Lori A. Knackstedt, PhD

Psychology Department
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Education

Ph.D. **2005:** Psychology; University of California, Santa Barbara, Santa Barbara, CA
Advisor: Aaron Ettenberg, PhD
Dissertation: "Motivating Factors Underlying the Co-administration of Cocaine and Alcohol"

B.S. **1999:** Bucknell University, Lewisburg, PA
Major: Biology
Magna cum laude

Positions Held

2018 – present Associate Professor, with tenure
Psychology Department
University of Florida, Gainesville, FL

2012-2018 Assistant Professor
Psychology Department
University of Florida, Gainesville, FL

2008-2012 Research Assistant Professor
Neurosciences Department
Medical University of South Carolina, Charleston, SC

2005-2008 Post-doctoral Fellow
Neurosciences Department
Medical University of South Carolina, Charleston, SC
Mentor: Peter Kalivas, PhD

Funding

NIDA/NIH R33 DA045140 (MPIs Knackstedt, Cottler) 9/01/20 – 06/30/23
Identifying Patterns of Human Polysubstance Use to Guide Development of Rodent Models
In the R21 portion of this multi-phase R21/R33, we conducted an epidemiological assessment of cocaine-alcohol and cocaine-cannabis polysubstance use patterns in subjects with past-30 day cocaine use. In the R33 phase, we will back-translate these human polysubstance use patterns into novel rodent models in order to assess glutamate and dopamine homeostasis and signaling in the nucleus accumbens.
($1,511,826)

NIDA/NIH R01 DA049449-01 PI Wesson 4/1/20-3/31/25
Circuitry and function of ventral striatum subregions
This project investigates adaptations in the olfactory tubercle in the context of cocaine self-administration, extinction and reinstatement. Tubercle anatomy and physiology will be assessed.
($2,440,873)
Role: Co-I

NIDA/NIH R03 DA050118 **PI: Schwendt** **7/1/20-6/30/22**
A novel model of oxycodone seeking that considers sex and stress susceptibility
This project examines whether stress-susceptibility confers increased risk for oxycodone demand and seeking.
($100,000)
Role: Co-I

NIDA/NIH Diversity Supplement to trainee Javier Mesa **7/1/21-6/30/23**
This supplement pays the salary and tuition for PhD student Javier Mesa.
($142,000)
Role: Sponsor

UF Clinical and Translational Science Institute UF-FSU Pilot grant **PI: Knackstedt** **7/1/21-12/31/22**
Investigating the role of the gut microbiome in the ability of ceftriaxone to reduce alcohol intake
This project investigates whether ceftriaxone alters the gut microbiome in rats that self-administer alcohol.
$25,000

Completed in last 3 years:

UF Center for Research to Investigate Substance use and Pain **PI: Knackstedt** **6/1/20-12/31/20**
This pilot project funded work to developing a sequential oxycodone-alcohol self-administration model in the rat.
($20,000)
Role: PI

NIDA/NIH R21 DA045140 **Knackstedt, Cottler (MPI's)** **09/30/18 – 08/31/20**
Identifying Patterns of Human Polysubstance Use to Guide Development of Rodent Models
The R21 component of this grant will assess patterns of polysubstance use in human cocaine users, with a focus on co-use of alcohol/cannabis. This data will then be used to build novel rodent models of cocaine polysubstance use in order to assess glutamate and dopamine changes in the nucleus accumbens in the 3 year R33 component.

NIDA/NIH R01 DA033436 **PI: Knackstedt** **07/1/12 - 06/30/19**
Glutamate Transporters and Cocaine Seeking
This grant aims to use the animal model of cocaine self-administration, extinction and reinstatement to investigate the role of glutamate transporters in the ability of the antibiotic ceftriaxone to prevent cocaine relapse in rats.
**Renewal application score 32, 16% percentile, pending Council*

NIDA/NIH R01 DA037270 **Rothstein, Abou-Gharbia (MPIs)** **06/15/14-02/28/20**
GLT-1 Enhancers as Drug Candidates for Treating Cocaine Addiction
This grant funds medicinal chemistry research to identify ceftriaxone analogs with better oral bioavailability and brain penetration that lack antibiotic properties. My role is to test these new compounds for their ability to prevent cocaine reinstatement.
Role: Subcontract PI

Professional Societies/Memberships

2020-present	American College of Neuropsychopharmacology, elected Member
2014-2019	American College of Neuropsychopharmacology, elected Associate Member
2000–present	Society for Neuroscience

Honors and Awards

2017-2020	University of Florida Term Professorship
2016	Winter Conference on Brain Research Travel Award
2015	University of Florida Excellence Award for Assistant Professors
2011	Federation of European Neuroscience Societies Travel Award
2010	American College of Neuropsychopharmacology Annual Meeting Travel Award
2007	Motivational Neuronal Networks Biannual Meeting Travel Award
2006	National Research Service Award (F32)
2006	Federation of European Neuroscience Societies Travel Award
2004	University of California Regents Dissertation Fellowship
1999	Phi Beta Kappa, Bucknell University
1995	National Merit Scholarship Semifinalist

Honors and Awards to Trainees

UF Center for Addiction Research & Education Travel Award to Courtney Wilkinson (graduate student), 2021: $750
UF TL-1 Fellowship (2020-2022) to Courtney Wilkinson: $25,100 graduate stipend
UF Center for Addiction Research & Education Dissertation Award to Carly Logan (graduate student), 2020: $7500
UF CLAS Dissertation Fellowship to Carly Logan (graduate student), 2020: $7000
UF Center for Addiction Research & Education Travel Award to Carly Logan (graduate student), 2019: $750
UF Center for Addiction Research & Education Travel Award to Carly Logan (graduate student), 2018: $750
UF Center for Addiction Research & Education Travel Award to Carly Logan (graduate student), 2017: $500
UF Center for Addiction Research & Education Travel Award to Bethany Stennett (graduate student), 2016: $500
UF Psychology Dept. Trish Calvert Ring Travel Award to Bethany Stennett (graduate student), 2016: $500 UF Psychology Dept. Trish Calvert Ring Travel Award to Carly Logan (graduate student), 2016: $500
UF Graduate Student Council Travel Award to Natalie Hadad (graduate student), 2016: $350 Ring Fund Research Award to Bethany Stennett (graduate student), 2015: $2,000
UF Center for Addiction Research and Education Travel Award to Amber LaCrosse (post-doctoral associate), 2015: $500
UF CLAS Travel Award to Bethany Stennett (graduate student), 2015: $500
UF Psychology Dept. Travel Award to Bethany Stennett (graduate student), 2015: $500 UF Psychology Dept. Travel Award to Natalie Hadad (graduate student), 2015: $500 UF Psychology Dept. Travel Award to Bethany Stennett (graduate student), 2014, $500 UF CLAS Travel Award, to Bethany Stennett (graduate student), 2013, $300
UF Psychology Dept. Travel Award to Bethany Stennett (graduate student), 2013, $150
UF Graduate School Fellowship (GSF) Award to Bethany Stennett (graduate student), 2013-2017, $5000/year

Service to the Profession

Media and Governmental Liaison Committee, American College of Neuropsychopharmacology, 2015-2019

Review Editor in Neuropharmacology for Frontiers in Neuropharmacology

Reviewer for Swiss National Science Foundation

Journal Review

Ad hoc reviewer for: *Journal of Neuroscience; Neuropsychopharmacology; Neuropharmacology; Addiction Biology; Biological Psychiatry; Molecular Psychiatry; Science Advances; Psychopharmacology; Neuroscience; Brain Research; Alcoholism: Clinical and Experimental Research; Neuropharmacology; Nutrients; Stress; British Journal of Pharmacology; Journal of Psychopharmacology; Frontiers in Behavioral Neuroscience; eNeuro; Neuroscience and Biobehavioral Reviews; Drug and Alcohol Dependence;*

Neurobiology of Aging; Drugs; Progress in Neuropharmacology and Biological Psychiatry; Behavioural Pharmacology

NIH Grant Review

2021	NIH study section panelist and Co-Chair for ZAA1 GG (32): NIAAA Fellowships
2021	NIH study section panelist for ZRG1 IFCN-C (02) M: Motivated Behavior and Alcohol
2020-2021	NIH study section panelist for ZRG-R F03B(L): Fellowships - Biophysical, Physiological, Pharmacological and Bioengineering Neuroscience
2020	NIH study section panelist for MNPS: Molecular Neuropharmacology and Signaling
2020	NIH study section panelist for ZAA1 GG (32): NIAAA Fellowships
2017	NIH study section panelist for ZRG1 BDCN-W: Neurodevelopmental and Neuropsychiatric Disorders
2015-2020	NIH study section panelist for ZRG IFCN-C: Alcohol, Drugs and Neurotoxicology
2013; 2015	NIH study section panelist for NMB: Neurobiology of Motivated Behavior

University and Department Service

2021-2024: UF Faculty Senate Committee on Committees member
2021: UF TL-1 Advisory Board
2020: UF Opportunity Seed Fund Proposal reviewer for CLAS proposals
2018-present: Director, Behavioral and Cognitive Neuroscience Graduate Program, UF Psychology Dept.
2018-2019: External Speaker Committee Co-Chair, Center for Addiction Research and Education
2018-2019: Behavioral and Cognitive Neuroscience faculty search committee
2016-present: Social Media Committee, Chair
2016-present: Space Committee, Member
2016-present: Mentor for NIH-funded "SF2UF Bridge to Baccalaureate" program
2016-2018: Invited Speaker Committee Member, Center for Addiction Research and Education
2016: Faculty advisor for the student organization "Second Chance Gators"
2014: Behavior Analysis new hire search committee
2013-2014: Merit Committee member

Invited Talks

September 2021	FSU Biomedical Sciences Seminar Series
January 2021	UF Psychiatry Dept. Seminar Series
June 2020	College on Problems of Drug Dependence (Virtual) Annual Meeting
January 2020	Winter Conference on Brain Research, Big Sky, MT
October 2019	Virginia Institute for Psychiatric and Behavioral Genetics, VCU, Richmond, VA
June 2019	Institute of Pharmacology, Polish Academy of Sciences, Krakow, Poland
June 2019	Symposium on Catecholamines and Other Neurotransmitters in Stress, Smolenice, Slovakia
January 2019	Winter Conference on Brain Research, Snowmass, CO
February 2018	Winter Conference on Brain Research, Whistler, British Colombia, Canada
November 2017	Auburn University Psychology Department, Auburn, AL
October 2017	University of Texas San Antonio Neurobiology Seminar Series, San Antonio, TX
October 2017	9th International Meeting on Metabotropic Glutamate Receptors, Taormina, Italy
August 2017	Janssen Pharmaceuticals, Ewing, NJ

March 2017	Bucknell University Psychology Department, Lewisburg, PA
October 2016	Southeastern Association for Behavior Analysis Annual Meeting, Winston-Salem, NC
September 2016	University of Florida Neuroscience Department Seminar Series, Gainesville, FL
June 2016	International Behavioral Neuroscience Society Meeting (Hot Topic), Budapest, Hungary
March 2016	Temple University School of Pharmacy, Philadelphia, PA
January 2016	Winter Conference on Brain Research, Breckenridge, CO
June 2015	Symposium on Catecholamines and Other Neurotransmitters in Stress, Smolenice, SK
May 2015	Society of Biological Psychiatry Annual Meeting, Toronto, Canada
November 2014	Millersville University Psychology Department, Millersville, PA
March 2013	U. of Maryland School of Medicine, Dept. of Anatomy and Neurobiology, Baltimore, MD
December 2012	American College of Neuropsychopharmacology Annual Meeting, Hollywood FL
February 2012	University of North Carolina Wilmington, Psychology Department, Wilmington, NC
January 2012	University of Florida, Psychology Department, Gainesville, FL
June 2011	Penn State College of Medicine, Department of Neural and Behavioral Sciences, Hershey, PA
June 2011	American Society of Clinical Psychopharmacology Annual Meeting, Boca Raton, FL
December 2010	American College of Neuropsychopharmacology Annual Meeting, Miami, FL
November 2010	University of California, Santa Barbara Department of Psychology, Santa Barbara, CA
December 2008	Smith College Department of Psychology, Amherst, MA

Teaching Experience

2012-present — Assistant & Associate Professor, Psychology Department
University of Florida, Gainesville, FL
Courses taught: Behavioral Neuroscience; Contemporary Techniques in Behavioral Neuroscience; Neurobiology of Substance Abuse; Psychology of Substance Abuse; Physiological Psychology; Introduction to Psychology

2010-2012 — Lecturer, College of Medicine
Medical University of South Carolina, Charleston, SC
Approximately 7 lectures/year and Neuroanatomy Lab instructor (2 weeks/yr)

2005-2012 — Adjunct Faculty, Psychology Department
College of Charleston, Charleston, SC
Courses taught: Introduction to Psychology; Psychology of Substance Abuse

2003-2004 — Adjunct Faculty, Psychology Department
Santa Barbara City College, Santa Barbara, CA
Courses taught: Introduction to Physiological Psychology

2003-2004 — Graduate Instructor, Psychology Department
University of California, Santa Barbara, Santa Barbara, CA
Courses taught: Brain and Behavior; Concepts in Biological Psychology

PhD and Masters Committees Chaired or Co-Chaired

Natalie Hadad, Psychology PhD 2016.
Current: Tenured Associate Prof. at Santa Fe College, Gainesville, FL.

Dulce Minaya, Psychology PhD 2017 (Co-chair)
Current: post-doctoral associate, University of Georgia
Leslie Howard, Psychology M.S. 2018
Bethany Stennett, Psychology PhD 2018.
Current: post-doctoral associate, UF (Boissenault Lab)
Carly Logan, Psychology PhD 2020
Current: post-doctoral Associate, UF (Burke Lab)
Javier Mesa, Psychology Dept., UF, M.S. 2020
Current: PhD student UF
Courtney Wilkinson, PhD in progress, expected May 2023

PhD and M.S. Degree Committee Service

Brantley Jarvis, Psychology Dept., UF, PhD, 2015
Kaley McFadyen, Pharmacodynamics Dept., College of Pharmacy, UF, PhD, April 2017
Melissa Cervantez, Psychology Dept., UF, PhD, August 2018
Christina Gobin, Psychology Dept., UF, PhD, August 2019
Shelby Blaes, Neuroscience Dept., College of Medicine, PhD, August 2020
Peter Hamor, Psychology Dept. UF, PhD, in progress
Natalie Johnson, Pharmacology Dept. UF, PhD in progress
Bo Sortman, Pharmacodynamics Dept., UF, PhD in progress
Sabrina Zequeira, Neuroscience Dept., UF, PhD in progress

Post-doctoral Supervision

Amber Lacrosse, Psychology Dept. UF, post-doctoral associate 2014-2015. Current: tenure-track Assistant Professor of Psychology at Northern Michigan University

Allison Bechard, Psychology Dept., UF, post-doctoral associate 2016-2018. Current: tenure-track Assistant Professor of Psychology at SUNY-Geneseo

Undergraduate Students Mentored who pursued a PhD (out of total 50 mentored)

Gisele Rojas, UF, B.S. 2021. Current: PhD student in Neuroscience, Mt. Sinai (URM)
Yamin Padovan Hernandez, UF, B.S. 2020. Current: PhD student in Neuroscience, Johns Hopkins University (URM)
Ashleigh Polo, UF, B.S. 2020. Current: PhD student in Neuroscience, University of Chicago (URM)
Victoria Williamson, UF, B.S. 2019. Current: PhD student in Clinical Psychology, Univ. Oregon (URM)
Mark Namba, UF, B.S. 2016. Current: PhD student in Psychology at ASU (URM)
Brooke Jackson, UF. B.S. 2016 Current: PhD student in Psychology at Univ. of GA
Jan Frankowski, UF. B.S 2015, Current: PhD student in Neuroscience at University of California, Irvine
Morgan Zipperly, College of Charleston, B.S. 2014. Current: MD (2022) and PhD (Neuroscience; 2018) UAB
Kirstin Morton, College of Charleston, B.S. 2009. PhD Chemistry; Indiana U. at Bloomington. Current: Eastman Chemical Company

Publications (51 total)

(ug)= UF undergraduate author; (g)= UF graduate student author; (p) = post-doctoral fellow

Logan CN (g), Rojas G (ug), Wilkinson CS (g), Polo Escorcia AK (ug), Reichel CM, Peris J, **Knackstedt LA.** (2021). Systemic oxytocin increases glutamate efflux in the nucleus accumbens core of cocaine-experienced male and female rats

but only increases dopamine efflux in males. *Behav Brain Res*. 417:113590. Online ahead of print. PMID: 34551348

Schwendt M, **Knackstedt LA.** (2021). Extinction vs. Abstinence: A Review of the Molecular and Circuit Consequences of Different Post-Cocaine Experiences. *Int J Mol Sci*. 22(11):6113. PMID: 34204090

Knackstedt, LA, Wu, L, Rothstein J, Vidensky S, Gordon J, Ramanjulu M, Dunman P, Blass B, Childers W, Abou-Gharbia M. (2021). MC-100093, a novel β-lactam GLT-1 Enhancer devoid of antimicrobial properties attenuates cocaine relapse in rats. *Journal of Pharmacol Exp Ther.* 78(2):51-59. PMID: 33986035.

Shallcross J (g), Wu, L, **Knackstedt**, **LA,** Schwendt, M. (2021). Increased mGlu5 mRNA expression in BLA glutamate neurons facilitates resilience to the long- term effects of a single predator scent stress exposure. *Brain Structure and Function*. 226(7):2279-2293. PMID: 34175993

Niedzielska-Andres E, Pomierny-Chamioło L, Andres M, Walczak M, **Knackstedt LA,** Filip M, Przegaliński E. (2021). Cocaine Use Disorder: a look at metabotropic glutamate receptors and glutamate transporters. *Pharmacology & Therapeutics*. Online ahead of print. PMID: 33359590

Griffin WC, Haun HL, Ramachandra VS, **Knackstedt LA,** Mulholland PJ, Becker HC. (2021). Effects of Ceftriaxone on Ethanol Drinking and GLT-1 Expression in Ethanol Dependence and Relapse Drinking. *Alcohol*. Online ahead of print. PMID: 33465464

Fischer KD, **Knackstedt LA**, Rosenberg PA. (2020). Glutamate homeostasis and dopamine signaling: implications for psychostimulant addiction behavior. *Neurochem Int.* Online ahead of print. PMID: 33159978

Stennett BA (g), **Knackstedt LA.** (2020). A rat model of cocaine-alcohol polysubstance use reveals altered cocaine seeking and glutamate levels in the nucleus accumbens. *Front Neurosci* 14:877. PMID: 32982672

Hadad, N (g), Schwendt, M, **Knackstedt L.** (2020). Hypothalamic-Pituitary-Adrenal Axis activity in posttraumatic stress disorder and cocaine use disorder. *Stress.* 23(6):638-650. PMID: 32835581

Smaga I, Fierro D (ug), Mesa J (g), Filip M, **Knackstedt LA.** (2020). Molecular changes evoked by the beta-lactam antibiotic ceftriaxone across rodent models of substance use disorder and neurological disease. *Neuroscience and Biobehavioral Reviews.* 115:116-130. PMID: 32485268

Bechard AR (p), Logan CN (g), Mesa J (g), Hernandez YP (ug), Blount H (ug), Hodges VL (ug), **Knackstedt, L.** (2020). Role of prefrontal cortex projections to the nucleus accumbens core in mediating the effects of ceftriaxone on cued cocaine seeking. *Addiction Biology* Online ahead of print. PMID: 32558119

Logan CN (g), Bechard AR (p), Hamor PU (g), Wu L, Schwendt M, **Knackstedt LA.** (2020). Ceftriaxone and mGlu2/3 interactions in the nucleus accumbens core affect the reinstatement of cocaine-seeking in male and female rats. *Psychopharmacology* 237(7): 2007-2018. PMID: 3238278

Stennett BA (g), Padovan-Hernandez Y (ug), **Knackstedt LA.** (2020). Sequential cocaine-alcohol self-administration produces adaptations in rat nucleus accumbens core glutamate homeostasis that are distinct from those produced by cocaine self-administration alone. *Neuropsychopharmacology*. 45(3):441-450. PMID: 31266052**.**

Shallcross J (g), Hámor P, Bechard AR (p), Romano M (ug), **Knackstedt L,** Schwendt M. (2019). The Divergent Effects of CDPPB and Cannabidiol on Fear Extinction and Anxiety in a Predator Scent Stress Model of PTSD in Rats. *Front Behav Neurosci.* 13:91. PMID: 31133832

Bechard, AR (p), **Knackstedt, LA.** (2019). The effects of Pavlovian cue extinction on cocaine relapse after abstinence.

Drug and Alcohol Dependence. 197:83-86. PMID: 30784953

Bechard, AR (p), Hamor P (g), Wu, L, Schwendt, M, **Knackstedt, LA.** (2019). The effects of clavulanic acid and amoxicillin on cue-primed reinstatement of cocaine-seeking. *Behavioral Neuroscience.* 133(2):247-254. PMID: 30714803

Schwendt M, Shallcross J (g), Hadad NA(g), Namba M (ug), Hiller H, Wu L, Krause EG, **Knackstedt, LA.** (2018). A novel rat model of comorbid PTSD and addiction reveals intersections between stress susceptibility and enhanced cocaine-seeking with a role for mGlu5 receptors. *Translational Psychiatry*. 8(1): 209. PMID: 30291225

Bechard, AR (p), LaCrosse, A (p), Namba, MD (ug), Jackson, B (ug), **Knackstedt, LA.** (2018). Impairments in reversal learning following short access to cocaine self-administration. *Drug and Alcohol Dependence.* 192: 239-244. PMID: 30278419

Liu, Y, Williamson, V(ug), Setlow, B, Cottler, LB, **Knackstedt, LA**. (2018). The importance of considering polysubstance use; lessons from cocaine research. *Drug and Alcohol Dependence.* 192:16-28. PMID: 30195242.

Logan CN(g), LaCrosse AL (p), **Knackstedt LA.** (2018). Nucleus accumbens GLT-1a overexpression reduces glutamate efflux during reinstatement of cocaine-seeking but is not sufficient to attenuate reinstatement. *Neuropharmacology*. 135:297-307. PMID: 29567092

Padovan Hernandez, Y (ug) and **Knackstedt LA.** (2018). Dose-dependent effects of Clozapine-N-Oxide on cocaine-induced locomotion in rats with a history of cocaine self-administration. *Neuroscience Letters*. 674:132-135. PMID: 29571824

Weber RA, Logan, CN(g), Leong, K-C, Peris, J, **Knackstedt, L**, and Reichel, CM. (2018). Regionally specific effects of oxytocin on reinstatement of cocaine seeking in male and female rats. *International Journal of Neuropsychopharmacology*, 21(7): 677-686. PMID: 29566161

Bechard A(p), Hamor P(g), Schwendt M, **Knackstedt LA.** (2018). The estrous cycle influences surface GluA1 expression in the nucleus accumbens and the ability of ceftriaxone to attenuate cue-primed reinstatement of cocaine-seeking. *Psychopharmacology,* 235(3):837-848. PMID: 29197981.

Lacrosse AL(p), O'Donovan S, Sepulveda-Orengo MT, McCullumsmith R, Reissner KJ, Schwendt M, and **Knackstedt LA**. (2017). Contrasting the role of xCT and GLT-1 upregulation in the ability of ceftriaxone to attenuate the reinstatement of cocaine-seeking and normalize AMPA receptor subunit expression. *Journal of Neuroscience,* 37(24): 5809-5821. PMID: 28495973

Stennett B (g), Frankowski, JC (ug), Peris J, and **Knackstedt, LA.** (2017). Ceftriaxone reduces alcohol intake in outbred rats while upregulating xCT in the nucleus accumbens core. *Pharmacology, Biochemistry and Behavior*. 159: 18-23. PMID: 28687200

Hadad NA(g), Wu L, Hiller H, Krause EG, Schwendt M, **Knackstedt LA.** (2016). Conditioned stress prevents cue-primed cocaine reinstatement only in stress-responsive rats. *Stress,* 19(4):406-18. PMID: 27181613

LaCrosse AL (p), Hill K, **Knackstedt LA** (2016). Ceftriaxone attenuates cocaine relapse after abstinence through modulation of nucleus accumbens AMPA subunit expression. *Eur. Neuropsychopharmacology* 26(2):186–194. PMID: 26706696

Pati D, Kelly K, Stennett B(g), Frazier CJ, **Knackstedt LA.** (2016). Alcohol self-administration increases basal glutamate in the nucleus accumbens of outbred rats without affecting pre-synaptic release properties. *European Journal of Neuroscience,* 44(2):1896-1905. PMID: 27207718

Knackstedt LA, Schwendt M. (2016). mGlu5 receptors and relapse to cocaine-seeking: the role of receptor trafficking in post-relapse extinction learning deficits. *Neural Plasticity*, 2016:9312508. PMID: 26881139

Massie A, Boillee S, Hewett S, **Knackstedt L**, Lewerenz J.(2015). System xc- in the central nervous system: a wolf in sheep's clothing? *Journal of Neurochemistry,* 135(6):1062-79. PMID:26336934

Griffin WC, Ramachandra VS, **Knackstedt LA,** Becker HC. (2015). Repeated cycles of chronic intermittent ethanol exposure increases basal glutamate in the nucleus accumbens of mice without affecting glutamate transport. *Frontiers in Pharmacology* 6(27). PMID: 25755641

Weiland A, Garcia˙ S(ug), **Knackstedt LA.** (2015). Cefazolin and ceftriaxone attenuate the cue-primed reinstatement of alcohol-seeking. *Frontiers in Pharmacology*. 6 (44). PMID:25805996

Reissner KJ, Gipson CD, Phuong KT, **Knackstedt LA**, Scofield MD, Kalivas PW. (2015) Glutamate transporter GLT-1 mediates N-acetylcysteine inhibition of cocaine reinstatement. *Addiction Biology,* 20(2):316-23. PMID:24612076

Hadad NA(g), **Knackstedt LA.** (2014). Addicted to palatable foods: comparing the neurobiology of Bulimia Nervosa to that of drug addiction. *Psychopharmacology (Berl).* 231(9): 1897-1912. PMID: 24500676

Knackstedt LA, Trantham-Davidson H, Schwendt M. (2014) The role of ventral and dorsal striatum mGluR5 in relapse to cocaine-seeking and extinction learning. *Addiction Biology,* 19(1): 87-101. PMID:23710649

Alajaji M, Bowers MS, **Knackstedt L**, Damaj MI. (2013) Effects of the beta-lactam antibiotic ceftriaxone on nicotine withdrawal and nicotine-induced reinstatement of preference in mice. *Psychopharmacology (Berl).* 228(3):419-26. PMID: 23503685

Trantham-Davidson H, Lalumiere RT, Reissner KJ, Kalivas PW, **Knackstedt LA.** (2012). Ceftriaxone Normalizes Nucleus Accumbens Synaptic Transmission, Glutamate Transport, and Export following Cocaine Self-Administration and Extinction Training. *Journal of Neuroscience,* 32(36):12406-10. PMID:22956831

Wang X, Moussawi K, **Knackstedt L**, Shen H, Kalivas PW. (2012). Role of mGluR5 neurotransmission in reinstated cocaine-seeking. *Addiction Biology,* 18(1): 40-9. PMID: 22340009

Sondheimer I, **Knackstedt LA.** (2011). Ceftriaxone prevents the induction of cocaine sensitization and produces enduring attenuation of cue- and cocaine-primed reinstatement of cocaine-seeking. *Behavioural Brain Research,* 225(1): 252-258. PMID: 21824497

Uys JD, **Knackstedt L**, Hurt P, Tew KD, Manevich Y, Hutchens S, Townsend DM, Kalivas PW. (2011). Cocaine Induced Adaptations in Cellular Redox Balance Contributes to Enduring Behavioral Plasticity. *Neuropsychopharmacology*, 36(12): 2551-60. PMID: 21796101

Knackstedt, LA, Moussawi, K, Lalumiere, R, Schwendt, M, Klugman, M, Kalivas, PW. (2010). Extinction training after cocaine self-administration induces glutamatergic plasticity to inhibit cocaine-seeking. *Journal of Neuroscience,* 30(23):7984-92. PMID: 2534846.

Knackstedt, LA, Melendez, RI, Kalivas, PW. (2010). Ceftriaxone restores glutamate homeostasis and prevents relapse to cocaine seeking. *Biological Psychiatry*, 67(1): 81-4. PMID: 19717140.

Knackstedt, **LA**, Kalivas, PW. (2009). Glutamate and reinstatement. *Current Opinion in Pharmacology*, 9(1): 59-64. PMID: 19157986.

Knackstedt, **LA**, Larowe, S, Mardikian, P, Malcolm, R, Upadhaya, H, Hedden, S, Markou, A, Kalivas, PW. (2009). The

role of cystine-glutamate exchange in nicotine dependence in rats and humans. *Biological Psychiatry*, 65(10):841-5. PMID: 19103434

Kalivas, PW, Lalumiere, R, **Knackstedt, L**, Shen, HW. (2008). Glutamate transmission in addiction. *Neuropharmacology*, 56 Suppl 1:169-73. PMID: 18675832.

Knackstedt LA, Kalivas PW. (2007). Extended-access to cocaine self-administration enhances drug-primed reinstatement but not behavioral sensitization. *Journal of Pharmacology and Experimental Therapeutics,* 322(3): 1103-09. PMID: 17601982.

Knackstedt LA, Ettenberg A. (2006). Alcohol consumption is preferred to water in animals pretreated with cocaine. *Pharmacology, Biochemistry, Behavior,* 85: 281-86. PMID: 17049976.

Kalivas PW, Peters J, **Knackstedt LA**. (2006). Animal models and brain circuits in drug addiction. *Moleular Interventions,* 6(6): 339-44. PMID: 17200461.

Knackstedt LA, Kalivas PW. (2006). Pharmacotherapy targets for regulating cocaine-induced plasticity. *Drugs of the Future*, 31(10): 893-912.

Knackstedt LA, Ettenberg A. (2004). Ethanol consumption reduces the adverse consequences of self-administered intravenous cocaine in rats. *Psychopharmacology,* 178: 143-50. PMID: 15338105.

Knackstedt LA, Samimi MM, Ettenberg A. (2002). Evidence for the opponent-process actions of intravenous cocaine and cocaethylene. *Pharmacology, Biochemistry, Behavior* 72: 931-36. PMID: 12062583

Manuscripts under review/in press

Logan C (g), Rojas G (ug), Wilkinson C (g), Reichel C, **Knackstedt L.** Oxytocin increases nucleus accumbens dopamine and glutamate levels in rats with a history of cocaine self-administration.

Invited Book Chapters

Knackstedt LA. (2021). Linking polysubstance use, glutamate and the nucleus accumbens. in "Handbook of Substance Misuse and Addictions: From Biology to Public Health." Preedy, V (ed.)

Bechard, AR (p), **Knackstedt LA**. (2018). Glutamatergic neuroplasticity in addiction, in "Neural Mechanisms of Addiction". Pages 61-70, Torregrossa, M (ed).

LaCrosse AL (p), Stennett, B(g), **Knackstedt L**. (2017). Polysubstance-related disorders, in "The SAGE Encyclopedia of Abnormal and Clinical Psychology." Volume 2. Pages 1492-1495, Wenzel AE (ed.)

Hadad N(g) & **Knackstedt, L**. (2016). Bulimia Nervosa as an Addiction. in "The Neuropathology of Drug Addictions and Substance Misuse." Vol 3 Pages: 1019-1027, Preedy, V (ed.)

Knackstedt, LA. (2013). Neuropharmacology of Cocaine and Amphetamine, in "Biological Research on Addiction: Comprehensive Addictive Behaviors and Disorders." Vol 2 Pages: 573-577, Miller, PM (ed.)

Poster Presentations (National and International)

(g)= UF undergraduate author; (ug) = UF graduate student author; (p) = post-doctoral fellow

Wilkinson, C. (g), Pustam, L.C. (ug), Schwendt, M., **Knackstedt, L.** Stress-Susceptibility Enhances Oxycodone Self-Administration, Extinction, and Reinstatement. International Narcotics Research Conference. July 2021.

Wilkinson, C. (g), Rojas, G. (ug), & **Knackstedt, L.** Female rats exhibit increased oxycodone demand and withdrawal-associated anxiety in a rat model of oxycodone-alcohol polysubstance use. *Society for Neuroscience Virtual Global Connectome*. January 2021.

Rojas, G. (ug), Padovan, Y.H. (ug), **Knackstedt, L.A**. Cocaine preference over sucrose in a rat model of voluntary abstinence is associated with increased cocaine relapse and vOFC activation. *Society for Neuroscience Virtual Global Connectome*. January 2021.

Mesa, J.R. (g), Hodges, V. (ug), Logan, C.N. (g), Bechard, A.R. (p), & **Knackstedt, L.A**. Involvement of prefrontal cortex in the ability of ceftriaxone to attenuate cue-primed reinstatement of cocaine seeking. *Society for Neuroscience Virtual Global Connectome*. January 2021.

Rojas, G.(ug), Padovan, Y.H. (ug), **Knackstedt, L.A.** A novel model of voluntary abstinence in cocaine seeking rat relationship with Ceftriaxone. *ABRCMS The Virtual Experience*. November 2020.

Rojas, G. (ug), Padovan, Y.H. (ug), **Knackstedt, L.A.** (2020*).* Cocaine preference over sucrose in a rat model of voluntary abstinence relationship to c-Fos expression in addiction-related brain regions. *Biomedical Research Symposium for Underrepresented Scholars, Mount Sinai, Ichan School of Medicine*. November 2020.

Logan, C (g), **Knackstedt, LA.** Ceftriaxone and mGlu2/3 interactions in the nucleus accumbens core mediate the reinstatement of cocaine-seeking in male and female rats. American College of Neuropsychopharmacology Annual Meeting, Orlando, FL. December 2019.

Padovan-Hernandez, Y (ug), **Knackstedt, LA**. The effects of cocaine self-administration and ceftriaxone on nucleus accumbens GLT-1 trafficking. Society for Neuroscience Annual Meeting, Chicago, IL. October 2019.

Mesa, J (g), Hodges, V(ug), Bechard, A (p), Logan, C (g), **Knackstedt LA.** Ceftriaxone attenuates activity in the BLA and VTA during cue-primed seeking of cocaine after abstinence. Society for Neuroscience Annual Meeting, Chicago, IL. October 2019.

Knackstedt, LA, Logan, C (g), Padovan-Hernandez, Y (ug), Bechard, A (p). Interactions between ceftriaxone and instrumental extinction training on the circuitry underlying cued relapse to cocaine seeking. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL. December 2018.

Knackstedt, LA, Logan, C (g), Padovan-Hernandez, Y (ug), Bechard, A (p). Ceftriaxone attenuates cued cocaine-seeking after abstinence. Society of Neuroscience Annual Meeting, San Diego CA. November 2018.

Logan,C.(g), Bechard, A. (p), Hamor, P., Schwendt, M., & **Knackstedt, L.** Ceftriaxone increases surface mGlu2 expression in male and female rats. Society of Neuroscience Annual Meeting, San Diego CA. November 2018.

Shallcross JF (g), Schwendt M, and **Knackstedt L**. Upregulation of mGlu5 mRNA in the basal lateral amygdala and mPFC as a molecular feature of resilience to traumatic stress in rats. International Behavioral Neuroscience Society Annual Meeting, Boca Raton, FL. June 2018.

Knackstedt, LA, Howard, L, Blass, B, Childers, W, Barrero, C, Merali, C, Abou-Gharbia, M, Merali, S. Proteomic approaches to determining the mechanism of action of ceftriaxone in cocaine addiction. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL: December 2017.

Shallcross JF(g), Schwendt M, and **Knackstedt L**. Increased mGluR5 and CB1R mRNA expression in the amygdala is associated with resilience to anxiety following predator odor exposure in rats. Society for Neuroscience Annual Meeting. Washington, DC: Nov 12, 2017.

Hamor P (g), Bechard AR(p), Schwendt M, and **Knackstedt LA.** Sex and estrous cycle effects on the attenuation of cue-primed reinstatement of cocaine-seeking by ceftriaxone. Society for Neuroscience Annual Meeting. Washington, DC: Nov 15, 2017.

Bechard AR(p), Padovan-Hernandez Y (ug), and **Knackstedt LA**. Pavlovian extinction and ceftriaxone differentially attenuate context-versus cue-primed cocaine relapse. Society for Neuroscience Annual Meeting. Washington, DC: Nov 15, 2017.

Logan CN (g), Weber R, Peris J, Leong K-C, **Knackstedt LA**, Reichel CM. Poster. Oxytocin infused into the nucleus accumbens core decreases cocaine seeking and increases extracellular glutamate. Society for Neuroscience Annual Meeting. Washington, DC. Nov 15, 2017.

Logan C (g), Padova-Hernandez Y, **Knackstedt LA.** AAV-mediated overexpression of GLT-1 does not attenuate cocaine relapse or the glutamate release that accompanies reinstatement. Max Planck Florida Institute for Neuroscience Biennial Sunposium. West Palm Beach, FL: February 2017.

Knackstedt L, Stennett B(g), Schwendt M. The role of glutamate in mediating the reinstatement of cocaine- seeking is altered by both a history of stress and combined alcohol and cocaine self-administration. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL: December 2016.

Stennett B(g), Jackson B (ug), **Knackstedt, L.** The Nucleus Accumbens Core is Less Active During Reinstatement to Cocaine Seeking in Animals with a History of Alcohol Use as Compared to Cocaine Use Only. Society for Neuroscience Annual Meeting, San Diego, CA. November 2016.

Logan C(g) & **Knackstedt, L.** AAV mediated upregulation of GLT-1 does not prevent the reinstatement of cocaine seeking. Society for Neuroscience Annual Meeting, San Diego CA. November 2016.

Shallcross JF (g), **Knackstedt L,** Schwendt M. mGluR5 mediates resilience to traumatic stress and relapse to cocaine seeking. Society for Neuroscience Annual Meeting, San Diego, CA. November 2016.

Knackstedt, LA, Logan C (g). Ceftriaxone and cocaine relapse: contrasting the roles of xCT and GLT-1 upregulation. International Behavioral Neuroscience Society Annual Meeting. Budapest, Hungary. June 2016.

Schwendt M, **Knackstedt, LA.** The role of mGluR5 in neurobiological mechanisms of resilience to develop comorbid PTSD and cocaine addiction. International Behavioral Neuroscience Society Annual Meeting. Budapest, Hungary. June 2016.

Shallcross J (g), Namba M(ug), Hiller H, Krause EK, Schwendt M, **Knackstedt L**. Development of an animal model of comorbid PTSD and cocaine addiction: the role of mGluR5 in promoting resilience and reducing cocaine relapse. Society for Biological Psychiatry Annual Meeting, Atlanta, GA. May 2016.

Stennett B (g), **Knackstedt, LA**. Voluntary consumption of alcohol in combination with cocaine alters the neurobiology underlying relapse to cocaine-seeking. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL: December 2015.

LaCrosse AL (p), Gordon MA(ug), Jackson BS(ug), **Knackstedt LA**. Antisense-mediated downregulation of xCT reduces basal glutamate in the NA and alters post-synaptic AMPA receptor subunit expression. Society for Neuroscience. Chicago, IL. October 2015.

Stennett B (g), K**nackstedt LA**. The role of glutamate release in the nucleus accumbens core during cocaine reinstatement in rats with a history of both alcohol and cocaine self-administration. Society for Neuroscience. Chicago, IL. October 2015.

Hadad NA(g), Schwendt M, Hiller H, Krause E, and **Knackstedt LA.** Predator Stress Combined with Extinction-Reinstatement as an Animal Model of PTSD Comorbid with Cocaine Addiction. Anxiety and Depression Association of America. Miami, FL. April 2015.

Reissner K, **Knackstedt LA.** Ceftriaxone requires both xCT and GLT-1 up-regulation in the nucleus accumbens to attenuate the reinstatement of cocaine-seeking and alter AMPA receptor subunit composition. American College of Neuropsychopharmacology Annual Meeting, Phoenix, AZ: December 2014.

Stennett B (g) , **Knackstedt, LA.** Using a rodent model of simultaneous cocaine and alcohol use to screen medications to prevent cocaine relapse. Society for Neuroscience Annual Meeting Washington, DC: November 2014.

Bilodeau J(ug), Reissner K, **Knackstedt LA.** Ceftriaxone requires both xCT and GLT-1 up-regulation in the nucleus accumbens to attenuate the reinstatement of cocaine-seeking. Society for Neuroscience Annual Meeting Washington, DC: November 2014.

Knackstedt LA, Schwendt M. The role of glutamate in the nucleus accumbens in the context-primed relapse of cocaine-seeking after abstinence. Society for Neuroscience Annual Meeting Washington, DC: November 2014.

Schwendt M, Hiller H, Krause EG, **Knackstedt, LA**. Development of an animal model and treatments for comorbid PTSD and cocaine addiction. Society for Neuroscience Annual Meeting Washington, DC: November 2014.

Knackstedt LA, Schwendt M. Ceftriaxone and MTEP attenuate context-primed relapse of cocaine-seeking after abstinence. Federation of European Neuroscience Societies, Milan, Italy: July 2014.

Schwendt M, Krause EG, **Knackstedt LA**. Development of an animal model and treatments for comorbid PTSD and cocaine addiction. Federation of European Neuroscience Societies, Milan, Italy: July 2014.

Stennett B (g), **Knackstedt LA.** Restoring glutamate homeostasis to prevent relapse in a rodent model of alcohol- seeking. Society for Neuroscience Annual Meeting, San Diego CA: November 2013.

Knackstedt LA. Restoring glutamate homeostasis to prevent relapse in a rodent model of alcohol-seeking. NCDEU Annual Meeting, Hollywood, FL: June 2013.

Reissner KJ, Boger HA, Tran PK, **Knackstedt LA**, Scofield MD, Kalivas PW. Effects of cocaine self- administration and extinction on astrocyte content and protein expression in the nucleus accumbens, and relationship to reinstatement. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL: December, 2012.

Ramachandra VS, **Knackstedt LA,** Griffin III WC, Hazelbaker CL, Haun HL, Snyder LL. Becker HC. Glutamate transporter expression in nucleus accumbens after chronic intermittent ethanol exposure. Society for Neuroscience Annual Meeting, New Orleans, LA: October 2012.

Knackstedt LA, Reissner K. Ceftriaxone increases glutamate transport and basal glutamate levels in the nucleus accumbens core of cocaine self-administering animals. American College of Neuropsychopharmacology Annual Meeting, Kona, HI: December, 2011.

Knackstedt LA. The effects of simultaneous cocaine and alcohol consumption on glutamatergic markers in the nucleus accumbens of the rat. American College of Neuropsychopharmacology Annual Meeting, Miami, FL: December, 2010.

Knackstedt LA, Kalivas PW. The effects of ceftriaxone on basal glutamate levels in the nucleus accumbens following withdrawal from cocaine self-administration. Society for Neuroscience Annual Meeting, San Diego, CA: November 2010.

Hohman M, Kalivas PW, **Knackstedt LA**. The effects of ceftriaxone on cocaine-induced locomotion and glutamate release in the nucleus accumbens. Society for Neuroscience Annual Meeting, Chicago, IL: October 2009.

Knackstedt LA, Moussawi K, Kalivas PW. Glutamatergic adaptations in the nucleus accumbens following cocaine self-administration: abstinence vs. extinction. Society for Neuroscience Annual Meeting, Washington, DC: November 2008.

Knackstedt LA, Kalivas PW. Cocaine self-administration alters the expression of proteins associated with glutamatergic transmission and homeostasis at cortico-accumbens synapses. American College of Neuropsychopharmacology Annual Meeting, Boca Raton, FL: December, 2007.

Knackstedt LA, Melendez R, Kalivas PW. Cocaine self-administration alters the expression of proteins associated with glutamatergic transmission and homeostasis at cortico-accumbens synapses. Society for Neuroscience Annual Meeting, San Diego, CA: November, 2007.

Knackstedt LA, Kalivas PW. Cocaine self-administration alters the expression of proteins associated with glutamatergic transmission and homeostasis at cortico-accumbens synapses. Motivational Neuronal Network Conference, Porquerolles, France: May 2007.

Knackstedt LA, Kalivas PW. The Long-Access Model of Cocaine Addiction: Extended access to cocaine does not alter the expression of locomotor sensitization or reinstatement behavior relative to controls. Society for Neuroscience Annual Meeting, Atlanta, GA: October, 2006.

Knackstedt LA, Kalivas PW. Long-Access Model of Cocaine Addiction: Extended access to cocaine and escalation of drug-intake does not alter the expression of locomotor sensitization relative to non-escalated controls. Federation of European Neuroscience Societies Forum, Vienna, Austria: July 2006.

Knackstedt LA, Ettenberg A. Effects of ethanol consumption on the opponent-process properties of intravenous cocaine. Society for Neuroscience Annual Meeting, San Diego, CA: November 2004.

Knackstedt LA, Ettenberg A. Ethanol consumption voluntarily increases after pre-treatment with intravenous cocaine. Society for Neuroscience Annual Meeting, New Orleans, LA: November 2003.

Knackstedt LA, Ettenberg A. Ethanol consumption reduces the anxiogenic effects of IV cocaine in rats. Society for Neuroscience Annual Meeting, Orlando, FL: November 2002.

Knackstedt LA, Samimi M, Ettenberg A. Evidence for the opponent-process actions of intravenous cocaine and cocaethylene. Society for Neuroscience Annual Meeting, San Diego, CA: November 2001.

Poster Presentations (Local)

(g)= UF undergraduate author; #= UF graduate student author; (p) = post-doctoral fellow

Wilkinson, C.S. (g), Pustam, L.C. (ug), Wu, L., & **Knackstedt, L**. Anxiety, hypervigilance, and sex predict oxycodone self-administration, extinction, and relapse in a comorbid OUD+PTSD rodent model. North Central Florida Chapter Society for Neuroscience Virtual Conference. February, 2021.

Logan, C. (g), Bechard, A. (p), **Knackstedt, L**. Ceftriaxone increases surface mGlu2 expression in male and female rats. North Central Florida Society for Neuroscience Chapter Annual Meeting, Gainesville, FL: January, 2019.

Logan, C. (g), Weber ,R., Peris, J., Leong, K., **Knackstedt, L.**, Reichel, C. Oxytocin infused into the nucleus accumbens core decreases cocaine seeking and increases extracellular glutamat*e.* North Central Florida Society for Neuroscience Chapter Annual Meeting, Gainesville, FL: March 2018.

Logan, C. (g), Weber ,R., Peris, J., Leong, K., **Knackstedt, L.**, Reichel, C. Oxytocin infused into the nucleus accumbens core decreases cocaine seeking and increases extracellular glutamate. Statewide Graduate Student Research Symposium, Tallahassee, FL: April 2018.

Logan, C. (g), Weber ,R., Peris, J., Leong, K., **Knackstedt, L.**, Reichel, C. Oxytocin infused into the nucleus accumbens core decreases cocaine seeking and increases extracellular glutamate. University of Florida Graduate Student Research Symposium, Gainesville, FL. April 2018.

Logan, C. (g), Weber ,R., Peris, J., Leong, K., **Knackstedt, L**., Reichel, C. Oxytocin infused into the nucleus accumbens core decreases cocaine seeking and increases extracellular glutamate*.* Center of Addiction Research and Education Annual Symposium, Gainesville, FL: April 2018.

Bechard AR (p), Frias A (ug), Padovan Hernandez Y (ug), **Knackstedt LA**. Influence of sex and estrous cyclicity on ceftriaxone's ability to attenuate cue-primed reinstatement of cocaine-seeking behavior in rats. North Central Florida Society for Neuroscience Annual Meeting, Gainesville, FL. March 2017.

Bechard AR (p), Hodges, V (ug), **Knackstedt LA**. The effects of cue exposure therapy and ceftriaxone on cocaine relapse. North Central Florida Society for Neuroscience Annual Meeting, Gainesville, FL. March 2017.

Shallcross JF (g), Namba M (ug), **Knackstedt LA,** Schwendt M. Development of an animal model of comorbid PTSD and cocaine addiction: the role of mGluR5 in promoting resilience and reducing cocaine relapse. Center for Addiction Research and Education (CARE) Annual Meeting, Gainesville, FL. April 2016

Logan C (g), **Knackstedt LA.** Upregulation of GLT-1 transporters does not prevent the reinstatement of drug seeking. Center for Addiction Research and Education (CARE) Annual Meeting, Gainesville, FL. April 2016.

Gordon M (ug), Jackson B (ug), LaCrosse A (p), **Knackstedt LA**. Reversal learning is not protective against cocaine relapse. Center for Addiction Research and Education (CARE) Annual Meeting, Gainesville, FL. April 2016.

Shallcross JF (g), Namba M (ug), Hiller H, Krause EG, **Knackstedt LA**, Schwendt M. (2016). Development of an animal model of comorbid PTSD and cocaine addiction: the role of mGluR5 in promoting resilience and reducing cocaine relapse. North Central Florida Society for Neuroscience Annual Meeting, Gainesville, FL. March 2016.

Stennett B (g), Knackstedt **LA.** Using a rodent model of simultaneous cocaine and alcohol use to screen medications to prevent cocaine relapse. North Central Florida Society for Neuroscience Annual Meeting, Gainesville, FL. March 2015.

Knackstedt **LA** & Schwendt M. Ceftriaxone and MTEP attenuate context-primed relapse of cocaine-seeking after abstinence. Center for Addiction Research and Education (CARE) Annual Meeting, Gainesville, FL. April 2014.