://dx.doi.org/10.5334/jopd.ak>.
- Wu, H. E., Mohite, S., Ngana, I., Burns, W., Shah, N., Schneider, L., Schmitz, J. M., Lane, S. D., and 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. DOI: [10.1097/NMD.0000000000000231](https://doi.org/10.1097/NMD.0000000000000231).
- Yoon, J. H., Lane, S. D., and Weaver, M. F. (2015). Opioid analgesics and nicotine: More than blowing smoke. *Journal of Pain and Palliative Care Pharmacotherapy* 29, 281–289. DOI: [10.3109/15360288.2015.1063559](https://doi.org/10.3109/15360288.2015.1063559).
- Anastasio, N. C., Liu, S., Maili, L., Swinford, S., Lane, S. D., Fox, R. G., Hamon, S. C., Nielsen, D. A., Cunningham, K. A., and Moeller, F. G. (2014). Variation within the serotonin (5-HT) 5-HT_{2C} receptor system aligns with vulnerability to cocaine cue reactivity. *Translational Psychiatry* 4, e369. DOI: [10.1038/tp.2013.131](https://doi.org/10.1038/tp.2013.131).

- Heads, A. M., Suchting, R., Green, C. E., Schmitz, J. M., Rathnayaka, N., and Lane, S. D. (2014). Family/Social problems as a greater barrier to treatment entry for women than men. *Drug and Alcohol Dependence* 140, e139.
- Lane, S. D., Green, C. E., Schmitz, J. M., Rathnayaka, N., Fang, W. B., Ferre, S., and 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 & Therapy* 5, 176. DOI: [10.4172/2155-6105.1000176](https://doi.org/10.4172/2155-6105.1000176).
- Liu, S., Green, C. E., Lane, S. D., Kosten, T. R., Moeller, F. G., Nielsen, D. A., and Schmitz, J. M. (2014a). The influence of dopamine β -hydroxylase gene polymorphism rs1611115 on levodopa/carbidopa treatment for cocaine dependence: A preliminary study. *Pharmacogenetics and Genomics* 24, 370–373. DOI: [10.1097/FPC.000000000000055](https://doi.org/10.1097/FPC.000000000000055).
- Liu, S., Green, C. E., Lane, S. D., Kosten, T. R., Moeller, F. G., Nielsen, D. A., and Schmitz, J. M. (2014b). The influence of dopamine β -hydroxylase gene polymorphism rs1611115 on levodopa/carbidopa treatment for cocaine dependence: A preliminary study. *Pharmacogenetics and Genomics* 24, 370–373. DOI: [10.1097/FPC.000000000000055](https://doi.org/10.1097/FPC.000000000000055).
- Ma, L., Steinberg, J. L., Lane, S. D., Schmitz, J. M., Green, C. E., Narayana, P. A., Kramer, L. A., and Moeller, F. G. (2014). Assessing attentional bias and inhibitory control in cannabis use disorder using an eye-tracking paradigm with personalized stimuli. *Drug and Alcohol Dependence* 146, e130.
- Rathnayaka, N., Suchting, R., Lane, S. D., Schmitz, J. M., and Green, C. E. (2014). Family/Social problems as a greater barrier to treatment entry for women than men. *Drug and Alcohol Dependence* 140, e76.
- Alcorn, J. L., Gowin, J. L., Green, C. E., Swann, A. C., Moeller, F. G., and Lane, S. D. (2013). Aggression, impulsivity, and psychopathic traits in combined antisocial personality disorder and substance use disorder. *Journal of Neuropsychiatry and Clinical Neurosciences* 25, 229–232. DOI: [10.1176/appi.neuropsych.12030060](https://doi.org/10.1176/appi.neuropsych.12030060).
- Gowin, J. L., Green, C. E., Alcorn, J. L., Swann, A. C., Moeller, F. G., and Lane, S. D. (2013). The role of cortisol and psychopathy in the cycle of violence. *Psychopharmacology* 227, 661–672. DOI: [10.1007/s00213-013-2992-1](https://doi.org/10.1007/s00213-013-2992-1).
- Hasan, K. M., Ma, L., Kramer, L. A., Lane, S. D., Steinberg, J. L., Narayana, P. A., and Moeller, F. G. (2013). Diffusion tensor markers of the neurobiology of cocaine addiction. *Proceedings of the International Society of Magnetic Resonance Medicine* 21, e3659.
- Kollins, S. H., English, J. S., Roley, M. E., O'Brien, B., Blair, J., Lane, S. D., and McClernon, F. J. (2013a). Effects of smoking abstinence on smoking-reinforced responding, withdrawal, and cognition in adults with and without attention deficit hyperactivity disorder. *Psychopharmacology* 227, 19–30. DOI: [10.1007/s00213-012-2937-0](https://doi.org/10.1007/s00213-012-2937-0).
- Kollins, S. H., Schoenfelder, E., English, J. S., McClernon, F. J., Dew, R. E., and Lane, S. D. (2013b). 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. DOI: [10.1037/a0033851](https://doi.org/10.1037/a0033851).
- Liu, S., Lane, S. D., Schmitz, J. M., Cunningham, K. A., John, V. P., and 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. DOI: [10.1177/0269881113492898](https://doi.org/10.1177/0269881113492898).
- Swann, A. C., Lijffijt, M., Lane, S. D., Cox, B., Steinberg, J. L., and Moeller, F. G. (2013a). Norepinephrine and impulsivity: Effects of acute yohimbine. *Psychopharmacology* 229, 83–94. DOI: [10.1007/s00213-013-3088-7](https://doi.org/10.1007/s00213-013-3088-7).

- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., Acas, M. D., Cox, B., and Moeller, F. G. (2013b). Pre-attentive information processing and impulsivity in bipolar disorder. *Journal of Psychiatric Research* 47, 1917–1924. DOI: [10.1016/j.jpsychires.2013.08.018](https://doi.org/10.1016/j.jpsychires.2013.08.018).
- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2013c). 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. DOI: [10.1016/j.jad.2012.06.027](https://doi.org/10.1016/j.jad.2012.06.027).
- Gowin, J. L., Green, C. E., Alcorn, J. L., Swann, A. C., Moeller, F. G., and 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. DOI: [10.1177/0269881111408962](https://doi.org/10.1177/0269881111408962).
- Green, C. E., Schmitz, J. M., Lindsay, J. A., Pedroza, C., Lane, S. D., Agnelli, R., Kjome, K. L., and Moeller, F. G. (2012). The influence of baseline marijuana use on treatment of cocaine dependence: Application of an informative-priors Bayesian approach. *Frontiers in Psychiatry* 3, e92. DOI: [10.3389/fpsy.2012.00092](https://doi.org/10.3389/fpsy.2012.00092).
- Lane, S. D., Green, C. E., Steinberg, J. L., Ma, L., Schmitz, J. M., Rathnayaka, N., Bandak, S. D., Ferre, S., and Moeller, F. G. (2012). Cardiovascular and subjective effects of the novel adenosine A(2A) receptor antagonist SYN115 in cocaine dependent individuals. *Journal of Addiction Research & therapy* 1. DOI: [10.4172/2155-6105.S1-009](https://doi.org/10.4172/2155-6105.S1-009).
- Lijffijt, M., Cox, B., Acas, M. D., Lane, S. D., Moeller, F. G., and Swann, A. C. (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. DOI: [10.1016/j.jpsychires.2012.03.001](https://doi.org/10.1016/j.jpsychires.2012.03.001).
- Liu, S., Lane, S. D., Schmitz, J. M., Green, C. E., Cunningham, K. A., and Moeller, F. G. (2012). Increased intra-individual reaction time variability in cocaine-dependent subjects: Role of cocaine-related cues. *Addictive Behaviors* 37, 193–197. DOI: [10.1016/j.addbeh.2011.10.003](https://doi.org/10.1016/j.addbeh.2011.10.003).
- Moeller, F. G., Steinberg, J. L., Lane, S. D., Kjome, K. L., Ma, L., Ferre, S., Schmitz, J. M., Green, C. E., Bandak, S. I., Renshaw, P. F., Kramer, L. A., and Narayana, P. A. (2012). Increased orbitofrontal brain activation after administration of a selective adenosine A2A antagonist in cocaine dependent subjects. *Frontiers in Psychiatry* 3, e44. DOI: [10.3389/fpsy.2012.00044](https://doi.org/10.3389/fpsy.2012.00044).
- Lane, S. D., Kjome, K. L., and Moeller, F. G. (2011). Neuropsychiatry of aggression. *Neurologic Clinics* 29, 49–64. DOI: [10.1016/j.ncl.2010.10.006](https://doi.org/10.1016/j.ncl.2010.10.006).
- Liu, S., Lane, S. D., Schmitz, J. M., Waters, A. J., Cunningham, K. A., and Moeller, F. G. (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. DOI: [10.3109/00952990.2010.543204](https://doi.org/10.3109/00952990.2010.543204).
- Swann, A. C., Lijffijt, M., Lane, S. D., Kjome, K. L., Steinberg, J. L., and Moeller, F. G. (2011a). Criminal conviction, impulsivity, and course of illness in bipolar disorder. *Bipolar Disorders* 13, 173–181. DOI: [10.1111/j.1399-5618.2011.00900.x](https://doi.org/10.1111/j.1399-5618.2011.00900.x).
- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2011b). Interacting mechanisms of impulsivity in bipolar disorder and antisocial personality disorder. *Journal of Psychiatric Research* 45, 1477–1482. DOI: [10.1016/j.jpsychires.2011.06.009](https://doi.org/10.1016/j.jpsychires.2011.06.009).
- Wittmann, M., Simmons, A. N., Flagan, T., Lane, S. D., Wackermann, J., and Paulus, M. P. (2011). Neural substrates of time perception and impulsivity. *Brain Research* 1406, 43–58. DOI: [10.1016/j.brainres.2011.06.048](https://doi.org/10.1016/j.brainres.2011.06.048).
- Gowin, J. L., Swann, A. C., Moeller, F. G., and Lane, S. D. (2010). Zolmitriptan and human aggression: Interaction with alcohol. *Psychopharmacology* 210, 521–531. DOI: [10.1007/s00213-010-1851-6](https://doi.org/10.1007/s00213-010-1851-6).

- Kjome, K. L., Lane, S. D., Schmitz, J. M., Green, C., Ma, L., Prasla, I., Swann, A. C., and Moeller, F. G. (2010). Relationship between impulsivity and decision making in cocaine dependence. *Psychiatry Research* 178, 299–304. DOI: [10.1016/j.psychres.2009.11.024](https://doi.org/10.1016/j.psychres.2009.11.024).
- Lane, S. D., Steinberg, J. L., Ma, L., Hasan, K. M., Kramer, L. A., Zuniga, E. A., Narayana, P. A., and Moeller, F. G. (2010). Diffusion tensor imaging and decision making in cocaine dependence. *PLoS ONE* 5, e11591. DOI: [10.1371/journal.pone.0011591](https://doi.org/10.1371/journal.pone.0011591).
- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2010). Interactions between bipolar disorder and antisocial personality disorder in trait impulsivity and severity of illness. *Acta Psychiatrica Scandinavica* 121, 453–461. DOI: [10.1111/j.1600-0447.2009.01528.x](https://doi.org/10.1111/j.1600-0447.2009.01528.x).
- Wittmann, M., Lovero, K. L., Lane, S. D., and 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. DOI: [10.1037/a0017252](https://doi.org/10.1037/a0017252).
- Green, C. E., Moeller, F. G., Schmitz, J. M., Lucke, J. F., Lane, S. D., Swann, A. C., Lasky, R. E., and 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. DOI: [10.1080/00952990802647503](https://doi.org/10.1080/00952990802647503).
- Lane, S. D. and Gowin, J. L. (2009). GABAergic modulation of human social interaction in a prisoner's dilemma model by acute administration of alprazolam. *Behavioural Pharmacology* 20, 657–661. DOI: [10.1097/FBP.0b013e32832ec62b](https://doi.org/10.1097/FBP.0b013e32832ec62b).
- Lane, S. D., Gowin, J. L., Green, C. E., Steinberg, J. L., Moeller, F. G., and Cherek, D. R. (2009). Acute topiramate differentially affects human aggressive responding at low vs. moderate doses in subjects with histories of substance abuse and antisocial behavior. *Pharmacology Biochemistry and Behavior* 92, 357–362. DOI: [10.1016/j.pbb.2009.01.002](https://doi.org/10.1016/j.pbb.2009.01.002).
- Lijffijt, M., Moeller, F. G., Boutros, N. N., Burroughs, S., Steinberg, J. L., Lane, S. D., and Swann, A. C. (2009a). A pilot study revealing impaired P50 gating in antisocial personality disorder. *Journal of Neuropsychiatry* 21, 328–331. DOI: [10.1176/appi.neuropsych.21.3.328](https://doi.org/10.1176/appi.neuropsych.21.3.328).
- Lijffijt, M., Lane, S. D., Meier, S. L., Boutros, N. N., Burroughs, S., Steinberg, J. L., Gerard Moeller, F., and Swann, A. C. (2009b). P50, N100, and P200 sensory gating: Relationships with behavioral inhibition, attention, and working memory. *Psychophysiology* 46, 1059–1068. DOI: [10.1111/j.1469-8986.2009.00845.x](https://doi.org/10.1111/j.1469-8986.2009.00845.x).
- Lijffijt, M., Moeller, F. G., Boutros, N. N., Burroughs, S., Lane, S. D., Steinberg, J. L., and Swann, A. C. (2009c). The role of age, gender, education and intelligence in P50, N100 and P200 auditory sensory gating. *Journal of Psychophysiology* 23, 52–62. DOI: [10.1027/0269-8803.23.2.52](https://doi.org/10.1027/0269-8803.23.2.52).
- Lijffijt, M., Moeller, F. G., Boutros, N. N., Steinberg, J. L., Meier, S. L., Lane, S. D., and Swann, A. C. (2009d). Diminished P50, N100 and P200 auditory sensory gating in bipolar I disorder. *Psychiatry Research* 167, 191–201. DOI: [10.1016/j.psychres.2008.04.001](https://doi.org/10.1016/j.psychres.2008.04.001).
- Ma, L., Hasan, K. M., Steinberg, J. L., Narayana, P. A., Lane, S. D., Zuniga, E. A., Kramer, L. A., and 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. DOI: [10.1016/j.drugalcdep.2009.05.020](https://doi.org/10.1016/j.drugalcdep.2009.05.020).
- Schmitz, J. M., Mooney, M. E., Green, C. E., Lane, S. D., Steinberg, J. L., Swann, A. C., and Moeller, F. G. (2009). Baseline neurocognitive profiles differentiate abstainers and non-abstainers in a cocaine clinical trial. *Journal of Addictive Diseases* 28, 250–257. DOI: [10.1080/10550880903028502](https://doi.org/10.1080/10550880903028502).

- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2009a). Increased trait-like impulsivity and course of illness in bipolar disorder. *Bipolar disorders* 11, 280–281. DOI: [10.1111/j.1399-5618.2009.00678.x](https://doi.org/10.1111/j.1399-5618.2009.00678.x).
- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2009b). Severity of bipolar disorder is associated with impairment of response inhibition. *Journal of Affective Disorders* 116, 30–36. DOI: [10.1016/j.jad.2008.10.022](https://doi.org/10.1016/j.jad.2008.10.022).
- Swann, A. C., Lijffijt, M., Lane, S. D., Steinberg, J. L., and Moeller, F. G. (2009c). Trait impulsivity and response inhibition in antisocial personality disorder. *Journal of Psychiatric Research* 43, 1057–1063. DOI: [10.1016/j.jpsychires.2009.03.003](https://doi.org/10.1016/j.jpsychires.2009.03.003).
- Lane, S. D., Cherek, D. R., and Nouvion, S. O. (2008). Modulation of human risky decision making by flunitrazepam. *Psychopharmacology* 196, 177–188. DOI: [10.1007/s00213-007-0951-4](https://doi.org/10.1007/s00213-007-0951-4).
- Lieving, L. M., Cherek, D. R., Lane, S. D., Tcheremissine, O. V., and Nouvion, S. O. (2008). Effects of acute tiagabine administration on aggressive responses of adult male parolees. *Journal of Psychopharmacology* 22, 144–152. DOI: [10.1177/0269881107078489](https://doi.org/10.1177/0269881107078489).
- Lane, S. D., Cherek, D. R., Tcheremissine, O. V., Steinberg, J. L., and Sharon, J. L. (2007a). Response perseveration and adaptation in heavy marijuana-smoking adolescents. *Addictive Behaviors* 32, 977–990. DOI: [10.1016/j.addbeh.2006.07.007](https://doi.org/10.1016/j.addbeh.2006.07.007).
- Lane, S. D., Moeller, F. G., Steinberg, J. L., Buzby, M., and Kosten, T. R. (2007b). Performance of cocaine dependent individuals and controls on a response inhibition task with varying levels of difficulty. *The American Journal of Drug and Alcohol Abuse* 33, 717–726. DOI: [10.1080/00952990701522724](https://doi.org/10.1080/00952990701522724).
- Moeller, F. G., Steinberg, J. L., Lane, S. D., Buzby, M., Swann, A. C., Hasan, K. M., Kramer, L. A., and 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. DOI: [10.1080/00952990701651564](https://doi.org/10.1080/00952990701651564).
- Nouvion, S. O., Cherek, D. R., Lane, S. D., Tcheremissine, O. V., and Lieving, L. M. (2007). Human proactive aggression: Association with personality disorders and psychopathy. *Aggressive Behavior* 33, 552–562. DOI: [10.1002/ab.20220](https://doi.org/10.1002/ab.20220).
- Kelly, T. H., Robbins, G., Martin, C. A., Fillmore, M. T., Lane, S. D., Harrington, N. G., and Rush, C. R. (2006). Individual differences in drug abuse vulnerability: D-amphetamine and sensation-seeking status. *Psychopharmacology* 189, 17–25. DOI: [10.1007/s00213-006-0487-z](https://doi.org/10.1007/s00213-006-0487-z).
- Lane, S. D., Yechiam, E., and 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. DOI: [10.1037/1064-1297.14.2.254](https://doi.org/10.1037/1064-1297.14.2.254).
- Lieving, L. M., Lane, S. D., Cherek, D. R., and Tcheremissine, O. V. (2006a). Effects of delays on human performance on a temporal discrimination procedure: Evidence of a choose-short effect. *Behavioural Processes* 71, 135–143. DOI: [10.1016/j.beproc.2005.10.002](https://doi.org/10.1016/j.beproc.2005.10.002).
- Lieving, L. M., Lane, S. D., Cherek, D. R., and Tcheremissine, O. V. (2006b). Effects of marijuana on temporal discriminations in humans. *Behavioural Pharmacology* 17, 173–183. DOI: [10.1097/01.fbp.0000197458.08892.fc](https://doi.org/10.1097/01.fbp.0000197458.08892.fc).
- Pietras, C. J., Cherek, D. R., Lane, S. D., and Tcheremissine, O. V. (2006). Risk reduction and resource pooling. *The Psychological Record* 56, 387–410.
- Lane, S. D., Cherek, D. R., Lieving, L. M., and Tcheremissine, O. V. (2005a). Marijuana effects on human forgetting functions. *J Exp Anal Behav* 83, 67–83. DOI: [10.1901/jeab.2005.22-04](https://doi.org/10.1901/jeab.2005.22-04).

- Lane, S. D., Cherek, D. R., Pietras, C. J., and Steinberg, J. L. (2005b). Performance of heavy marijuana-smoking adolescents on a laboratory measure of motivation. *Addictive Behaviors* 30, 815–828. DOI: [10.1016/j.addbeh.2004.08.026](https://doi.org/10.1016/j.addbeh.2004.08.026).
- Lane, S. D., Cherek, D. R., Tcheremissine, O. V., Liewing, L. M., and Pietras, C. J. (2005c). Acute marijuana effects on human risk taking. *Neuropsychopharmacology* 30, 800–809. DOI: [10.1038/sj.npp.1300620](https://doi.org/10.1038/sj.npp.1300620).
- Lane, S. D., Tcheremissine, O. V., Liewing, L. M., Nouvion, S., and Cherek, D. R. (2005d). Acute effects of alprazolam on risky decision making in humans. *Psychopharmacology* 181, 364–373. DOI: [10.1007/s00213-005-2265-8](https://doi.org/10.1007/s00213-005-2265-8).
- Pietras, C. J., Liewing, L. M., Cherek, D. R., Lane, S. D., Tcheremissine, O. V., and Nouvion, S. (2005). Acute effects of lorazepam on laboratory measures of aggressive and escape responses of adult male parolees. *Behavioural Pharmacology* 16, 243–251. DOI: [10.1097/01.fbp.0000170910.53415.77](https://doi.org/10.1097/01.fbp.0000170910.53415.77).
- Tcheremissine, O. V., Lane, S. D., Liewing, L. M., Rhoades, H. M., Nouvion, S., and Cherek, D. R. (2005). Individual differences in aggressive responding to intravenous flumazenil administration in adult male parolees. *Journal of Psychopharmacology* 19, 640–646. DOI: [10.1177/0269881105056532](https://doi.org/10.1177/0269881105056532).
- Cherek, D. R., Tcheremissine, O. V., Lane, S. D., and 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. DOI: [10.1007/s00213-003-1590-z](https://doi.org/10.1007/s00213-003-1590-z).
- Lane, S. D., Cherek, D. R., Pietras, C. J., and Tcheremissine, O. V. (2004a). Acute marijuana effects on response-reinforcer relations under multiple variable-interval schedules. *Behavioural Pharmacology* 15, 305–309. DOI: [10.1097/01.fbp.0000135003.80318.97](https://doi.org/10.1097/01.fbp.0000135003.80318.97).
- Lane, S. D., Cherek, D. R., Pietras, C. J., and Tcheremissine, O. V. (2004b). Alcohol effects on human risk taking. *Psychopharmacology* 172, 68–77. DOI: [10.1007/s00213-003-1628-2](https://doi.org/10.1007/s00213-003-1628-2).
- Matthews, S. C., Simmons, A. N., Lane, S. D., and Paulus, M. P. (2004). Selective activation of the nucleus accumbens during risk-taking decision making. *NeuroReport* 15, 2123–2127. DOI: [10.1097/00001756-200409150-00025](https://doi.org/10.1097/00001756-200409150-00025).
- Tcheremissine, O. V., Cherek, D. R., and Lane, S. D. (2004). Psychopharmacology of conduct disorder: current progress and future directions. *Expert Opinion on Pharmacotherapy* 5, 1109–1116. DOI: [10.1517/eoph.5.5.1109.31091](https://doi.org/10.1517/eoph.5.5.1109.31091).
- Lane, S. D., Cherek, D. R., Pietras, C. J., and Tcheremissine, O. V. (2003a). Measurement of delay discounting using trial-by-trial consequences. *Behavioural Processes* 64, 287–303. DOI: [10.1016/S0376-6357\(03\)00143-8](https://doi.org/10.1016/S0376-6357(03)00143-8).
- Lane, S. D., Cherek, D. R., Rhoades, H. M., Pietras, C. J., and Tcheremissine, O. V. (2003b). Relationships among laboratory and psychometric measures of impulsivity: Implications in substance abuse and dependence. *Addictive Disorders and their Treatment* 2, 33–40. DOI: [10.1097/00132576-200302020-00001](https://doi.org/10.1097/00132576-200302020-00001).
- Pietras, C. J., Cherek, D. R., Lane, S. D., Tcheremissine, O. V., and Steinberg, J. L. (2003). Effects of methylphenidate on impulsive choice in adult humans. *Psychopharmacology* 170, 390–398. DOI: [10.1007/s00213-003-1547-2](https://doi.org/10.1007/s00213-003-1547-2).
- Tcheremissine, O. V., Lane, S. D., Cherek, D. R., and Pietras, C. J. (2003). Impulsiveness and other personality dimensions in substance use disorders and conduct disorder. *Addictive Disorders and their Treatment* 2, 1–7. DOI: [10.1097/00132576-200302010-00001](https://doi.org/10.1097/00132576-200302010-00001).

- Cherek, D. R., Lane, S. D., and Dougherty, D. M. (2002). Possible amotivational effects following marijuana smoking under laboratory conditions. *Experimental and Clinical Psychopharmacology* 10, 26–38. DOI: [10.1037/1064-1297.10.1.26](https://doi.org/10.1037/1064-1297.10.1.26).
- Cherek, D. R., Lane, S. D., Pietras, C. J., Sharon, J., and Steinberg, J. L. (2002a). Acute effects of baclofen, a γ -aminobutyric acid-B agonist, on laboratory measures of aggressive and escape responses of adult male parolees with and without a history of conduct disorder. *Psychopharmacology* 164, 160–167. DOI: [10.1007/s00213-002-1167-2](https://doi.org/10.1007/s00213-002-1167-2).
- Cherek, D. R., Lane, S. D., Pietras, C. J., and Steinberg, J. L. (2002b). Effects of chronic paroxetine administration on measures of aggressive and impulsive responses of adult males with a history of conduct disorder. *Psychopharmacology* 159, 266–274. DOI: [10.1007/s002130100915](https://doi.org/10.1007/s002130100915).
- Lane, S. D. and Cherek, D. R. (2002). Marijuana effects on sensitivity to reinforcement in humans. *Neuropsychopharmacology* 26, 520–529. DOI: [10.1016/S0893-133X\(01\)00375-X](https://doi.org/10.1016/S0893-133X(01)00375-X).
- Cherek, D. R. and Lane, S. D. (2001a). Acute effects of D-fenfluramine on simultaneous measures of aggressive escape and impulsive responses of adult males with and without a history of conduct disorder. *Psychopharmacology* 157, 221–227. DOI: [10.1007/s002130100812](https://doi.org/10.1007/s002130100812).
- Lane, S. D. and Cherek, D. R. (2001). Risk taking by adolescents with maladaptive behavior histories. *Experimental and Clinical Psychopharmacology* 9, 74–82. DOI: [10.1037/1064-1297.9.1.74](https://doi.org/10.1037/1064-1297.9.1.74).
- Cherek, D. R., Lane, S. D., Dougherty, D. M., Moeller, F. G., and White, S. (2000). Laboratory and questionnaire measures of aggression among female parolees with violent or nonviolent histories. *Aggressive Behavior* 26, 291–307. DOI: [10.1002/1098-2337\(2000\)26:4<291::AID-AB2>3.0.CO;2-9](https://doi.org/10.1002/1098-2337(2000)26:4<291::AID-AB2>3.0.CO;2-9).
- Cherek, D. and Lane, S. (2000). Fenfluramine effects on impulsivity in a sample of adults with and without history of conduct disorder. *Psychopharmacology* 152, 149–156. DOI: [10.1007/s002130000530](https://doi.org/10.1007/s002130000530).
- Lane, S. D. and Cherek, D. R. (2000b). Analysis of risk taking in adults with a history of high risk behavior. *Drug and Alcohol Dependence* 60, 179–187. DOI: [10.1016/S0376-8716\(99\)00155-6](https://doi.org/10.1016/S0376-8716(99)00155-6).
- Lane, S. D. and Cherek, D. R. (2000c). Risk aversion in human subjects under conditions of probabilistic reward. *The Psychological Record* 50, 221–234. DOI: [10.1007/BF03395353](https://doi.org/10.1007/BF03395353).
- Cherek, D. R. and Lane, S. D. (1999a). Effects of d,l-fenfluramine on aggressive and impulsive responding in adult males with a history of conduct disorder. *Psychopharmacology* 146, 473–481. DOI: [10.1007/PL00005493](https://doi.org/10.1007/PL00005493).
- Cherek, D. R. and Lane, S. D. (1999b). Laboratory and psychometric measurements of impulsivity among violent and nonviolent female parolees. *Biological Psychiatry* 46, 273–280. DOI: [10.1016/S0006-3223\(98\)00309-6](https://doi.org/10.1016/S0006-3223(98)00309-6).
- Cherek, D. R., Moeller, F. G., Khan-Dawood, F., Swann, A., and Lane, S. D. (1999). Prolactin response to buspirone was reduced in violent compared to nonviolent parolees. *Psychopharmacology* 142, 144–148. DOI: [10.1007/s002130050873](https://doi.org/10.1007/s002130050873).
- Huang, D. B., Cherek, D. R., and Lane, S. D. (1999). Laboratory measurement of aggression in high school age athletes: Provocation in a nonsporting context. *Psychological Reports* 85, 1251–1262. DOI: [10.2466/pr0.1999.85.3f.1251](https://doi.org/10.2466/pr0.1999.85.3f.1251).
- Lane, S. D. and Cherek, D. R. (1999). Decision under conditions of risk: Exploring some parameters and quantitative models. *Experimental Analysis of Human Behavior Bulletin* 17, 15–19.
- Dougherty, D. M., Cherek, D. R., and Lane, S. D. (1998). Aggressive responding in the laboratory maintained by the initiation of a provocation-free interval. *The Psychological Record* 48, 591–600.

- Innis, A., Lane, S. D., Miller, E. R., and Critchfield, T. S. (1998). Stimulus equivalence: Effects of a default-response option on the emergence of untrained stimulus relations. *Journal of the Experimental Analysis of Behavior* 70, 87–102. DOI: [10.1901/jeab.1998.70-87](https://doi.org/10.1901/jeab.1998.70-87).
- Lane, S.D. and Critchfield, T.S. (1998a). Classification of vowels and consonants by individuals with moderate mental retardation: development of arbitrary relations via match-to-sample training with compound stimuli. *Journal of Applied Behavior Analysis* 31, 21–41. DOI: [10.1901/jaba.1998.31-21](https://doi.org/10.1901/jaba.1998.31-21).
- Lane, S.D. and Critchfield, T.S. (1998b). 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., and Critchfield, T. S. (1998a). Preliminary evidence for cross-model generalized equivalence classes. *Mexican Journal of Behavior Analysis* 24, 311–337.
- Lane, S. D., Cherek, D. R., Dougherty, D. M., and Moeller, F. G. (1998b). Laboratory measurement of adaptive behavior change in humans with a history of substance dependence. *Drug and Alcohol Dependence* 51, 239–252. DOI: [10.1016/S0376-8716\(98\)00045-3](https://doi.org/10.1016/S0376-8716(98)00045-3).
- Lane, S. D., Clow, J. K., Innis, A., and Critchfield, T. S. (1998c). Generalization of cross-modal stimulus equivalence classes: operant processes as components in human category formation. *Journal of Applied Behavior Analysis* 70, 267–279. DOI: [10.1901/jeab.1998.70-267](https://doi.org/10.1901/jeab.1998.70-267).
- Moeller, F. G., Allen, T., Cherek, D. R., Dougherty, D. M., Lane, S. D., and Swann, A. C. (1998a). Ipsapirone neuroendocrine challenge: Relationship to aggression as measured in the human laboratory. *Psychiatry Research* 81, 31–38. DOI: [10.1016/S0165-1781\(98\)00081-X](https://doi.org/10.1016/S0165-1781(98)00081-X).
- Moeller, F. G., Dougherty, D. M., Lane, S. D., Steinberg, J. L., and Cherek, D. R. (1998b). Antisocial personality disorder and alcohol-induced aggression. *Alcoholism: Clinical and Experimental Research* 22, 1898–1902. DOI: [10.1097/0000374-199812000-00003](https://doi.org/10.1097/0000374-199812000-00003).
- Kollins, S. H., Lane, S. D., and Shapiro, S. K. (1997). Experimental analysis of childhood psychopathology: A laboratory matching analysis of the behavior of children diagnosed with ADHD. *The Psychological Record* 47, 25–44. DOI: [10.1177/108705479700200312](https://doi.org/10.1177/108705479700200312).
- Lane, S. D. and Critchfield, T. S. (1996). Verbal self-reports of emergent relations in a stimulus equivalence procedure. *Journal of the Experimental Analysis of Behavior* 65, 355–374. DOI: [10.1901/jeab.1996.65-355](https://doi.org/10.1901/jeab.1996.65-355).

Book Chapters

- Schmitz, J. M., Wardle, M. C., Weaver, M. C., Heads, A. M., Yoon, J. H., and Lane, S. D. (2019). *Pharmacological treatment of psychostimulant disorders*. In: *APA Handbook of Psychopharmacology*. Ed. by S. M. Evans and K. M. Carpenter. Washington, DC: American Psychological Association Press.
- Salem, H., Lane, S. D., and Teixeira, A. L. (2018). *Immunology of substance use disorders*. In: *Immunopsychiatry: A Clinician's Introduction to the Immune Basis of Mental Disorders*. Ed. by M. E. Bauer and A. L. Teixeira. Oxford, UK: Oxford University Press.
- Wardle, M. C., Yoon, J. H., Vujanovic, A. A., Weaver, M. F., Lane, S. D., and Schmitz, J. M. (2016). *Behavioral mechanisms in addiction*. In: *Neurobiology of Addictions*. Ed. by M. L. A. C. Swann F. G. Moeller. Oxford, UK: Oxford University Press.
- Cherek, D. R., Tcheremissine, O. V., and Lane, S. D. (2005). *Psychopharmacology of human aggression: Laboratory and clinical studies*. In: *Biology of Aggression*. Ed. by R. J. Nelson. Oxford, UK: Oxford University Press.

- Cherek, D. R. and Lane, S. D. (2003). *Laboratory measures: Point Subtraction Aggression Paradigm (PSAP)*. In: *Aggression: Psychiatric assessment and treatment*. Ed. by E. F. Coccaro. New York, NY: Marcel Dekker.
- Cherek, D. R. and Lane, S. D. (2001b). *Effects of 5-HT and GABA agents on aggressive responding of adult males with a history of childhood conduct disorder*. In: *Prevention and Control of Aggression and the Impact on Victims*. Ed. by M. Martinez. New York, NY: Kluwer Academic/Plenum.
- Lane, S. D. and Cherek, D. R. (2000a). *Biological and behavioral investigation of aggression and impulsivity*. In: *The Science Treatment and Prevention of Antisocial Behavior: Applications to the Criminal Justice System*. Ed. by D. H. Fishbein. Kingston, NJ: Civic Research Institute.

Invited Presentations

- Lane, S. D. (2021). *New Directions in Pharmacotherapy for Psychostimulant Use Disorder*. Atrium Behavioral Health, Carolinas Medical Center, virtual: March, 2021.
- Lane, S. D. (2020b). *The Orexin System at the Interface of Sleep and Stimulant Use Disorders*. Insomnia, Substance Use Disorders, and Alcohol Use Disorder Forum, Merck & Co., virtual: December, 2020.
- Lane, S. D. (2019). *Reducing the Allostatic Load Burden of Stimulant Use Disorder: Relapse Prevention Approaches*. Merck & Co., Inc., West Point, PA. September, 2019.
- Lane, S. D. (2018a). *Biobehavioral Indicators of Stress and Allostatic Load in Substance Use Disorders*. Institute of Psychology, Chinese National Academy of Sciences, Beijing, China. September, 2018.
- Lane, S. D. (2018b). *The Role Of Orexin Receptor System in Psychostimulant Use Disorder: Stress, Sleep and Drug Cue Reactivity*. Annual Meeting of the Chinese Psychiatric Association. Shenyang, China. September, 2018.
- Lane, S. D. (2017). *Drugs of Abuse, Stress, and Neurotoxicity*. SEARCH Homeless Service Organization, Houston, TX. March, 2017.
- Lane, S. D. (2016). *Laboratory Behavior and Neuroimaging Outcomes in Pioglitazone-treated Subjects with Cocaine Use Disorder*. National Institute on Drug Abuse, Bethesda, MD. April, 2016.
- Lane, S. D. (2015). *Stress, Neurotoxicity, and Cocaine*. University of Texas Medical Branch. Galveston, TX. November, 2015.
- Lane, S. D. (2014). *Attentional Bias to Drug Cues: Role in Substance Abuse and Relapse*. University of Kentucky Medical School. Lexington, KY: April, 2014.
- Lane, S. D. (2013a). *Cue Reactivity and Attentional Bias in Substance Use Disorders*. Duke University Medical School. Durham, NC: January 2013.
- Lane, S. D. (2013b). *The Role of Cue Reactivity and Attentional Bias in Addiction*. UTHealth Psychiatry Update. Houston, TX: February, 2013.
- Lane, S. D. (2012). *Neuropsychiatry of Impulsivity and Aggression in Drug-Dependent Humans*. Meeting of the Society for Social Neuroscience. New Orleans, LA: October, 2012.
- Lane, S. D. (2011). *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. (2010a). *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. (2010b). *Human Decision Making: Neurobiology of Acute and Chronic Effects of Abused Drugs*. Texas A&M University, College Station, TX: October, 2010.
- Lane, S. D. (2008a). *Human Aggression: Psychiatry, Psychopathology, and Psychopharmacology*. Carolina College of Health Sciences / Carolina Health Systems. Charlotte, NC: April 2008.
- Lane, S. D. (2008b). *Human Aggression: Psychiatry, Psychopharmacology, and Neuroscience*. Duke University Medical School. Durham, NC: April 2008.
- Lane, S. D. (2007a). *A Blunt Report: Marijuana Effects on Human Behavioral Processes*. Southeast Association for Behavior Analysis. Athens, GA: October, 2007.
- Lane, S. D. (2007b). *Factors Influencing Risky Decision Making in Humans*. Fellows address, APA annual convention. San Francisco, CA: August, 2007.
- Lane, S. D. (2006). *Biobehavioral Mechanisms in Risky and Social Decision Processes*. University of Arkansas Medical School. Little Rock, AR: February, 2006.
- Lane, S. D. (2005). *GABAergic Modulation of Risky/Impulsive Decision Making*. Meeting of the International Society for Research on Impulsivity. Washington, DC: November, 2005.
- Lane, S. D. (2004a). *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. (2004b). *Some Effects of Marijuana on Basic Behavioral Processes in Humans*. CUNY / Queens College. New York, NY: December, 2004.
- Lane, S. D. (2002a). *Human Risk Taking: Psychopathology and Psychopharmacology*. University of Colorado Health Science Center. Denver, CO: August, 2002.
- Lane, S. D. (2002b). *Psychopharmacology and Maladaptive Behavior*. Distinguished Alumni Presentation, Auburn University Research Symposium. Auburn, AL: November, 2002.
- Lane, S. D. (2001). *Human Risk Taking: Effects of Behavioral History and Disinhibitory Drugs of Abuse*. Wyeth-Ayerst Young Psychopharmacologist Award Presentation. San Francisco, CA: August, 2001.

General Conference Presentations

- Schmitz, J.M., Green, C.E., Suchting, R., de Dios, C., Vincent, J.N., Lane, S.D., Moeller, F.G. Citalopram for treatment of cocaine use disorder: A Bayesian drop-the-loser randomized clinical trial. College on Problems of Drug Dependence. Virtual: 2021.
- Cohen, A., Jeong, J., Hinojosa, E., Schmitz, J.M., Spellman, M., Lane, S.D., Stotts, A.M., Walss-Bass, C., de Dios, C., Savitz, S.I., Sharrief, A. Assessing illicit drug use in the follow-up care of stroke survivors. College on Problems of Drug Dependence. Virtual: 2021.
- Webber, H.E., Kessler, D., Lathan, E., Wardel, M.C., Green, C.E., Schmitz, J.M., Lane, S.D., Versace, F., Vujanovic, A.A. Post-Traumatic Stress Disorder symptom clusters are differentially associated with brain reactivity to cocaine cues. College on Problems of Drug Dependence. Virtual: 2021.

Hoots, J., Yoon, J.H., Lane, S.D., Schmitz, J.M., Wardle, M.C. Now or later? Depression, anhedonia, and decision-making in cocaine use disorder. College on Problems of Drug Dependence. Virtual: 2021.

Suchting, R., Green, C.E., Soder, H.E., Vincent, J.N., Moeller, F.G., Lane, S.D., Schmitz, J.M. Combining dopamine agents to enhance cognition and reduce cocaine use: A randomized clinical trial of levodopa and ropinirole. College on Problems of Drug Dependence. Hollywood, FL: 2020.

Smith, L. J., Green, C., Lane, S. D., Schmitz, J. M. Vujanovic, A. A. (2020, June). Sleep disturbance as a predictor of cognitive-behavioral therapy outcomes in inner-city adults with posttraumatic stress and substance use disorders. College on Problems of Drug Dependence Meeting, Hollywood, FL: 2020

Wardle, M.C., Soder, H.E., Lopez-Gamundi, P., Cooper, J.A., Lane, S.D., Treadway, M.T. Effects of amphetamine on motivation for reward in human "Workers" vs. "Slackers". American College of Neuropsychopharmacology. Orlando, FL: December, 2019.

Suchting, R., Yoon, J.H., San Miguel, G., Vincent, J.N., Wardle, M.C., Heads, A.M., Weaver, M.F., Green, C.E., Schmitz, J.M., Lane, S.D. The orexin system in the attenuation of relapse-related mechanisms in cocaine use disorder. College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Soder, H.E., Schmitz, J.M., Green, C.E., Versace, F., Lane, S.D. The late positive potential (LPP) as a marker of motivated attention in cocaine use disorder (CUD). College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Berumen, A., Gomez, K., Wardle, M.C., Suchting, R., Soder, H.E., Vincent, J.N., Yoon, J.H., Heads, A.M., Weaver, M.F., Green, C.E., Schmitz, J.M., Lane, S.D. Elevated neutrophil to lymphocyte ratio (NLR) in cocaine use disorder as a marker of chronic inflammation. College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Heads, A.M., Kapoor, S., Schmitz, J.M., Green, C.E., Stotts, A.L., Lane, S.D., Yoon, J.H., Harvin, J.A. Continued opioid use and risk for misuse in a sample of post-injury surgical patients. College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Kapoor, S. Schmitz, J.M., Heads, A.M., Green, C.E., Stotts, A.L., Lane, S.D., Harvin, J.A. Opioid misuse risk assessment in patients undergoing surgery following traumatic injury. College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Yoon, J.H., Schmitz, J.S., Lane, S.D., San Miguel, G., Jensen, S., Vincent, J.N., Vujanovic, A.A., Stotts, A.L., Weaver, M.F., Suchting, R. The relative contribution of behavioral economic measures in predicting cocaine severity and treatment response. College on Problems of Drug Dependence. San Antonio, TX: June, 2019.

Hernandez S.K., Beasley S., Salem H., Ruiz A.C., Taing M.L., Allen M., Lane S.D., Pigott, T.A. Specifying the "Not Otherwise Specified" The ability of screening tools to differentiate bipolar subgroups in an inpatient population. American Psychiatric Association Annual Meeting. Chicago: IL, 2019.

Berumen, A., Gomez, K., Green, C.E., Wardle, C.M., Schmitz, J.M., Lane, S.D. Elevated neutrophil to lymphocyte ratio (NLR) in cocaine use disorder (CUD) as a marker of chronic inflammation and accelerated aging. International Society for Affective Disorders. Houston, TX: September, 2018.

Gomez, K., Berumen, A., Green, C.E. Lane, S.D., Schmitz, J.M., Wardle, C.M. Trauma, inflamma-

tion, and anhedonia in cocaine use disorder. International Society for Affective Disorders. Houston, TX: September, 2018.

Hamilton, J.E., Lokesh, R.S., Bernstam, E.V., Allen, M.K., Lane, S.D., Selek, S. Higher Prevalence of Cocaine Abuse Among HIV Infected Inpatients in a Psychiatric Hospital. International Society for Affective Disorders. Houston, TX: September, 2018.

Wardle, M.C., Suchting, R., Vincent, J., Lane, S.D., Schmitz, J.M. Anhedonic symptoms of depression are related to cocaine use severity: A machine learning approach. College on Problems of Drug Dependence. San Diego, CA: June, 2018.

Stamatovich, S., Stertz, L., Walss-Bass, C., Lane, S.D., Green, C.E., Schmitz, J.M., Wardle, M.C. Immune functioning markers relate to cognitive abilities in individuals with cocaine use disorder. College on Problems of Drug Dependence. San Diego, CA: June, 2018.

Da Costa, S.C., Teixeira, A.L., Diniz, B.S., Lane, S.D. Psychiatric and non-psychiatric implications of substance use disorders in older adults. American Society for Clinical Psychopharmacology. Miami, FL: May, 2018.

Smith, L. J., Bartlett, B. A., Green, C. E., Lane, S. D., Schmitz, J. M., Vujanovic, A. A. Mindfulness as predictor of cognitive-behavioral therapy outcomes in inner-city adults with posttraumatic stress and substance dependence. Anxiety and Depression Association of America Convention, Washington, D.C: April, 2018.

Khan, S., Fries, G.R., Dyukova, E., Walss-Bass, C., Lane, S.D., Schmitz, J.M., Wardle, M.C. Gene expression changes associated with anhedonia in cocaine use disorder. American College of Neuropsychopharmacology. Palm Springs, CA: December, 2017.

Yoon, J.H., Haliwa, I., Vincent, J., Suchting, R., Schmitz, J.L., Lane, S.D. Eye-tracking-based measures of inhibitory control and attentional bias in marijuana SUD and control subjects. College on Problems of Drug Dependence. Montreal, Canada: June, 2017.

Da Costa, S.C., Teixeira, A.L., Diniz, B.S., Lane, S.D. The impact of substance use disorders late in life. Society on Biological Psychiatry. San Diego, CA: May, 2017.

Da Costa, S.C., Lane, S.D. The impact of cocaine use disorders in cognitive functioning late in life. American Psychiatric Association Annual Meeting. San Diego, CA: May, 2017.

Khan, S., Fries, G., Dyukova, E., Walss-Bass, C., Lane, S.D., Schmitz, J.M., Wardle, M.C. Preliminary assessment of inflammatory gene expression in individuals with cocaine use disorder and anhedonia. American College of Neuropsychopharmacology. Hollywood, FL: Dec, 2016.

Moeller, F.G., Ma, L., Steinberg, J.L., Bjork, J., Lane, S.D., Narayana, P.A., Kosten, T.R., Schmitz, J.M., Price, A.E., Cunningham, K.A. Effective connectivity of attentional bias in cocaine dependence. College on Problems of Drug Dependence. Palm Springs, CA: June, 2016.

Dimet, A., Denner, L., Miller, R., Cunningham, K.A., Huentelman, M., Lane, S.D., Dineley, K. PPAR δ agonism to treat white matter damage in cocaine use disorder. College on Problems of Drug Dependence. Palm Springs, CA: June, 2016.

Lane, S.D., Hasan, K.M., Mwangi, B., Narayana, P.A., Vincent, J., Moeller, F.G., Steinberg, J.L., Dineley, K., Cunningham, K.A., Schmitz, J.M. Changes in brain white matter integrity after PPAR-gamma agonist treatment for cocaine use disorder. College on Problems of Drug Dependence. Palm Springs, CA: June, 2016.

Jalnapurkar, I., Pratikkumar, D., Sullivan, Z., AbdelGawad, N., Douglas, R., Engstrom, A., Kazimi, I., Lane, S.D., Pigott, T.A. The burden of pediatric psychiatric illness: A family perspective. American Psychiatric Association Annual Meeting. Atlanta, GA: May, 2016.

Parsaik, A.K., Abdel-Gawad, N., Chotalia, J., Lane, S.D., Pigott, T.A. Early life trauma in hospitalized mood disorder patients and its association with clinical outcomes. American Psychiatric Association Annual Meeting. Atlanta, GA: May, 2016.

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 mesocortico-striatal 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.

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

Price, A.E., Neelakantan, H., Ma, L., Steinberg, J.L., Lane, S.D., Bjork, J.M., Narayana, P.A., Kosten, T.R., Bechara, A., Anastasio, N.C., Moeller, F.G., Cunningham, K.A. 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.

Ma, L., Steinberg, J.L., Cunningham, K.A., Lane, S.D., Bjork, J.M., Narayana, P.A., Kosten, T.R., Bechara, A., Moeller, F.G. 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 mesocortico-striatal 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, S.D., 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., Schmitz, J.M., Green, C.E., Moeller, F.G. 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 K.M., MA L., Kramer, L.A., Lane S.D., Steinberg J.L., Narayana P.A., Moeller F.G. 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 attentional 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., Lindsay, 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-HT_{1B/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.

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

Liu, S., Lane, S.D., Schmitz, J.M., Waters, A.J., Cunningham, K.A., Moeller, F.G. 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.

Kjome, K.L., Steinberg, J.S., Kosten, T.R., Lane, S.D., Waters, A.J., Ma, L., Kramer, L.A., Narayana, P.A., Moeller, F.G. 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., 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., 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.

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.

Moukaddam, N., Moeller, F.G., Schmitz, J.M., Lane, S.D., Steinberg, J.L., Swann, A.C. Preliminary study on the relationship between 5-HT_{2A}-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.

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., Guenther, G., Bingchang, 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 methylphenidate 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: Toronto.

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: Toronto.

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's 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., 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 test-

ing 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.