

**Ronald Eugene See, Ph.D.**  
Curriculum Vitae – May 18, 2018

**Address**

Department of Psychology, 338 Winter Hall  
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Santa Barbara, CA 93108  
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**Education**

- 1984-1989 University of California, Los Angeles; M.A. and Ph.D. in Psychobiology  
Fields of study: Neuroscience, Psychology, Pharmacology
- 1982-1984 University of California, Berkeley; B.A. in Psychology with highest honors  
Fields of study: Psychology, German, Physiology
- 1981-1982 Georg-August University, Göttingen, Federal Republic of Germany
- 1979-1981 University of California, Berkeley

**Professional Experience**

- 2015-present: Professor, Department of Psychology  
Westmont College, Santa Barbara, CA
- 2013-2015: Professor of Neurosciences, Department of Internal Medicine, Faculty of Medicine  
University of Tabuk, Tabuk Province, Kingdom of Saudi Arabia
- 1999-2013: Professor, Department of Neurosciences (*adjunct status 2013-present*)  
Medical University of South Carolina, Charleston, SC
- 2002-2003: Professor, Department of Psychiatry, Kuwait University, Kuwait  
Psychopharmacology Consultant, Psychiatry Hospital, Kuwait City
- 1994-1998: Associate Professor, Department of Psychology, Neuroscience Program, and  
Pharmacology/Toxicology Program, Washington State University, Pullman, WA
- 1996-1997: Associate Professor, Department of Psychiatry, Kuwait University, Kuwait  
Psychopharmacology Consultant, Psychiatry Hospital, Kuwait City
- 1989-1994: Assistant Professor, Department of Psychology, Neuroscience Program, and  
Pharmacology/Toxicology Program, Washington State University, Pullman, WA
- 1984-1989: Graduate Teaching Assistant and Research Assistant in Psychobiology  
Department of Psychology, University of California, Los Angeles, CA
- 1983-1984: Surgical Research Assistant in Cardiology, Research Support Division  
Letterman Army Institute of Research, Presidio, San Francisco, CA
- 1982-1983: Research Assistant, Psychopharmacology research  
Department of Psychology, University of California, Berkeley, CA

### **Teaching Experience**

#### Undergraduate Courses:

Advanced Psychobiology  
Behavioral Neuroscience (with Laboratory)  
Brain Science and Society – Honors course  
Capstone Senior Research Seminar  
Experimental Methods in Psychobiology  
General Psychology  
History and Systems of Psychology  
Honors Introduction to Psychology  
Human Neuropsychology  
Introduction to Psychobiology  
Neuroanatomy Laboratory  
Psychopharmacology  
Sensation and Perception (with Laboratory)

#### Graduate and Medical Student Courses:

Behavioral Sciences  
Behavioral Pharmacology  
Pharmacology and Toxicology (Antipsychotic drugs)  
Biology of Neurological & Neuropsychiatric Diseases  
Clinical Psychopharmacology  
Foundations of Clinical Medicine  
Medical Neuroscience  
Medical student – Problem Based Learning  
Neuroanatomy Laboratory  
Psychobiology of Learning and Memory  
Psychopathology and Psychopharmacology  
Systems Neuroscience

### **Administrative Experience**

- Chair, Department of Psychology, Westmont College, 2017-present
- Director of Research Training and Development, Faculty of Medicine, University of Tabuk, 2013-2015
- Director of the Neuropsychopharmacology Laboratory, Medical University of South Carolina, 1999-2013
- Co-Director, Specialized Center of Research on Sex and Gender Factors Affecting Women's Health, Medical University of South Carolina, 2003-2013
- Core Director, Neurobiology of Addiction Research Center, Medical University of South Carolina, 2003-2013
- Director, Translational Research in Addiction Center, Medical University of South Carolina, 2006-2011
- President, Society for Neuroscience, South Carolina Chapter, 2005-2006
- Director, Graduate Neurosciences Program Admissions, Medical University of South Carolina, 2003-2006
- Director, NIDA Training Program, Medical University of South Carolina, 2000-2002
- Director, Graduate Program in Physiology & Neuroscience, Medical University of South Carolina, 1999-2002
- President, Society for Neuroscience, Northern Rocky Mountain Chapter, 1994-1995
- Director, Department of Psychology vivarium, Washington State University, 1991-1993

### **Research Interests**

- Hormonal biomarkers for repetitive transcranial magnetic stimulation effects in major depression
- Behavioral and neurobiological parameters of drug addiction, craving, and relapse
- Sex differences and hormonal regulation in addiction
- Neurobiology and neuropharmacology of psychotic disorders
- Antipsychotic drug effects on neurotransmitter function

### **Professional Society Membership**

- American Association for the Advancement of Science
- American College of Neuropsychopharmacology (Fellow)
- Federation of European Neuroscience Societies
- International Brain Research Organization
- International College of Neuropsychopharmacology (Fellow)
- Organization for the Study of Sex Differences
- Psi Chi, National Honor Society in Psychology
- Sigma Xi, the Scientific Research Society
- Slovenian Neuroscience Society (Slovensko Društvo za Nevroznanost)
- Society for Neuroscience

### **National Institutes of Health (NIH) Grants**

- 1) *Corticostriatal Neuroplasticity and Cognition in Methamphetamine Addiction* (Principal investigator) RO1 DA033049 – NIDA, 9/15/12–6/30/17 (\$225,000 annual direct costs).
- 2) *Translational Research in Methamphetamine Addiction Conference* (Principal investigator and conference organizer) R13 DA026241 – NIDA, 2/15/10-1/31/11 (\$25,000 direct costs).
- 3) *Interdisciplinary Medication Development for Multiple Risk Factors in Relapse* (Principal investigator) RO1 DA021690 – NIDA, 9/30/07–6/30/13 (\$1.2 million direct costs).
- 4) *Translational Research in Addiction Center* (Center Director and Principal investigator) P20 DA022658 – NIDA, 9/30/06–8/31/11 (\$2.2 million direct costs).
- 5) *PGP Regulation of Antipsychotic Exposure and Effects* (Co-investigator) RO1 - NIMH, 2/14/05–1/31/09 (\$800,000 direct costs).
- 6) *Neurobiology of Addiction Research Center* (Animal Core Director) P50 DA015369 – NIDA, 8/1/03–4/30/13 (Core = \$238,000 annual direct costs).
- 7) *Neurobiology of Addiction Research Center* (Principal investigator – Project #4, *Preclinical evaluation of anti-relapse medication*) P50 DA015369 – NIDA, 8/1/03–4/30/13 (Project 4 = \$91,000 annual direct costs).
- 8) *Specialized Center of Research on Sex and Gender Factors Affecting Women's Health* (Center Co-director and Principal investigator – Project #1, *Sex differences in orexin and oxytocin mediation of cocaine seeking*) P50 DA016511 – NIDA, 9/30/02–7/31/17 (Project 1 = \$136,983 annual direct costs).
- 9) *Cocaine Self-administration and Relapse in Mice: Influence of DAD1 Gene Deletion* (Co-investigator) R21 - NIDA, 4/1/01-3/31/04 (\$300,000 direct costs).
- 10) *Cues Associated with Stress: Their Impact on Alcohol Intake* (Co-investigator) P50 (pilot component) NIAAA, 1/1/01-12/31/01 (\$50,000 direct costs).
- 11) *Glutamate and Craving for Cocaine*, (Co-investigator) RO1 - NIDA, 2/1/00-1/31/05 (\$785,941 direct costs).
- 12) *Pallidal GABA and Atypicality of Antipsychotic Drugs* (Principal investigator) RO1, NIMH, 12/1/99-11/30/03 (\$370,160 direct costs).
- 13) *Drug Abuse Training Program* (Faculty mentor – pre and postdoctoral fellows) 5T32 DA007288 – NIDA, 7/1/99-6/30/17 (Program = \$326,711 annual direct costs).
- 14) *Striatal Mechanisms of Relapse to Cocaine-seeking* (Principal investigator) RO1 DA010462 – NIDA, 4/10/97–11/30/13 (\$200,000 annual direct costs).
- 15) *Alcohol Research Center: Treatment & Implications* (Co-investigator – Project #2, *Cognitive dysfunction and corticostriatal networks in alcohol dependence*) P50 AA10761 – NIAAA, 12/01/96–12/31/15 (Total center = \$1.16 million annual direct costs).
- 16) *Pharmacology of an Animal Model of Tardive Dyskinesia*, R29 (FIRST award) - National Institute of Dental Research, NIH, 2/1/91-1/31/96 (\$291,339 direct costs).

### **Other Research Grants**

- 1) *Equipping a Neuroscience Laboratory to Research the Effects of Stress Hormones* (Principal investigator) Hedco Foundation, 1/1/16 – 12/31/17 (\$37,500 direct costs).
- 2) *Endogenous Modulators Suppress Substance Use Disorders Associated with Chronic Stress* (Co-investigator) Institute for Molecular Neuroscience, 7/1/12–6/30/13 (\$170,000 direct costs).
- 3) *Conditioned Autonomic Responses and Drugs of Abuse* (Principal investigator) Institutional Grant, Medical University of South Carolina, 11/1/00-5/1/02 (\$20,000 direct costs).
- 4) *Neurochemical Correlates of Treatment Response to Chronic Risperidone in Schizophrenics* (Principal investigator) Kuwait University Faculty of Medicine, 1/1/97-12/31/97 (\$6,600).
- 5) *Development of an Animal Model for Multiple Chemical Sensitivity* (Co-investigator) Wallace Genetics Foundation, 1/1/95-12/31/95 (\$46,930).
- 6) *Behavioral and Neurochemical Parameters Following Chronic Cocaine Self-administration in Rats*, Washington State Alcohol & Drug Abuse Program, 7/1/93-6/30/94 (\$23,836).
- 7) *Equipment Grant*, Washington State Alcohol & Drug Abuse Program, 10/29/92 (\$3,936).
- 8) *Self-administration Facility*, Washington State Alcohol & Drug Abuse Program, 7/1/92-6/30/93 (\$37,284).
- 9) *Equipment Grant*, Graduate School, Washington State University, 3/11/91 (\$8,300).

- 10) *Neuropharmacology of Oral Dyskinesia*, Washington State University, 7/1/90-6/30/91 (\$12,990).
- 11) *Assessment of Dopaminergic Neurotransmission During Withdrawal from Repeated Cocaine*, Washington State Alcohol & Drug Abuse Program, 7/1/90-6/30/91 (\$16,690).
- 12) *Equipment Grant*, College of Arts and Sciences, Washington State University, 6/1/90 (\$3,718).
- 13) *Autoradiography of DA and GABA Receptors*, UCLA Graduate School, 9/1/88 (\$750).

#### **Individual Training Grants as Primary Mentor (Trainee)**

- 1) 1F31 DA029431 (Aram Parsegian) Impact of methamphetamine self-administration on glutamate and dopamine in the corticoaccumbens pathway, 2011-2013.
- 2) PACD Fellow (Parrish Waters) Postdoctoral Academic Career Development: Vasopressin receptors in cocaine addiction, 2011-2012.
- 3) 1F32 DA029344 (Carmela Reichel) Reversal of methamphetamine-induced cognitive deficits and mGlu receptors, 2010-2012.
- 4) 1F32 DA025411 (Deanne Buffalari) Beta noradrenergic receptor blockage of cocaine withdrawal-induced anxiety, 2008-2010.
- 5) 1F32 DA022842 (Jason Rogers) Effects of methamphetamine on relapse, working memory, and serotonin transporters, 2007-2009.
- 6) 1R36 DA024701 (Michele Bongiovanni) Sex differences in stress effects on cocaine seeking, 2007-2009.
- 7) 1F32 DA021063 (Matthew Feltenstein) Role of norepinephrine and the amygdala in drug relapse, 2006-2008.
- 8) 1F31 MH010644 (Mary Ann Chapman) Effects of antipsychotic drugs on brain GABA levels, 1993-1995.

#### **Fellowships and Awards**

- Fulbright Scholar: *Lecturing/Research Award*, J. William Fulbright Foreign Scholarship Board  
Visiting scholar at the University of Ljubljana, Slovenia, 2010.
- NIDA Award: *U.S. Distinguished International Scientist*, National Institute on Drug Abuse  
Visiting fellow at the University of Valencia, Spain, 2006.
- Research Fellowship: *Wellcome Research Travel Award*, Burroughs Wellcome Fund  
Visiting fellow at the University of Oxford, England, 1996.
- Young Investigator Travel Award: *Mead Johnson Award*  
American College of Neuropsychopharmacology, 1991.
- Predoctoral Training Fellowship: National Institute of Mental Health, 1987-1988.
- University Regents Graduate Fellowship: University of California, Los Angeles, 1984-1985.

#### **Published Research Articles (Peer reviewed)**

1. Leong KC, Freeman LR, Berini CR, Ghee SM, **See RE**, Reichel CM (2017) Oxytocin reduces cocaine cued fos activation in a regionally specific manner. *International Journal of Neuropsychopharmacology*; 20:844-854.
2. Cox BM, Bentzley BS, Regen-Tuero H, **See RE**, Reichel CM, Aston-Jones G (2017) Oxytocin acts in nucleus accumbens core to attenuate methamphetamine seeking and demand. *Biological Psychiatry*; 81:949-958.
3. Malcolm R, Myrick H, Li X, Henderson S, Brady KT, George M, **See RE** (2016) Regional brain activity in abstinent methamphetamine dependent males following cue exposure. *Journal of Drug Abuse*; 2(1):1-7.
4. Taheri S, Xun Z, **See RE**, Joseph JE, Reichel CM (2016) Cocaine and methamphetamine induce opposing changes in BOLD signal response in rats. *Brain Research*; 1642:497-504.
5. Cox BM, Cope ZA, Parsegian A, Floresco SB, Aston-Jones G, **See RE** (2016) Chronic methamphetamine self-administration alters cognitive flexibility in male rats. *Psychopharmacology*; 233(12):2319-2327.
6. Leong KC, Zhou L, Ghee SM, **See RE**, Reichel CM (2016) Oxytocin decreases cocaine taking, cocaine seeking, and locomotor activity in female rats. *Experimental and Clinical Psychopharmacology*; 24(1):55-64.
7. Zhou L, Ghee SM, **See RE**, Reichel CM (2015) Oxytocin differentially affects sucrose taking and seeking in male and female rats. *Behavioural Brain Research*; 283:184-190.

8. Scofield MD, Trantham-Davidson H, Schwendt M, Leong KC, Peters JL, **See RE**, Reichel CM (2015) Failure to recognize novelty after extended methamphetamine self-administration results from loss of long-term depression in the perirhinal cortex. Neuropsychopharmacology; 40(11):2526-2535.
9. Zhou L, Sun WL, Young AB, Lee KH, McGinty JF, **See RE** (2014) Oxytocin reduces cocaine seeking and reverses chronic cocaine-induced changes in glutamate receptor function. International Journal of Neuropsychopharmacology; 18(1):1-11.
10. Waters RP, Moorman DE, Young AB, Feltenstein MW, **See RE** (2014) Assessment of a proposed “three-criteria” cocaine addiction model for use in reinstatement studies with rats. Psychopharmacology; 231(16):3197-3205.
11. Reichel CM, Gilstrap MG, Ramsey LA, **See RE** (2014) Modafinil restores methamphetamine induced object-in-place memory deficits in rats independent of glutamate N-methyl d-aspartate receptor expression. Drug and Alcohol Dependence; 134:115-122.
12. Parsegian A, **See RE** (2014) Dysregulation of dopamine and glutamate release in the prefrontal cortex and nucleus accumbens following methamphetamine self-administration and during reinstatement in rats. Neuropsychopharmacology; 39:811-822.
13. Zhou L, Pruitt C, Shin CB, Garcia AD, Zavala AR, **See RE** (2014) Fos expression induced by cocaine-conditioned cues in male and female rats. Brain Structure and Function; 219(5):1831-1840.
14. Mahler SV, Feltenstein MW, Moorman DE, Cox BM, Ogburn KB, Bachar M, McGonigal JT, Ghee SM, **See RE** (2013) A rodent “self-report” measure of methamphetamine craving? Rat ultrasonic vocalizations during methamphetamine self-administration, extinction, and reinstatement. Behavioural Brain Research; 236:78-89.
15. Li X, Malcolm R, Huebner K, Hanlon C, Taylor J, Brady KT, George M, **See RE** (2013) Low frequency repetitive transcranial magnetic stimulation of the left dorsolateral prefrontal cortex transiently increases cue-induced craving for methamphetamine. Drug and Alcohol Dependence; 133:641-646.
16. Cox BM, Young A, **See RE**, Reichel CM (2013) Sex differences in methamphetamine seeking in rats: Impact of oxytocin. Psychoneuroendocrinology; 38:2343-2353.
17. Buffalari DM, Feltenstein MW, **See RE** (2013) The effects of varied extinction procedures on contingent cue-induced reinstatement in Sprague-Dawley rats. Psychopharmacology; 230:319-327.
18. Gill MJ, Ghee SM, Harper SM, **See RE** (2013) Inactivation of the lateral habenula reduces anxiogenic behavior and cocaine seeking under conditions of heightened stress. Pharmacology Biochemistry & Behavior; 111:24-29.
19. Buffalari DM, Baldwin CK, Feltenstein MW, **See RE** (2012) Corticotrophin releasing factor (CRF) induced reinstatement of cocaine-seeking in male and female rats. Physiology and Behavior; 105:209-214.
20. Reichel CM, Ramsey LA, Schwendt M, McGinty JF, **See RE** (2012) Methamphetamine-induced changes in the object recognition memory circuit. Neuropharmacology; 62:1119-1126.
21. Schwendt M, Reichel CM, **See RE** (2012) Extinction-dependent alterations in corticostriatal mGluR2/3 and mGluR7 receptors following chronic methamphetamine self-administration in rats. PLoS One; 7(3):e34299.
22. Zhou L, Ghee SM, Chan C, Lin L, Cameron MD, Kenny PJ, **See RE** (2012) Orexin-1 receptor mediation of cocaine seeking in male and female rats. Journal of Pharmacology & Experimental Therapeutics; 340:801-809.
23. Feltenstein MW, Ghee SM, **See RE** (2012) Nicotine self-administration and reinstatement of nicotine-seeking in male and female rats. Drug and Alcohol Dependence; 121:240-246.
24. Glavan G, **See RE**, Zivin M (2012) Differential patterns of synaptotagmin 7 mRNA expression in rats with kainate- and pilocarpine-induced seizures. PLoS One; 7(5):e36114.
25. Reichel CM, **See RE** (2012) Attenuation of methamphetamine-seeking after chronic modafinil administration in rats. International Journal of Neuropsychopharmacology; 15:919-929.
26. Zhou L, Aston-Jones G, Smith RJ, Do PH, **See RE** (2012) Repeated orexin 1 receptor antagonism effects on cocaine seeking in rats. Neuropharmacology; 63:1201-1207.
27. Buffalari DM, Baldwin CK, **See RE** (2012) Treatment of cocaine withdrawal anxiety with guanfacine: relationships to cocaine intake and reinstatement of cocaine-seeking in rats. Psychopharmacology; 223:179-190.
28. Reichel CM, Chan C, Ghee SM, **See RE** (2012) Escalation of methamphetamine self-administration in male and female rats: Cognitive and motivational consequences. Psychopharmacology; 223:371–380.

29. Gabriele A, Pacchioni A, **See RE** (2012) Dopamine and glutamate release in the dorsolateral caudate putamen following withdrawal from cocaine self-administration in rats. Pharmacology Biochemistry & Behavior; 103:373–379.
30. Pacchioni AM, Gabriele A, **See RE** (2011) Dorsal striatum mediation of cocaine-seeking after withdrawal from short or long daily access cocaine self-administration in rats. Behavioural Brain Research; 218:296–300.
31. Reichel CM, Schwendt M, McGinty JF, Olive MF, **See RE** (2011) Loss of object recognition memory produced by extended access to methamphetamine self-administration is reversed by positive allosteric modulation of metabotropic glutamate receptor 5. Neuropsychopharmacology; 36:782-792.
32. Parsegian A, Lavin A, Glen WB, **See RE** (2011) Methamphetamine self-administration produces attentional set-shifting deficits and alters prefrontal cortical neurophysiology in rats. Biological Psychiatry; 69:253–259.
33. Korte JE, Hiott FB, Brady KT, Malcolm R, **See RE** (2011) Distinctive characteristics of methamphetamine users presenting at public clinics: Steep rise in South Carolina, 2000-2005. Drug and Alcohol Dependence; 115:9-15.
34. Reichel CM, Moussawi K, Do P, Kalivas PW, **See RE** (2011) Chronic N-acetylcysteine during abstinence or extinction following cocaine self-administration produces enduring reductions in drug-seeking. Journal of Pharmacology & Experimental Therapeutics; 337:487-493.
35. Thomas S, Bacon AK, Randall PK, Brady KT, **See RE** (2011) An acute psychosocial stressor increases drinking in non-treatment-seeking alcoholics. Psychopharmacology; 218:19-28.
36. Thomas S, Randall PK, Brady KT, **See RE**, Drobos DJ (2011) An acute psychosocial stressor does not potentiate alcohol cue reactivity in non-treatment-seeking alcoholics. Alcoholism: Clinical and Experimental Research; 35:464-473.
37. Moussawi K, Zhou W, Shen H, Reichel C, **See RE**, Carr DB, Kalivas PW (2011) Reversing cocaine-induced synaptic potentiation provides enduring protection from relapse. Proceedings of the National Academy of Sciences; 108:385-390.
38. Galuska CM, Banna KM, Willse LV, Yahyavi-Firouz-Abadi N, **See RE** (2011) A comparison of economic demand and conditioned-cued reinstatement of methamphetamine- or food-seeking in rats. Behavioural Pharmacology; 22:312-323.
39. Waters RP, **See RE** (2011) Chronic cocaine self-administration attenuates the stress inducing effects of the benzodiazepine inverse agonist, FG 7142. Pharmacology Biochemistry & Behavior; 99:408-413.
40. Buffalari DM, **See RE** (2011) Inactivation of the bed nucleus of the stria terminalis attenuates conditioned cue-induced reinstatement and its potentiation by yohimbine in an animal model of relapse. Psychopharmacology; 213:19-27.
41. Gabriele A, **See RE** (2011) Lesions and reversible inactivation of the dorsolateral caudate-putamen impair cocaine-primed reinstatement to cocaine-seeking in rats. Brain Research; 1417:27-35.
42. Feltenstein MW, Henderson AR, **See RE** (2011) Enhancement of cue reinstatement of cocaine-seeking in rats by yohimbine: sex differences and the role of the estrous cycle. Psychopharmacology; 216:53-62.
43. Banna KM, Back SE, Do P, **See RE** (2010) Yohimbine stress potentiates conditioned cue-induced reinstatement of heroin-seeking in rats. Behavioural Brain Research; 208:144-148.
44. Ramamoorthy S, Samuvel DJ, Balasubramaniam A, **See RE**, Jayanthi LD (2010) Altered dopamine transporter function and phosphorylation following chronic cocaine self-administration and extinction in rats. Biochemical and Biophysical Research Communications; 391:1517-1521.
45. Taylor TG, Galuska CM, Banna K, Yahyavi N, **See RE** (2010) Response acquisition and fixed-ratio escalation based on interresponse times in rats. Journal of the Experimental Analysis of Behavior; 93:261–267.
46. Reichel CM, **See RE** (2010) Modafinil effects on reinstatement of methamphetamine-seeking in an animal model of relapse. Psychopharmacology; 210:337–346.
47. Pacchioni A, Gabriele A, Donovan JL, DeVane CL, **See RE** (2010) P-glycoprotein inhibition potentiates the behavioral and neurochemical actions of risperidone in rats. International Journal of Neuropsychopharmacology; 13:1067–1077.
48. Hearing MC, Schochet TL, **See RE**, McGinty JF (2010) Context-driven relapse to cocaine-seeking in abstinent rats increases activity-regulated gene expression in the basolateral amygdala and dorsal hippocampus differentially following short and long periods of abstinence. Neuroscience; 170:570-579

49. Gabriele A, **See RE** (2010) Reversible inactivation of the basolateral amygdala, but not the dorsolateral caudate-putamen, attenuates consolidation of cocaine-cue associative learning in an animal model of relapse. European Journal of Neuroscience; 32:1024-1029.
50. Feltenstein MW, Byrd EA, Henderson AR, **See RE** (2009) Attenuation of cocaine-seeking by progesterone treatment in female rats. Psychoneuroendocrinology 34:343-352.
51. Schwendt M, Rocha A, **See RE**, Pacchioni A, McGinty JF, Kalivas PW (2009) Extended methamphetamine self-administration in rats results in a selective reduction of dopamine transporter levels in the prefrontal cortex and dorsal striatum not accompanied by marked monoaminergic depletion. Journal of Pharmacology & Experimental Therapeutics 331:555-562.
52. **See RE** (2009) Dopamine D1 receptor antagonism in the prelimbic cortex blocks the reinstatement of heroin-seeking in an animal model of relapse. International Journal of Neuropsychopharmacology 12:431-436.
53. Smith RJ, **See RE**, Aston-Jones G (2009) Orexin/hypocretin signaling at the OX<sub>1</sub> receptor regulates cue-elicited cocaine-seeking. European Journal of Neuroscience 30:493-503.
54. Buffalari DM, **See RE** (2009) Footshock stress potentiates cue-induced cocaine-seeking in an animal model of relapse. Physiology and Behavior 98:614-617.
55. Feltenstein MW, Do PH, **See RE** (2009) Repeated aripiprazole administration attenuates cocaine-seeking in a rat model of relapse. Psychopharmacology 207:401-411.
56. Rogers JL, Ghee S, **See RE** (2008) The neural circuitry underlying reinstatement of heroin-seeking behavior in an animal model of relapse. Neuroscience 151:579-588.
57. Bongiovanni M, **See RE** (2008) A comparison of the effects of different operant training experiences and dietary restriction on the reinstatement of cocaine-seeking in rats. Pharmacology Biochemistry & Behavior 89:227-233.
58. Kippin TE, Szumlinski KK, Kapesova Z, Rezner B, **See RE** (2008) Prenatal stress enhances the psychomotor stimulant, motivational, and neurochemical effects of cocaine. Neuropsychopharmacology 33:769-782.
59. Samuvel DJ, Jayanthi LD, Manohar S, Kaliyaperumal K, **See RE**, Ramamoorthy S (2008) Dysregulation of dopamine transporter trafficking and function following prolonged abstinence from cocaine self-administration in rats: Evidence for differential regulation in caudate-putamen and nucleus accumbens. Journal of Pharmacology & Experimental Therapeutics 325:293-301.
60. Hearing MC, Miller SW, **See RE**, McGinty JF (2008) Relapse to cocaine-seeking increases activity-regulated gene expression differentially in the prefrontal cortex of abstinent rats. Psychopharmacology 198:77-91.
61. Rogers JL, De Santis S, **See RE** (2008) Extended methamphetamine self-administration enhances reinstatement of drug-seeking and impairs novel object recognition. Psychopharmacology 199:615-624.
62. Hearing MC, **See RE**, McGinty JF (2008) Relapse to cocaine-seeking increases activity-regulated gene expression differentially in the striatum and cerebral cortex of rats following short or long periods of abstinence. Brain Structure and Function 213:215-227.
63. Feltenstein MW, Altar CA, **See RE** (2007) Aripiprazole blocks reinstatement of cocaine-seeking in an animal model of relapse. Biological Psychiatry 61:582-590.
64. Berglind WJ, **See RE**, Fuchs RA, Ghee S, Whitfield TW, Miller SW, McGinty JF (2007) A BDNF infusion into the medial prefrontal cortex suppresses cocaine-seeking in rats. European Journal of Neuroscience 26:757-766.
65. Bowers MS, Chen BT, Chou JK, Osborne MPH, Gass JT, **See RE**, Bonci A, Janak PH, Olive MF (2007) Acamprosate attenuates cocaine and cue-induced reinstatement of cocaine-seeking behavior in rats. Psychopharmacology 195:397-406.
66. Rogers JL, **See RE** (2007) Inactivation of the ventral hippocampus attenuates cue-induced and cocaine-primed reinstatement of drug-seeking in rats. Neurobiology of Learning and Memory 87:688-692.
67. Feltenstein MW, **See RE** (2007) Plasma progesterone levels and cocaine-seeking in freely cycling female rats across the estrous cycle. Drug and Alcohol Dependence 89:183-189.
68. Schwendt M, Hearing MC, **See RE**, McGinty JF (2007) Chronic cocaine reduces RGS4 mRNA in rat prefrontal cortex and dorsal striatum. Neuroreport 18:1261-1265.
69. **See RE**, Elliott JC, Feltenstein MW (2007) The role of dorsal vs. ventral striatal pathways in cocaine-seeking behavior following prolonged abstinence in rats. Psychopharmacology 194:321-331.

70. Feltenstein MW, **See RE** (2007) NMDA receptor blockade in the basolateral amygdala disrupts consolidation of stimulus-reward memory and extinction learning during reinstatement of cocaine-seeking in an animal model of relapse. Neurobiology of Learning and Memory 88:435-444.
71. Berglind WJ, Case JM, Parker MP, Fuchs RA, **See RE** (2006) Dopamine D1 or D2 receptor antagonism within the basolateral amygdala differentially alters the acquisition of cocaine-cue associations necessary for cue-induced reinstatement of cocaine-seeking. Neuroscience 137:699-706.
72. Fuchs RA, Branham RK, **See RE** (2006) Different neural substrates mediate cocaine seeking following abstinence versus extinction training: A critical role for the dorsolateral caudate-putamen. Journal of Neuroscience 26:3584-3588.
73. Kippin TE, Fuchs RA, **See RE** (2006) Contributions of prolonged contingent and noncontingent cocaine exposure to enhanced reinstatement of cocaine-seeking in rats. Psychopharmacology 187:60-67.
74. Fuchs RA, Feltenstein MW, **See RE** (2006) The role of the basolateral amygdala in stimulus-reward memory and extinction memory consolidation and in subsequent conditioned-cued reinstatement of cocaine seeking. European Journal of Neuroscience 23:2809-2813.
75. Feltenstein MW, **See RE** (2006) Potentiation of cue-induced reinstatement of cocaine-seeking in rats by the anxiogenic drug yohimbine. Behavioural Brain Research 174:1-8.
76. Fuchs RA, Evans KA, Ledford CC, Parker MP, Case JM, Mehta RH, **See RE** (2005) The role of the mediodorsal prefrontal cortex, basolateral amygdala, and dorsal hippocampus in contextual reinstatement of cocaine seeking in rats. Neuropsychopharmacology 30:296-309.
77. Kippin TE, Fuchs RA, Mehta RH, Case JM, Parker MP, Bimonte-Nelson HA, **See RE** (2005) Potentiation of cocaine-primed reinstatement of drug seeking in female rats during estrus. Psychopharmacology 182:245-252.
78. Kokko KP, Hadden MK, Price KL, Orwig KS, **See RE**, Dix TA (2005) In vivo behavioral effects of stable, receptor-selective neurotensin analogues that cross the blood-brain barrier. Neuropharmacology 48:417-425.
79. Fuchs RA, Evans KA, Mehta RH, Case JM, **See RE** (2005) Influence of sex and estrous cyclicity on conditioned cue-induced reinstatement of cocaine seeking behavior in rats. Psychopharmacology 179:662-672.
80. Fuchs RA, Evans KA, Parker MC, **See RE** (2004) Differential involvement of orbitofrontal cortex subregions in conditioned cue-induced and cocaine-primed reinstatement of cocaine seeking in rats. Journal of Neuroscience 24:6600-6610.
81. Fuchs RA, Evans KA, Parker MC, **See RE** (2004) Differential involvement of the core and shell subregions of the nucleus accumbens in conditioned cue-induced reinstatement of cocaine seeking in rats. Psychopharmacology 176:459-465.
82. **See RE**, McLaughlin J, Fuchs RA (2003) Muscarinic receptor blockade of the basolateral amygdala disrupts acquisition, but not expression, of conditioned reinstatement of cocaine-seeking behavior in rats. Neuroscience 117:477-483.
83. Fuchs RA, **See RE**, Middaugh LD (2003) Conditioned stimulus-induced reinstatement of extinguished cocaine seeking in C57BL/6 mice: A mouse model of drug relapse. Brain Research 973:99-106.
84. McLaughlin J, **See RE** (2003) Selective inactivation of the dorsomedial prefrontal cortex and the basolateral amygdala attenuates conditioned-cued reinstatement of extinguished cocaine-seeking behavior in rats. Psychopharmacology 168:57-65.
85. Ledford CC, Fuchs RA, **See RE** (2003) Potentiated reinstatement of cocaine-seeking behavior following *d*-amphetamine infusion into the basolateral amygdala. Neuropsychopharmacology 28:1721-1729.
86. Fuchs RA, **See RE** (2002) Basolateral amygdala inactivation abolishes conditioned stimulus- and heroin-induced reinstatement of extinguished heroin-seeking behavior. Psychopharmacology 160:425-433.
87. **See RE**, Berglind WJ, Krentz L, Meshul CK (2002) Convergent evidence from microdialysis and presynaptic immunolabeling for the regulation of GABA release in the globus pallidus following clozapine or haloperidol administration in rats. Journal of Neurochemistry 82:172-180.
88. Grimm JW, Chapman MA, Zahm DS, **See RE** (2001) Decreased choline acetyltransferase immunoreactivity in discrete striatal subregions following chronic haloperidol in rats. Synapse 39:51-57.
89. **See RE**, Kruzich PJ, Grimm JW (2001) Dopamine, but not glutamate, receptor blockade in the basolateral amygdala attenuates conditioned reward in a rat model of relapse to cocaine-seeking behavior. Psychopharmacology 154:301-310.



90. Kruzich PJ, **See RE** (2001) Differential contributions of the basolateral and central amygdala in the acquisition and expression of conditioned relapse to cocaine-seeking behavior. Journal of Neuroscience 21:RC155:1-5.
91. Kruzich PJ, Congleton K, **See RE** (2001) Conditioned reinstatement of cocaine-seeking behavior with a discrete compound stimulus classically conditioned with intravenous cocaine. Behavioral Neuroscience 115:1086-1092.
92. **See RE**, Berglind WJ (2001) Decreased pallidal GABA following reverse microdialysis with clozapine, but not haloperidol. Neuroreport 12:3655-3658.
93. Grimm JW, **See RE** (2000) Dissociation of primary and secondary reward relevant limbic nuclei in an animal model of relapse. Neuropsychopharmacology 22:473-479.
94. Grimm JW, **See RE** (2000) Chronic haloperidol induced alterations in pallidal GABA and striatal D1 mediated dopamine turnover as measured by dual probe microdialysis in rats. Neuroscience 100:507-514.
95. Kruzich PJ, **See RE** (2000) An evaluation of the role of 5HT<sub>2A</sub> receptor antagonism during subchronic antipsychotic drug administration in rats. Brain Research 875:35-43.
96. Grimm JW, Kruzich PJ, **See RE** (2000) Contingent access to stimuli associated with cocaine self-administration is required for reinstatement of drug-seeking behavior. Psychobiology 28:383-386.
97. **See RE**, Fido AA, Maurice M, Ibrahim MM, Salama GMS (1999) Risperidone-induced increase of plasma norepinephrine is not correlated with symptom improvement in chronic schizophrenia. Biological Psychiatry 45:1653-1656.
98. Kruzich PJ, Grimm JW, Rustay NR, Parks CD, **See RE** (1999) Predicting relapse to cocaine-seeking behavior: A multiple regression approach. Behavioural Pharmacology 10:513-521.
99. **See RE**, Grimm JW, Kruzich PJ, Rustay N (1999) The importance of a compound stimulus in conditioned drug-seeking behavior following 1 week of extinction from self-administered cocaine in rats. Drug and Alcohol Dependence 57:41-49.
100. Grimm JW, Kruzich PJ, **See RE** (1998) Emergence of oral and locomotor activity in chronic haloperidol treated rats following cortical N-Methyl-D-Aspartate stimulation. Pharmacology Biochemistry & Behavior 60:167-173.
101. Grimm JW, Aravagiri M, **See RE** (1998) Ovariectomy results in lower plasma haloperidol levels in rats following chronic administration. Pharmaceutical Research 15:1640-1642.
102. Sorg BA, Willis JR, **See RE**, Hopkins B, Westberg HH (1998) Repeated low-level formaldehyde exposure produces cross-sensitization to cocaine: possible relevance to chemical sensitivity in humans. Neuropsychopharmacology 18:385-394.
103. Grimm JW, **See RE** (1998) Unique activation of extracellular striato-pallidal neurotransmitters in rats following acute risperidone. Brain Research 801:182-189.
104. Grimm JW, **See RE** (1997) Cocaine self-administration in ovariectomized rats is predicted by response to novelty, attenuated by 17- $\beta$  estradiol, and associated with abnormal vaginal cytology. Physiology & Behavior 61:755-761.
105. Meil WM, **See RE** (1997) Lesions of the basolateral amygdala abolish the ability of drug associated cues to reinstate responding during withdrawal from self-administered cocaine. Behav Brain Research 87:139-148.
106. Chapman MA, **See RE** (1996) Differential effects of unique profile antipsychotic drugs on extracellular amino acids in the ventral pallidum and globus pallidus of rats. Journal of Pharmacology & Experimental Therapeutics 277:1586-1594.
107. Roll JM, McSweeney FK, Meil WM, Hinson JH, **See RE** (1996) A preliminary examination of some effects of cocaine on within-session patterns of responding. Behavioural Processes 37:9-20.
108. Sorg BA, Willis JR, Nowatka TC, Ulibarri C, **See RE**, Westberg HH (1996) A proposed animal neurosensitization model for multiple chemical sensitivity in studies with formalin. Toxicology 111:135-145.
109. Meil WM, **See RE** (1996) Conditioned cued responding following prolonged withdrawal from self-administered cocaine in rats: an animal model of relapse. Behavioural Pharmacology 7:754-763.
110. **See RE**, Sorg BA, Lynch AM (1996) Subchronic administration of clozapine, but not haloperidol or metoclopramide, decreases dopamine D2 receptor mRNA levels in the nucleus accumbens and caudate putamen in rats. Neuroscience 72:99-104.

111. Chapman MA, **See RE** (1996) The neurotensin receptor antagonist SR48692 decreases extracellular striatal GABA in rats. Brain Research 729:124-126.
112. **See RE**, Lynch AM (1996) Duration dependent increase in striatal glutamate following prolonged fluphenazine administration in rats. European Journal of Pharmacology 308:279-282.
113. Meil WM, Roll JM, Grimm JW, Lynch AM, **See RE** (1995) Tolerance like attenuation to contingent and noncontingent cocaine induced elevation of extracellular dopamine in the ventral striatum following seven days of withdrawal from chronic treatment. Psychopharmacology 118:338-346.
114. **See RE**, Lynch AM (1995) Chronic haloperidol potentiates stimulated glutamate release in caudate putamen, but not prefrontal cortex. Neuroreport 6:1795-1798.
115. **See RE**, Lynch AM, Aravagiri M, Nemeroff CB, Owens MJ (1995) Chronic haloperidol-induced changes in regional dopamine release and metabolism and neurotensin content in rats. Brain Research 704:202-209.
116. **See RE** (1994) Differential effects of the enantiomers of 3-PPP on extracellular dopamine concentration in the caudate putamen and nucleus accumbens of rats. Naunyn-Schmiedeberg's Archives of Pharmacology 350:605-610.
117. Meil W, **See RE** (1994) Single pre-exposure to fluphenazine produces persisting behavioral sensitization accompanied by tolerance to fluphenazine-induced striatal dopamine overflow in rats. Pharmacology Biochemistry & Behavior 48:605-612.
118. **See RE**, Chapman MA (1994) Chronic haloperidol, but not clozapine, produces altered oral movements and increased extracellular striatal glutamate in rats. European Journal of Pharmacology 263:269-276.
119. Roll JM, Kelly BP, Benjamin F, **See RE** (1994) A method for examining the operant self-administration of respirable pharmaceuticals in rodents. Behavior Research Methods, Instruments, and Computers 26:427-430.
120. **See RE**, Striplin C, Kalivas PW (1993) Chronic haloperidol does not alter G protein  $\alpha$ -subunit levels in rats. Molecular Brain Research 19:219-221.
121. **See RE** (1993) Assessment of striatal extracellular dopamine and dopamine metabolites in haloperidol-treated rats exhibiting oral dyskinesia. Neuropsychopharmacology 9:101-109.
122. Chapman MA, **See RE**, Bissette G (1992) Neurotensin increases striatal dopamine release in vivo. Neuropeptides 22:175-183.
123. **See RE**, Chapman MA, Murray CE, Aravagiri M (1992) Regional differences in chronic neuroleptic effects on extracellular dopamine activity. Brain Research Bulletin 29:473-478.
124. **See RE**, Murray CE (1992) Changes in striatal dopamine release and metabolism during and after subchronic haloperidol administration in rats. Neuroscience Letters 142:100-104.
125. **See RE**, Chapman MA, Klitenick M (1992) Chronic neuroleptic administration decreases extracellular GABA in the nucleus accumbens but not in the caudate-putamen of rats. Brain Research 588:177-180.
126. **See RE**, Chapman MA, Meshul CK (1992) Comparison of chronic intermittent haloperidol and raclopride effects on striatal dopamine release and synaptic ultrastructure in rats. Synapse 12:147-154.
127. **See RE**, Chapman MA (1991) Cholinergic modulation of oral activity in drug naive and chronic haloperidol-treated rats. Pharmacology Biochemistry & Behavior 39:49-54.
128. **See RE** (1991) Striatal dopamine metabolism increases during long-term haloperidol administration in rats but shows tolerance to acute challenge with raclopride. Neuroscience Letters 129:265-268.
129. **See RE**, Sorg BA, Chapman MA, Kalivas PW (1991) In vivo assessment of release and metabolism of dopamine in the ventrolateral striatum of awake rats following administration of dopamine D1 and D2 receptor agonists and antagonists. Neuropharmacology 30:1269-1274.
130. **See RE**, Ellison G (1990) Intermittent and continuous haloperidol regimens produce different types of oral dyskinesias in rats. Psychopharmacology 100:404-412.
131. **See RE**, Ellison G (1990) Comparison of chronic administration of haloperidol and the atypical neuroleptics, clozapine and raclopride, in an animal model of tardive dyskinesia. European J Pharmacology 181:175-186.
132. Ellison GD, **See RE** (1990) Altered rest-activity cycles during chronic neuroleptic administration in rats. Pharmacology Biochemistry & Behavior 36:807-811.

133. **See RE**, Toga AW, Ellison G (1990) Autoradiographic analysis of regional alterations in brain receptors following chronic administration and withdrawal of typical and atypical neuroleptics in rats. Journal of Neural Transmission 82:93-109.
134. Weinstein D, **See RE**, Ellison GD (1989) Delayed appearance of facial tics following chronic fluphenazine administration in guinea pigs. Pharmacology Biochemistry & Behavior 32:1057-1060.
135. Ellison GD, **See RE** (1989) Rats administered chronic neuroleptics develop oral movements which are similar in form to those in humans with tardive dyskinesia. Psychopharmacology 98:564-566.
136. **See RE**, Aravagiri M, Ellison GD (1989) Chronic neuroleptic treatment in rats produces persisting changes in GABA<sub>A</sub> and dopamine D-2, but not dopamine D-1 receptors. Life Sciences 44:229-236.
137. Levin ED, Ellison GD, **See RE**, South D, Young E (1989) D1 and D2 interactions with pilocarpine-induced oral activity in rats. Pharmacology Biochemistry and Behavior 33:501-505.
138. Levin ED, **See RE**, South D (1989) Effects of dopamine D1 and D2 receptor antagonists on oral activity in rats. Pharmacology Biochemistry & Behavior 34:43-48.
139. **See RE**, Levin ED, Ellison GD (1988) Characteristics of oral movements in rats during and after chronic haloperidol and fluphenazine administration. Psychopharmacology 94:421-427.
140. Ellison GD, Johansson P, Levin ED, **See R**, Gunne LM (1988) Chronic neuroleptics alter the effects on oral movements of the D1 agonist SKF 38393 and the D2 agonist LY171555. Psychopharmacology 96:253-257.
141. **See RE**, Sant WW, Ellison GD (1987) Recording oral activity in rats reveals a long-lasting subsensitivity to haloperidol as a function of duration of previous haloperidol treatment. Pharmacology Biochemistry & Behavior 28:175-178.
142. Ellison GD, **See R**, Levin ED, Kinney J (1987) Tremorous mouth movements in rats administered chronic neuroleptics. Psychopharmacology 92:122-126.
143. Levy AD, **See RE**, Levin ED, Ellison GD (1987) Neuroleptic-induced oral movements in rats: methodological issues. Life Sciences 41:1499-1506.

#### Review Articles and Chapters

1. Bernheim A, **See RE**, Reichel CM (2016) Chronic methamphetamine self-administration disrupts cortical control of attention and memory. Neuroscience & Biobehavioral Reviews 69:36-48.
2. Feltenstein MW, **See RE** (2013) Systems level neuroplasticity in drug addiction. In: Addiction, Cold Spring Harbor Perspectives in Medicine, Cold Spring Harbor Laboratory Press; pp. 43-61.
3. Reichel CM, **See RE** (2012) Chronic N-acetylcysteine after cocaine self-administration produces enduring reductions in drug-seeking. Neuropsychopharmacology Reviews 37(1):298.
4. **See RE**, Waters RP (2011) Pharmacologically-induced stress: a cross-species probe for translational research in drug addiction and relapse. The American Journal of Translational Research 3(1):81-89.
5. Zhou L, Sun WL, **See RE** (2011) Orexin receptor targets for anti-relapse medication development. Pharmaceuticals 4:804-821.
6. Buffalari DM, **See RE** (2010) Amygdala mechanisms of pavlovian psychostimulant conditioning and relapse. Current Topics in Behavioral Neurosciences 3:73-99.
7. **See RE**, Kalivas PW (2009) Neuroscience of substance abuse and dependence. In: Kaplan & Sadock's Comprehensive Textbook of Psychiatry (Eds. Sadock BJ, Sadock VA, Ruiz P), 9<sup>th</sup> edition, Lippincott Williams & Wilkins, Philadelphia; pp. 387-393.
8. Yahyavi-Firouz-Abadi N, **See RE** (2009) Anti-relapse medications: Preclinical models for drug addiction treatment. Pharmacology & Therapeutics 124(2):235-247.
9. Feltenstein MW, **See RE** (2008) The neurocircuitry of addiction: An overview. British Journal of Pharmacology 154(2):261-274.
10. **See RE** (2005) Neural substrates of cocaine-cue associations that trigger relapse. European Journal of Pharmacology 526:140-146.
11. **See RE**, Fuchs RA, Ledford CC, McLaughlin J (2003) Drug addiction, relapse, and the amygdala. Annals of the New York Academy of Sciences 985:294-307.

12. Kalivas PW, McFarland K, **See RE** (2003) Psychiatric pathophysiology: Addiction. In: Psychiatry (Eds. Tasman A, Kay J, Lieberman JA), 2<sup>nd</sup> edition, Vol. 1, John Wiley & Sons, Chichester, England; pp. 330-337.
13. **See RE** (2002) Neural substrates of conditioned-cued relapse to drug-seeking behavior. Pharmacology, Biochemistry and Behavior 71(1):137-149.
14. **See RE** (2000) The role of neurotransmitter receptors in the adverse effects of antipsychotic drugs. In: Neurotransmitter Receptors in Actions of Antipsychotic Medications, CRC Press; pp. 221-242.
15. **See RE**, Kalivas PW (1996) Tolerance and sensitization to the effects of antipsychotic drugs on dopamine transmission. In: Handbook of Experimental Pharmacology, Vol. 120: Antipsychotics, (Ed. Csernansky JG), Springer Verlag; pp. 203-224.
16. **See RE**, Chapman MA (1994) The consequences of long-term antipsychotic drug administration on basal ganglia neuronal function in laboratory animals. Critical Reviews in Neurobiology 8:85-124.
17. Ellison G, **See RE** (1991) A computerized methodology for the study of neuroleptic-induced oral dyskinesias. In: Neuromethods, Vol. 18: Animal Models in Psychiatry I, Humana Press; pp. 363-398.

### Field Reviewer

*Editorial board member:* Neuropsychopharmacology (2009-present), American Journal of Translational Research (2010-present), Journal of Translational Medicine (2010-present), Addiction Genetics (2012-present), Translational Medicine Communications (2015-present), Saudi Journal of Medicine & Medical Sciences (2017-present)

*Ad hoc reviewer:*

Addiction Biology	Expert Review of Clinical Pharmacology	Neurobiology of Aging
Alcohol	Frontiers in Neuroscience	Neurobiology of Learning & Memory
Archives of General Psychiatry	Hippocampus	Neuropharmacology
Behavioral Neuroscience	Hormones and Behavior	Neuropsychopharmacology
Behavioural Brain Research	Human Psychopharmacology	Neuroscience
Biological Psychiatry	Int J of Neuropsychopharmacology	Neuroscience & Biobehavioral Reviews
Brain Research	Journal of Addiction Medicine	Neuroscience Letters
Brain Research Bulletin	Journal of Clinical Psychiatry	Neurotoxicity Research
Brain Structure and Function	Journal of Neurochemistry	Pharmacology Biochemistry & Behavior
Critical Reviews in Neurobiology	Journal of Neuroscience	Physiology and Behavior
Current Drug Abuse Reviews	Journal of Neuroscience Research	PLoS ONE
Drug and Alcohol Dependence	Journal of Pharmacological Sciences	Proceedings Nat Academy of Sci USA
Drug Discovery Today	Journal of Pharmacol & Exper Therap	Psychiatry Research
European Journal of Neuroscience	Journal of Proteome Research	Psychopharmacology
European Neuropsychopharmacology	Journal of Psychopharmacology	Southern Medical Journal
Experimental Brain Research	Learning and Memory	Synapse
Experimental Neurology	Life Sciences	Trends in Neuroscience

### Service

Undergraduate students:

- Faculty advisor for psychology majors (20 each academic year), 2016-present
- Committee member, multiple student honors projects, 2016-present
- Faculty mentor, Global and International Student Association (GISA), Westmont College, 2015-present
- Faculty mentor, Drug Abuse Research Training (DART) fellowship, 2012
- Faculty mentor, MUSC summer undergraduate research fellowship, 2001-2002, 2006-2012
- MUSC summer undergraduate research fellowship program reviewer, 1999-2000
- Faculty advisor for psychology and neuroscience majors (30-35 each academic year), 1989-1998
- Faculty sponsor for senior honors thesis and student research projects (2-4 each academic year), 1989-1998
- Undergraduate student fellowship committee member, 1997-1998
- Faculty mentor for Howard Hughes Undergraduate Scholar program, 1994-1996
- Undergraduate studies committee member, 1993-1995

Graduate students:

- Committee chair: multiple doctoral degrees, masters degrees, preliminary examinations, 1989-2015
- Committee member: multiple doctoral degrees, masters degrees, preliminary examinations, 1989-2015
- Neurosciences - Graduate program committee member, 1999-2013

- Medical Scientist Training Program (MD-PhD) - Admissions committee member, 2009-2012
- Neurosciences - Graduate program admissions director, 2003-2006
- Physiology and Neuroscience - Graduate program director, 1999-2002
- Graduate admissions committee member, 1997-1998
- Graduate student fellowship committee member, 1997-1998
- Graduate student research fellowship committee chair, 1994-1995

#### Departmental:

- Department chair, 2017-present
- Tenure guidance committee member for junior faculty, 1994-2013
- Department education committee member, 2004-2013
- Faculty search committee member (Neurosciences – Experimental Neurology), 2010-2011
- Faculty search committee member (Cognitive Neurosciences), 2008-2010
- Faculty search committee member (Neurosciences), 2005-2006
- Space committee chair, 2004-2006
- Faculty search committee member (Neurosciences), 1999-2001
- Faculty search committee member (Clinical Psychology), 1993-1994
- Department space committee member, 1992-1993
- Faculty search committee member (Physiological Psychology), 1992-1993
- Faculty search committee member (Learning/Physiological Psychology), 1992-1993
- Annual faculty review committee member, 1991-1993
- Department vivarium director, 1991-1993
- Department planning committee member, 1991-1992
- Faculty search committee member (Sensory Psychology), 1990-1991

#### University/College:

- Westmont College, Diversity committee member, 2016-present
- University of Tabuk, Faculty of Medicine, Director of Training and Research, 2013-2015
- University of Tabuk, Faculty of Medicine, Education committee member, 2014-2015
- University of Tabuk, Faculty of Medicine, Chair of Scientific meeting committee, 2013-2014
- MUSC College of Medicine Diversity Committee member, 2007-2013
- MUSC University Promotion and Tenure Committee member, 2009-2013
- MUSC Institutional Animal Care and Use Committee member (IACUC), 2011-2013
- K12 Building Interdisciplinary Research Careers in Women's Health, Steering committee member, 2007-2012
- MUSC Board of Trustees Leadership Academy member, 2008-2009
- MUSC Excellence Communications Team member, 2007-2009
- MUSC Associate Provost for Faculty Development, Search committee member, 2008
- MUSC University Research Committee member, 2002-2006
- Faculty search committee member (Neurology), 2004-2005
- MUSC Graduate Council member, 2000-2002
- Director, NIDA Training Program, 2000-2002
- Medical student curriculum committee member, 1999-2000
- MUSC research committee, grant reviewer, 1999-2000
- Substance abuse curriculum committee member, 1999-2000
- Animal facilities planning committee member, 1999-2000
- MUSC Graduate school dean - search committee member, 1999-2000
- Tenure review committee member, College of Liberal Arts, 1997-1999
- Grant review committee member, Washington State Alcohol and Drug Abuse Program, 1991-1998
- Executive committee member, Program in Neuroscience, 1997-1998
- Dean's advisory committee member, 1997-1998
- Scientific affairs advisory committee member, Kuwait University Faculty of Medicine, 1996-1997; 2002-2003
- Grant reviewer, Kuwait University Faculty of Medicine, 1996-1997
- Graduate studies committee member, 1994-1996
- Program reviewer for Ph.D. program in Zoology, 1994-1995
- Planning committee member, Pharmacology/Toxicology Graduate Program, 1993-1994
- Institutional animal care and use committee member (IACUC), 1991-1993
- Faculty search committee member (Pharmacology), 1992-1993
- Grant review committee member, Graduate student research grant program, 1991-1992

External grant reviewer:

- Fulbright Scholar Program grant reviewer, 2016-present
- Kuwait University grant reviewer, 2002-present
- K12 Building Interdisciplinary Research Careers in Women's Health grant reviewer, 2014
- University of Wisconsin-Milwaukee Research Growth Initiative grant reviewer, 2013
- South Carolina Clinical and Translational Research Institute (SCTR) grant reviewer, 2012
- NIH – Neurobiology of Motivated Behavior (NMB) study section - permanent member, 2007-2011
- AXA Research Fund grant reviewer, 2010
- Medical Research Council - UK, Neurosciences and Mental Health Board grant reviewer, 2010
- NIH – NIDA Special Emphasis Panel – P01 Program Project study section reviewer, 2009
- NIH – NIDA Special Emphasis Panel – P20 Centers study section reviewer, 2008
- Republic of Georgia National Science Foundation grant reviewer, 2006
- NIH – Neurobiology of Motivated Behavior (NMB) study section reviewer, 2005-2006
- NIH - NIMH Special emphasis panel committee member, 2001-2005
- NIH - NIMH B/Start grant reviewer, 2001
- NIH - NIDA Contract review panel committee member, 1999-2000
- NIH - NIMH Special emphasis panel committee member (MDCN-3), 1999
- Medical Research Council of Canada grant reviewer, 1997

External service:

- Reviewer, tenure & promotion: Department of Psychology, Concordia University, 2017
- R21/R33 consultant, Dr. Ravi Kumar, Texas A&M University, 2016
- Reviewer, tenure & promotion: Department of Psychology, University of Toronto, 2016
- Reviewer, tenure & promotion: School of Behavioral & Brain Sciences, University of Texas, 2016
- Scientific Advisory Board member, Translational Methamphetamine AIDS Research Center, UCSD, 2010-2016
- Reviewer, tenure & promotion: Department of Psychiatry, University of Pennsylvania, 2013
- Scientific Advisory Board member, Center on Interoceptive Dysregulation in Drug Addiction, UCSD, 2011-2013
- American College of Neuropsychopharmacology, History Committee member, 2010-2012
- RO1 consultant, Dr. Matthew Lattal, Oregon Health Sciences University, 2012
- Reviewer, tenure & promotion: Department of Human Genetics, Emory University, 2012
- RO1 consultant, Dr. Xiu Liu, University of Mississippi, 2011
- Reviewer, tenure & promotion: Arizona State Univ; Univ Florida; Hunter College; Univ of Virginia, 2011
- Reviewer, tenure & promotion: Univ Texas, El Paso; Texas A&M Univ; Univ of Virginia, 2009
- Reviewer, tenure & promotion: Univ California, San Diego; Univ Pennsylvania; Univ Toronto, 2008
- RO1 consultant, Dr. Glen Hanson, University of Utah, 2008
- K99 consultant, Dr. Timothy Bredy, UCLA, 2008
- K99 consultant, Dr. Courtney Miller, University of Alabama, 2008
- American College of Neuropsychopharmacology, Education and Training Committee member, 2005-2007
- RO1 consultant, Dr. Foster Olive, MUSC, 2007
- RO1 consultant, Dr. Lotta Granholm, MUSC, 2007
- Reviewer, tenure & promotion: Univ California, Los Angeles; Marquette Univ; Boston Univ; Kansas State Univ, 2007
- President, Society for Neuroscience – South Carolina Chapter, 2005-2006
- External consultant, Review of Biopsychology Program, Univ Oklahoma Health Sciences Center, 2002
- Reviewer, faculty tenure and promotion – Univ New Orleans, 2000
- VA Merit grant consultant, Dr. Charles Meshul, OHSU, 2000
- President, Society for Neuroscience - Northern Rocky Mountain Chapter, 1994-1995

**Postdoctoral Fellows and Graduate Students**Research Faculty

Carmela Reichel, Ph.D.	2011-2013 (K award mentor)
Marek Schwendt, Ph.D.	2008-2012 (co-mentor)
Matthew Feltenstein, Ph.D.	2007-2012 (K award mentor)
Sudie Back, Ph.D.	2007-2010 (K award co-mentor)
Rita Fuchs, Ph.D.	2003-2005

Postdoctoral Fellows (Primary mentor)

Luyi Zhou, Ph.D.	2009-2014
Margaret Gill, Ph.D.	2010-2013

R. Parrish Waters, Ph.D.	2009-2012
Carmela Reichel, Ph.D.	2009-2011
Amanda Gabriele, Ph.D.	2008-2011
Deanne Buffalari, Ph.D.	2007-2010
Alejandra Pacchioni, Ph.D.	2008-2009
Noushin Yahyavi, M.D.	2008-2009
Kelly Banna, Ph.D.	2007-2009
Jason Rogers, Ph.D.	2005-2008
Matthew Feltenstein, Ph.D.	2004-2007
Jay Elliott, Ph.D.	2005-2006
Tod Kippin, Ph.D.	2004-2005
Rita Fuchs, Ph.D.	2001-2003
Joselyn McLaughlin, Ph.D.	2000-2002
Leah Adams Curtis, Ph.D.	1990-1992

#### Doctoral Committees – Preliminary Examinations

Brittney Cox	2013	Committee chair	Neurosciences
Nortorious Coleman	2012	Committee member	Neurosciences
Zackary Cope	2011	Committee member	Neurosciences
Jacob Beckley	2010	Committee member	Neurosciences
Aram Parsegian	2009	Committee chair	Neurosciences
Gregory Sartor	2009	Committee member	Neurosciences
Matthew Hearing	2008	Committee member	Neurosciences
Timothy Whitfield	2007	Committee member	Neurosciences
Matthew Pava	2007	Committee member	Neurosciences
Michele Bongiovanni	2007	Committee chair	Neurosciences
Adrian Sproul	2006	Committee member	Molecular and Cellular Biology
Kevin Johnson	2005	Committee member	Neurosciences
Robin Willard	2005	Committee member	Neurosciences
Kathleen Willett	2005	Committee member	Neurosciences
William Berglund	2004	Committee member	Neurosciences
Jamie Peters	2004	Committee member	Neurosciences
Kimber Price	2004	Committee member	Neurosciences
Christopher Hunter	2002	Committee member	Neurosciences
Todd Hamilton	1998	Committee member	Physiological Psychology
Paul Kruzich	1996	Committee chair	Physiological Psychology
Tanja Obradovic	1995	Committee member	Pharmacology
Jeffrey Grimm	1995	Committee chair	Physiological Psychology
Christopher Bowd	1994	Committee member	Cognitive Psychology
Leigh Ann Stublely	1994	Committee member	Physiological Psychology
Gary Gargano	1993	Committee member	Cognitive Psychology
William Meil	1993	Committee chair	Physiological Psychology
Connie Tamura	1993	Committee member	Pharmacology
Robert Crane	1993	Committee member	Cognitive Psychology
Cari Cannon	1993	Committee member	Animal Learning
Kelly Johnson	1993	Committee member	Animal Learning
Mary Ann Chapman	1992	Committee chair	Physiological Psychology
Robert Bramucci	1992	Committee member	Cognitive Psychology
Caryn Striplin	1992	Committee member	Neurosciences
Shiouh-yi Chen	1992	Committee member	Pharmacology
Kim Roberts	1992	Committee member	Neurosciences
Raymond Phinney	1992	Committee member	Cognitive Psychology
John Roll	1991	Committee member	Animal Learning
Grant McLaren	1991	Committee member	Physiological Psychology
Douglas Waring	1991	Committee member	Cognitive Psychology
Victoria Cook	1990	Committee member	Neurosciences
John Coleman	1990	Committee member	Physiological Psychology

#### Doctoral Committees – Dissertation Committees

Brittney Cox	2010-2015	Committee chair	Neurosciences
Jennifer Wright	2013-2013	Committee member	Pharmacology (McGill University)

Bok Soon Go	2012-2013	Committee member	Neurosciences
Jacob Beckley	2011-2013	Committee member	Neurosciences
Aram Parsegian	2008-2012	Committee chair	Neurosciences
Ashley Fortress	2008-2011	Committee member	Neurosciences
Gregory Sartor	2007-2011	Committee member	Neurosciences
Matthew Pava	2007-2011	Committee member	Neurosciences
Matthew Hearing	2007-2010	Committee member	Neurosciences
Timothy Whitfield	2007-2010	Committee member	Neurosciences
Rachel Smith	2007-2008	Committee member	Neurosciences (Univ of Pennsylvania)
Anand Shunmugavel	2007-2008	Committee member	Molecular and Cellular Biology
Kathleen Willett	2005-2008	Committee member	Neurosciences
Kevin Johnson	2004-2007	Committee member	Neurosciences
Robin Willard	2003-2007	Committee member	Neurosciences
William Berglind	2003-2007	Committee member	Neurosciences
Jamie Peters	2003-2007	Committee member	Neurosciences
Brice Williams	2003-2006	Committee member	Neurosciences
Kimber Price	2003-2006	Committee member	Neurosciences
Octavia Peck	2000-2005	Committee member	Physiology
Kyle Kokko	2000-2002	Committee member	Pharmaceutical Sciences
Chad Swanson	1999-2001	Committee member	Neurosciences
Paul Kruzich	1997-2000	Committee chair	Neurosciences
Jeffrey Grimm	1996-1999	Committee chair	Physiological Psychology
Robert Bramucci	1994-1997	Committee member	Cognitive Psychology
Raymond Phinney	1994-1996	Committee member	Cognitive Psychology
Gina Ortolá	1994-1996	Committee member	Clinical Psychology
William Meil	1994-1996	Committee chair	Physiological Psychology
Frank Koegler	1993-1996	Committee member	Neurosciences
Caryn Striplin	1993-1994	Committee member	Neurosciences
Connie Tamura	1993-1994	Committee member	Pharmacology
Mary Ann Chapman	1992-1994	Committee chair	Physiological Psychology
John Roll	1992-1994	Committee member	Animal Learning
Kimberly Roberts	1992-1993	Committee member	Neurosciences
John Coleman	1991-1993	Committee member	Physiological Psychology
Grant McLaren	1991-1993	Committee member	Physiological Psychology
Victoria Cook	1990-1991	Committee member	Neurosciences
Laurie Jensen	1989-1990	Committee member	Physiological Psychology

#### Masters Thesis Committees

Amy Young	2010-2012	Committee chair	Neurosciences
Alex Woodell	2009-2010	Committee member	Neurosciences
Michele Bongiovanni	2006-2008	Committee chair	Neurosciences
Lourdes Nogueira	2005-2007	Committee member	Neurosciences
Christopher Ledford	2001-2002	Committee chair	Neurosciences
Robin Chapman	2001-2002	Committee member	Physiology
Robert Stroud	2000-2002	Committee member	Physiology
John Tzaferis	2000-2001	Committee member	Neurosciences
Julie Stratmann	1995-1996	Committee member	Physiological Psychology
Robert Willis	1995-1996	Committee chair	Physiological Psychology
Jeffrey Grimm	1994-1995	Committee chair	Physiological Psychology
Leigh Ann Stublely	1993-1994	Committee member	Physiological Psychology
Steve Becker	1993-1994	Committee member	Cognitive Psychology
Mary Ann Chapman	1990-1991	Committee chair	Physiological Psychology

#### **Invited Colloquia and Conference Presentations**

1. 2018 International Conference on Learning and Memory, Huntington Beach CA, 4/21/18: "The conditioned cue-induced model of relapse: Revealing the persistence of memories in addiction"
2. Brain Awareness Week, University of Ljubljana, Slovenia, 3/12/18 – 3/16/18: Series of guest lectures in neuroscience.
3. College of Pharmacy, University of South Carolina, Columbia SC, 10/10/17: "Mechanisms of oxytocin in the attenuation of psychostimulant addiction"
4. Department of Psychology, California State University, San Bernardino CA, 5/10/17: "New uses for an old hormone: Oxytocin as a potential treatment for psychostimulant addiction"
5. Chapel Speaker, Westmont College, Santa Barbara, CA, 3/27/2017: "Walking life's path with God"



6. Science & Faith Club, Westmont College, Santa Barbara, CA, 10/20/2016: "Perspectives on free will: How does recent neuroscience research inform our views?"
7. 30<sup>th</sup> CINP World Congress of Neuropsychopharmacology, Seoul, Korea, 7/5/16: "Oxytocin attenuates drug seeking in a model of psychostimulant addiction and relapse"
8. Department of Psychological & Brain Sciences, University of California, Santa Barbara CA, 1/7/16: "Oxytocin reduces motivated drug seeking for cocaine and methamphetamine"
9. Drugs of Abuse and Mental Disease Conference, Fondazione Zardi Gori, Milan, Italy, 11/6/15: "Oxytocin as a potential pharmacotherapy for psychostimulant addiction"
10. 11th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/18/15: "Noninvasive neuromodulation as a potential treatment for drug addiction"
11. 11th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/16/15: "New applications for an old peptide: Oxytocin as a pharmacotherapy in Psychiatry"
12. Westmont College, Montecito, CA, 3/19/15: "Can the "love hormone" treat drug addiction? Evidence for reduction of drug seeking by oxytocin"
13. Faculty of Medicine, University of Tabuk, Tabuk, Saudi Arabia, 2/5/14: "How to effectively publish your research"
14. SiNAPSA Neuroscience Conference 2013, Ljubljana, Slovenia, 9/28/13: "Oxytocin reduces cocaine seeking and restores cocaine-induced decreases in glutamate receptor function"
15. Department of Biology, Faculty of Sciences, University of Tabuk, Tabuk, Saudi Arabia, 6/8/13: "Recent studies on glutamate/dopamine neuroplasticity in methamphetamine addiction"
16. Dopamine 2013 Conference, Alghero, Sardinia, Italy, 5/28/13: "Methamphetamine-induced alterations in prefrontal cortex glutamate and dopamine function"
17. American Psychological Association Annual Meeting 2012, Orlando, FL, 8/4/12: "Sex differences in orexin 1 receptor mediation of reinstatement to cocaine seeking"
18. Collegium Internationale Neuro-Psychopharmacologicum 28<sup>th</sup> Congress, Stockholm, Sweden, 6/4/12: "Cortico-striatal glutamate dysregulation in an animal model of cocaine addiction and relapse"
19. Sex/Gender and Drugs of Abuse Conference, University of Michigan, Ann Arbor, MI, 5/22/12: "Relapse to drug seeking in males and females: Behavior and brain differences"
20. 8th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/19/12: "Anti-relapse pharmacotherapy for drug addiction"
21. 8th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/18/12: "Cue-induced neural circuit activation in methamphetamine dependent subjects"
22. Faculty of Medicine, University of Tabuk, Tabuk, Saudi Arabia, 4/16/12: "Translational neuroscience research in medication development for addiction: From bench to bedside"
23. Integrative Neuroscience Research Center, Marquette University, Milwaukee, WI, 4/10/12: "Chronic methamphetamine-induced changes in motivational and cognitive neurocircuitry"
24. Eighth Annual Interdisciplinary Women's Health Research Symposium, NIH, Bethesda, MD, 11/17/11: "Sex differences in orexin 1 receptor mediation of reinstatement to cocaine-seeking in an animal model of relapse"
25. Southeastern Association for Behavior Analysis Annual Conference, Charlotte, NC, 10/29/11: "Drug-cue associative learning in animal models of drug addiction"
26. West China Hospital, Sichuan University, Chengdu, China, 10/17/11: "Neurobiological substrates of motivational and cognitive deficits in methamphetamine addiction"
27. Sino-American Symposium on Drug Addiction, Ningbo, China, 10/11/11: "Methamphetamine-induced changes in memory and attentional processing"
28. SiNAPSA Neuroscience Conference 2011, Ljubljana, Slovenia, 9/23/11: "Psychostimulant-induced neuroadaptive changes in prefrontal cortex and cognitive dysfunction"
29. Frontiers in Neuroscience 2011, Seabrook Island, SC, 4/15/11: "Stress my brain, gonna need cocaine: stress and cues in relapse"
30. Experimental Biology 2011, Washington, DC, 4/10/11: "Preclinical models of conditioned drug effects and drug-seeking"
31. South Carolina Clinical & Translational Research Institute (SCTR) Conference, Charleston, SC, 2/25/11: "Cognitive deficits in methamphetamine addiction"
32. Dept of Psychiatry, Virginia Commonwealth University, Richmond, VA, 2/18/11: "Chronic methamphetamine-induced changes in memory and attentional processing"
33. Winter Conference on Brain Research, Keystone, CO, 1/25/11: "Noradrenergic  $\alpha$ 2 modulation of reinstatement of cocaine seeking"
34. World Association for Social Psychiatry, Marrakech, Morocco, 10/25/10: "Stress-cue interactions in drug addiction"
35. Translational Research in Methamphetamine Addiction Conference, Chico Hot Springs, Montana, 7/20/10: "Cognitive dysfunction after chronic methamphetamine self-administration in rats"
36. Center for the Prevention and Treatment of Drug Addiction, University of Ljubljana, Slovenia, 5/20/10: "Potential anti-relapse medications for psychostimulant addiction"
37. Slovenian Neuroscience Association, University of Ljubljana, Slovenia, 5/19/10: "Antipsychotic drugs: A review of their pharmacology and the potential role of p-glycoprotein inhibition"
38. Dept of Pharmacology, University of Milan, Italy, 4/22/10: "Animal models of relapse for developing addiction pharmacotherapy"
39. Slovenian Psychiatric Association – Featured speaker, Portoroz, Slovenia, 4/17/10: "Antipsychotic drugs: A review and update"
40. Psychiatry Hospital, University of Ljubljana, Slovenia, 4/15/10: "Methamphetamine-induced changes in memory and attention"
41. Clinical Neuroscience seminar, University of Ljubljana, Slovenia, 4/12/10: "Insights from basic neuroscience research for the understanding and treatment of drug addiction"
42. Dept of Psychiatry, University of Ljubljana, Slovenia, 3/24/10: "Relapse to addiction: Experimental models for treatment development"
43. Psychiatry Residence Program, Psychiatry Hospital, University of Ljubljana, Slovenia, 3/23/10: "Understanding drug addiction: Behavioral and neurobiological insights from an animal model"
44. Brain Awareness Week, Slovene Academy of Sciences, Ljubljana, Slovenia, 3/15/10: "Brain pathways of reward"
45. Dept of Psychology, University of Ljubljana, Slovenia, 3/9/10: "Understanding drug addiction: Insights from an animal model"

46. Cognitive Neuroscience Seminar, Neurology Clinic, University of Ljubljana, Slovenia, 2/24/10: “Chronic methamphetamine-induced changes in cognitive function and cortical neuroplasticity”
47. Neuroscience Colloquium, College of Charleston, Charleston, SC, 2/8/10: “Neurobiological substrates of motivational and cognitive deficits of methamphetamine addiction”
48. Winter Conference on Brain Research, Breckenridge, CO, 1/26/10: “Prefrontal cortex circuitry and heroin-seeking in relapse”
49. Winter Conference on Brain Research, Breckenridge, CO, 1/24/10: “Developing anti-relapse medications for drug addiction: Challenges and promises” (panel chair)
50. Winter Conference on Brain Research, Breckenridge, CO, 1/24/10: “Acute and chronic dosing of putative anti-relapse medications”
51. Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Canada, 1/15/10: “Sex differences and hormonal regulation of cocaine-seeking in an animal model of relapse”
52. Dept of Psychology, Concordia Univ, Montreal, Canada, 1/14/10: “Understanding addiction and relapse: Insights from an animal model”
53. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL 12/10/09: “Stress, sex differences, dopamine and addiction” (panel discussant)
54. College of Charleston, Charleston, SC, 4/27/09: William Aiken Fellows Society Speaker - “Understanding addiction and relapse: Insights from an animal model”
55. Collegium Internationale Neuro-Psychopharmacologicum 26<sup>th</sup> Congress, Munich, Germany, 7/15/08: “Translational research in addiction: Merging neurobiology with clinical treatment” (panel chairman)
56. Collegium Internationale Neuro-Psychopharmacologicum 26<sup>th</sup> Congress, Munich, Germany, 7/15/08: “Cortico-striatal substrates of relapse to drug-seeking following chronic cocaine self-administration”
57. Dept of Psychopharmacology, Central Institute of Mental Health, Mannheim, Germany, 7/8/08: “The reinstatement model of relapse to drug-seeking: Neural substrates and treatment implications”
58. College on Problems of Drug Dependence Annual Meeting 2008, San Juan, PR, 6/16/08: “Neural substrates of drug-seeking after abstinence or extinction training in an animal model of relapse”
59. Dept of Neurosciences, University of Texas Southwestern, Dallas, TX, 4/1/08: “Pathways to relapse in addiction: Insights from the reinstatement model of drug-seeking”
60. Dept of Psychology, Washington State University, Vancouver, WA, 3/28/08: “Sex differences and hormonal regulation of cocaine-seeking in an animal model of relapse”
61. Winter Conference on Brain Research, Snowbird, UT, 1/31/08: “Motivational and cognitive domains of psychostimulant dependence”
62. Winter Conference on Brain Research, Snowbird, UT, 1/29/08: “Medial prefrontal cortex and reinstatement to drug-seeking”
63. Dept of Psychology, University of Nebraska, Lincoln, NE, 1/17/08: “Translational research in addiction center”
64. Dept of Pharmacology, Creighton University School of Medicine, Omaha, NE, 1/16/08: “Pathways to relapse in addiction: Insights from the reinstatement model of drug-seeking”
65. Neuroscience Program, Mayo Clinic, Rochester, MN, 11/14/07: “The reinstatement model of relapse: Neural substrates & treatment implications”
66. Dept of Psychiatry, Mayo Clinic, Rochester, MN, 11/13/07: “Translational research in addiction center”
67. 13th Duke University Nicotine Research Conference, Durham, NC, 10/11/07: “Neural substrates of drug-cue learning in a model of relapse”
68. American Psychological Association Annual Meeting 2007, San Francisco, CA, 8/19/07: “Neural substrates of drug-seeking behavior after forced abstinence or explicit extinction training in an animal model of relapse”
69. Gordon Research Conference: Amygdala in Health and Disease, Lewiston, ME, 7/31/07: “Amygdala & relapse to drugs of abuse”
70. 7<sup>th</sup> IBRO World Congress of Neuroscience, Melbourne, Australia, 7/14/07: “Novel developments in the neuropharmacology of schizophrenia” (panel chairman)
71. 7<sup>th</sup> IBRO World Congress of Neuroscience, Melbourne, Australia, 7/14/07: “Facilitating antipsychotic drug action via p-glycoprotein inhibitors”
72. Dept of Pharmacology and Toxicology, University of Utah School of Medicine, Salt Lake City, UT, 3/19/07: “The neural circuitries of multiple forms of relapse to drugs of abuse”
73. Dept of Physiology and Pharmacology, Wake Forest University School of Medicine, Winston-Salem, NC, 3/8/07: “The neural circuitry of relapse to drugs of abuse”
74. Winter Conference on Brain Research, Snowmass, CO, 1/30/07: “Skating on thin “ice”: Neurobiological and behavioral consequences of high dose methamphetamine” (panel chairman)
75. Winter Conference on Brain Research, Snowmass, CO, 1/30/07: “Drug-seeking and cognitive performance before and after chronic methamphetamine self-administration”
76. Dept of Pharmacology, Univ Tennessee Health Sciences, Memphis, TN, 10/25/06: “The neural circuitry of relapse to drugs of abuse”
77. Palacio de Colomina, Valencia, Spain, 6/21/06: “Substratos neurales de la recaída en el consumo de drogas”
78. Facultad de Medicina, Universidad de Valencia, Spain, 6/20/06: “Bases neuroanatómicas de la recaída en el consumo de drogas adictivas”
79. Dept of Psychology, University of California, Santa Barbara, CA, 4/12/06: “Neural circuitry of relapse to drugs of abuse”
80. American Psychological Association Annual Meeting 2005, Washington, D.C., 8/20/05: “Understanding the neural circuitry of relapse to drugs of abuse: Insights from the animal model of reinstatement”
81. European Journal of Pharmacology Spring Meeting 2005, Zeist, The Netherlands, 6/12/05: “Neural substrates of cocaine-cue associations that trigger relapse”
82. Dept of Psychiatry, Duke University, Durham, NC, 4/21/05: “The neural circuitry of relapse to drug-seeking behavior”
83. Center for the Neurobiology of Learning and Memory, University of California, Irvine, CA, 4/14/05: “The neural circuitry of conditioned-cued relapse to drugs of abuse”
84. Biological Psychology Program, University of North Carolina, Chapel Hill, NC, 2/8/05: “The neural circuitry of reinstatement of cocaine-seeking behavior in an animal model of relapse”
85. Winter Conference on Brain Research, Breckenridge, CO, 1/25/05: “Decisions, decisions – Orbitofrontal cortex as an arbiter of reward

- choices” (panel chairman)
86. Winter Conference on Brain Research, Breckenridge, CO, 1/25/05: “Orbitofrontal cortex in the reinstatement of cocaine-seeking”
  87. Cajal Neuroscience Research Center, Department of Biology, University of Texas, San Antonio, TX, 11/11/04: “Neural substrates underlying the reinstatement of cocaine-seeking behavior in an animal model of relapse”
  88. Women's Health Research Symposium, NIH, Bethesda, MD, 10/5/04: “Sex differences in an animal model of relapse”
  89. Wando High School, Mt. Pleasant, SC, 8/27/04: “Brain and behavior”
  90. Collegium Internationale Neuro-Psychopharmacologicum 24<sup>th</sup> Congress, Paris, France, 6/21/04: “Neural pathways of addiction with multiple drugs of abuse” (panel chairman)
  91. Collegium Internationale Neuro-Psychopharmacologicum 24<sup>th</sup> Congress, Paris, France, 6/21/04: “Neural substrates of conditioned-cued relapse”
  92. McLean Hospital, Harvard University, Belmont, MA, 6/1/04: "Mapping the neural circuitry of conditioned-cued reinstatement of cocaine-seeking behavior in an animal model of relapse"
  93. Winter Conference on Brain Research, Copper Mountain, CO, 1/29/04: “Circuitry of relapse to drug-seeking behavior”
  94. Psychiatry Hospital, Shuwaikh, Kuwait, 3/19/03: “Aripiprazole for the treatment of schizophrenia: A new drug for an old idea”
  95. Dopamine 2002, Portland, OR, 7/12/02: “The role of amygdalar dopamine in the reinstatement of extinguished cocaine-seeking”
  96. Collegium Internationale Neuro-Psychopharmacologicum 23<sup>rd</sup> Congress, Montreal, Canada, 6/26/02: “The role of amygdalar nuclei in stimulus-cued relapse to drug-seeking behavior”
  97. New York Academy of Sciences Conference: The Amygdala in Brain Function: Basic and Clinical Approaches, Galveston, TX, 3/25/02: “Drug addiction, relapse, and the amygdala”
  98. Winter Conference on Brain Research, Snowmass, CO, 1/29/02: “Anatomical and pharmacological determinants of relapse to cocaine-seeking”
  99. Dept of Pharmacology and Physiology, University of South Carolina, Columbia, SC, 1/8/02: “Striatopallidal amino acid neurotransmitter function after typical and atypical antipsychotic drug administration”
  100. Dept of Psychology, University of South Carolina, Columbia, SC, 1/7/02: “The neural basis of relapse to drugs of abuse”
  101. American College of Neuropsychopharmacology Annual Meeting, Waikaloa, HI, 12/11/01: “Roads to relapse: Neural circuitry involved in drug-seeking behavior” (panel chairman)
  102. American College of Neuropsychopharmacology Annual Meeting, Waikaloa, HI, 12/11/01: “A comparison of the neural pathways of conditioned cue versus drug-induced relapse”
  103. Dept of Psychology, Univ of South Carolina, Columbia, SC, 10/26/01: “Neural pathways of relapse: Insights from an animal model”
  104. Intramural Research Program, National Institute on Drug Abuse, Baltimore MD, 4/4/01: “Conditioned reinstatement of drug-seeking behavior: A model for determining the neural substrates of relapse”
  105. Day of Discovery, Institute of Psychiatry, MUSC, Charleston SC, 3/09/01: “Insights on neural circuitry of addiction”
  106. Dept of Neuroscience, Finch University of Health Sciences/The Chicago Medical School, Chicago IL, 2/6/01: “Neural substrates of conditioned reinstatement of cocaine-seeking behavior in an animal model of relapse”
  107. Dept of Behavioral Neuroscience, Oregon Health Sciences University, Portland OR, 1/19/01: "Neural substrates of appetitive conditioning in an animal model of relapse to cocaine-seeking behavior"
  108. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/14/00: "Amygdalar structure and function: providing new insights on affective processing" (panel chairman)
  109. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/14/00: “Amygdalar involvement in relapse to drugs of abuse”
  110. Neuroscience Grand Rounds, Medical University of South Carolina, Charleston SC, 11/30/00: "Striatal glutamate and pallidal GABA function after typical and atypical antipsychotic drug administration"
  111. Neurobiology of Drug Use and Abuse Colloquium, University of South Carolina School of Medicine, Columbia SC, 10/13/00: “Amygdalar substrates of craving and relapse to cocaine-seeking behavior”
  112. Collegium Internationale Neuro-Psychopharmacologicum 22<sup>nd</sup> Congress, Brussels, Belgium, 7/13/00: “Regulation of basal ganglia GABA circuitry: Implications for psychiatric and neurological disorders” (panel chairman)
  113. Collegium Internationale Neuro-Psychopharmacologicum 22<sup>nd</sup> Congress, Brussels, Belgium, 7/13/00: “The role of striatopallidal GABA function in the atypical profile of novel antipsychotic drugs”
  114. Dept of Psychiatry, Medical University of South Carolina, Charleston SC, 9/27/99: “Cocaine-seeking in an animal model of relapse”
  115. American College of Neuropsychopharmacology Annual Meeting, Las Croabas PR, 12/16/98: "Relapse with drugs of abuse – what are the critical factors?" (panel chairman)
  116. Dept of Physiology, Medical University of South Carolina, Charleston SC, 7/14/98: "Chronic antipsychotic drug effects on subcortical neurotransmission"
  117. Mailman Research Center, McLean Hospital, Belmont MA, 6/24/98: "Alterations in subcortical amino acids by antipsychotic drugs"
  118. Dept of Psychiatry, Uniformed Services University of the Health Sciences, Bethesda MD, 6/15/98: "Cocaine- and cue-reinforced behavior in an animal model of relapse"
  119. Washington State University, Vancouver WA, 4/3/98: "Introduction of risperidone for the treatment of schizophrenia in Kuwait"
  120. Psychiatry Hospital, Shuwaikh, Kuwait, 1/19/98: “Risperidone versus haloperidol in the treatment of chronic schizophrenia: a double blind comparison study in Kuwait”
  121. Dept of Psychology, Washington State Univ, Pullman WA, 10/15/97: "Introduction of risperidone for schizophrenia treatment in Kuwait"
  122. Psychiatry Hospital, Shuwaikh, Kuwait, 5/12/97: “Glutamate and schizophrenia - too much or too little of a good thing?”
  123. School of Medicine, United Arab Emirates University, Al Ain, UAE, 3/25/97: “Neurochemical consequences of antipsychotic drugs”
  124. Tenth Congress of the Kuwait Medical Association, Kuwait City, Kuwait, 12/15/96: "New generation antipsychotic drugs - theories on their mechanisms of action"
  125. Dept of Psychology, Kuwait University, Kuwait, 12/3/96: “Antipsychotic drugs – current issues”
  126. Faculty of Medicine, Kuwait University, Jabriya, Kuwait, 10/28/96: “Searching for the neural basis of antipsychotic drug effects: Clues from amino acid neurotransmitters”
  127. Dept of Experimental Psychology, University of Oxford, England, 5/20/96: “Basolateral amygdala: a substrate for relapse”

128. Dept of Experimental Psychology, University of Oxford, England, 5/14/96: "The neurochemical anatomy of antipsychotic drug administration"
129. Dept of Medical Psychology, Oregon Health Sciences University, Portland OR, 2/7/96: "Regulation of basal ganglia GABA and glutamate by dopamine receptor antagonists"
130. Dept of Neuroscience, Pfizer Inc., Groton CT, 1/23/96: "Neurochemical consequences of antipsychotic drug administration"
131. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/13/95: "Alterations in subcortical amino acid systems by antipsychotic drugs"
132. Faculty of Medicine, Kuwait University, Jabriya, Kuwait, 9/20/95: "Neurochemical consequences of antipsychotic drugs"
133. National Institute of Dental Research, NIH, Bethesda MD, 5/30/95: "Neural consequences of prolonged antipsychotic drug administration in an animal model of tardive dyskinesia"
134. Dept of Zoology, Washington State University, Pullman WA, 2/13/95: "The neurochemistry of reward"
135. Washington State University, Vancouver WA, 1/26/95: "New directions in antipsychotic drug treatment of psychosis"
136. Alcohol and Drug Abuse Program, Washington State University, Pullman WA, 12/9/94: "Searching for reward: an evaluation of nucleus accumbens dopamine in drug self-administration"
137. Washington State Psychological Association, Spokane WA, 4/23/94: "Psychopharmacology: The next generation"
138. School of Pharmacy, Washington State University, Pullman WA, 4/4/94: "Preclinical study of antipsychotic drugs"
139. Eastern State Psychiatric Hospital, Medical Lake WA, 3/24/94: "New developments in antipsychotic drug research"
140. Dept of Psychology, Washington State Univ, Pullman WA, 9/22/93: "Regional and temporal parameters of antipsychotic drug effects"
141. School of Pharmacy, Washington State Univ, Pullman WA, 4/4/93: "Experimental approaches for the study of antipsychotic drugs"
142. Pharmacology and Toxicology Program, Washington State University, Pullman WA, 10/9/92: "Antipsychotic drugs and schizophrenia: Historical perspectives"
143. School of Veterinary Medicine, Washington State University, Pullman WA, 9/18/92: "Long-term antipsychotic drugs and dopamine metabolism: dialysis studies in the rat"
144. Scripps Research Institute, La Jolla CA, 7/9/92: "Neural consequences of long term antipsychotic drugs"
145. 7<sup>th</sup> International Catecholamine Symposium, Amsterdam, Netherlands, 6/23/92: "Striatal dopamine release and metabolism in rats during and after subchronic haloperidol administration"
146. Dept of Psychology, University of Idaho, Moscow ID, 2/25/92: "Principles of Psychopharmacology"
147. Dept of Psychology, Washington State Univ, Pullman WA, 2/19/92: "Consequences of long-term antipsychotic drug administration"
148. Biological Sciences Program, University of Idaho, Moscow ID, 10/16/91: "In vivo monoamine function following prolonged neuroleptic administration in rats"
149. School of Veterinary Medicine, Washington State University, Pullman WA, 10/25/90: "Assessment of dopamine release following DA D1 and D2 receptor specific drugs"
150. Dept of Psychology, Washington State Univ, Pullman WA, 11/11/89: "Behavioral and biological aspects of neuroleptic side effects"
151. Dept of Neurology, University of California, Los Angeles CA, 5/30/89: "Animal models of neuroleptic-induced dyskinesia"
152. Dept of Psychology, Washington State Univ, Pullman WA, 2/13/89: "Animal models of neuroleptic-induced movement disorders"
153. College of Letters and Science, Westmont College, Montecito CA, 12/3/88: "Antipsychotic drugs and their side effects"
154. Dept of Psychology, University of California, Los Angeles CA, 2/10/87: "Sensory factors in basal ganglia function"
155. Dept of Psychology, University of California, Los Angeles CA, 4/8/86: "Computerized measurement of oral movements in rats"

### **Abstracts and Proceedings**

1. Leong KC, Weber R, See RE, Reichel CM (2017) Oxytocin alters cue-induced reinstatement of cocaine seeking and fos activation in a regionally specific manner within the addiction circuit. American College of Neuropsychopharmacology Annual Meeting 56
2. Zhou L, Sun WL, McGinty JF, See RE (2016) Oxytocin reduces cocaine seeking and reverses chronic cocaine-induced changes in GluA1 via Akt/GSK3 signaling. Society of Biological Psychiatry 71<sup>st</sup> Annual Meeting
3. Cox BM, Bentzley BS, See RE, Reichel CM, Aston-Jones G (2015) Systemic oxytocin acts within the nucleus accumbens core to attenuate methamphetamine seeking. American College of Neuropsychopharmacology Annual Meeting 54
4. Zhou L, See RE, Reichel CM (2014) Sex differences in oxytocin's effects on motivated behavior. American College of Neuropsychopharmacology Annual Meeting 53
5. Zhou L, Ghee SM, Peters JL, See RE, Reichel CM (2014) Sex differences in attenuation of cocaine conditioned cue reinstatement by the central oxytocin receptor agonist FE-202739. Society for Neuroscience Abstracts 40:54.29
6. Scofield MD, Trantham-Davidson H, Schwendt M, Peters JL, See RE, Reichel CM (2014) Methamphetamine-induced inhibition of perirhinal long-term depression underlies meth-induced deficits in novel object recognition memory. Society for Neuroscience Abstracts 40:57.03
7. Peters J, Scofield MD, Trantham-Davidson H, Ghee SM, See RE, Reichel CM (2014) Activation of perirhinal mglur5 receptors reverses recognition memory deficits resulting from long-access methamphetamine self-administration in rats. Society for Neuroscience Abstracts 40:57.04
8. Cox BM, Bentzley BS, See RE, Reichel CM, Aston-Jones G (2014) Motivation to self-administer methamphetamine in a behavioral-economics paradigm predicts the effect of oxytocin on relapse behavior. Society for Neuroscience Abstracts 40:812.05
9. Scofield MD, Trantham-Davidson H, Schwendt M, See RE, Reichel CM (2013) Chronic methamphetamine-induced recognition memory deficits are associated with impaired long-term depression and decreased glun2b surface expression in the perirhinal cortex. American College of Neuropsychopharmacology Annual Meeting 52:W173
10. Cox BM, Bentzley BS, Reichel CM, See RE, Aston-Jones G (2013) Reduced motivation to self-administer methamphetamine by oxytocin in a behavioral-economics paradigm predicts reinstatement of methamphetamine seeking. American College of Neuropsychopharmacology Annual Meeting 52:W232
11. Cox BM, Bentzley BS, Reichel CM, See RE, Aston-Jones G (2013) Oxytocin decreases methamphetamine seeking in an animal model of relapse. Dopamine 2013, P062

12. Gill MJ, Kaufling J, See RE (2013) Role of the lateral habenula and tail of the ventral tegmental area in reinstatement of cocaine seeking. Dopamine 2013, P069
13. See RE, Parsegian A, Schwendt M, See DG, Reichel RM (2013) Methamphetamine-induced alterations in prefrontal cortex glutamate and dopamine function. Dopamine 2013
14. Cox BM, Bentzley BS, Reichel CM, See RE, Aston-Jones G (2013) Oxytocin reduces the motivation to self-administer methamphetamine in a novel within-session behavioral-economic paradigm: implications of sex. Society for Neuroscience Abstracts 39:256.05
15. Cox BM, Chan C, Ghee SM, See RE, Reichel CM (2012) Oxytocin decreases methamphetamine self-administration in female rats. College on Problems of Drug Dependence 74
16. Reichel CM, Cox BM, Chan C, Ghee SM, See RE (2012) Oxytocin attenuates methamphetamine induced locomotor activity in male and female rats: implications for meth seeking. College on Problems of Drug Dependence 74
17. Young AB, Zhou L, See RE (2012) Oxytocin decreases self-administration of cocaine but not of sucrose reward in rats. American Psychological Association 120
18. Young AB, Zhou L, See RE (2012) Oxytocin attenuates cocaine self-administration and reinstatement to cocaine seeking in rats. Society for Neuroscience Abstracts 38:256.14
19. Cox BM, Cope ZA, Parsegian A, Floresco SB, Aston-Jones G, See RE (2012) Selective deficits following long-access methamphetamine self-administration in rats. Society for Neuroscience Abstracts 38:874.02
20. Parsegian A, See RE (2012) Increased extracellular glutamate efflux in the medial prefrontal cortex and nucleus accumbens core during reinstatement of methamphetamine-seeking. Society for Neuroscience Abstracts 38:256.09
21. Zhou L, Pruitt C, Shin CB, Garcia AD, Zavala AR, See RE (2012) Sex differences in cocaine seeking and Fos expression induced by cocaine-conditioned cues in rats. Society for Neuroscience Abstracts 38:256.18
22. Feltenstein MW, See RE (2012) Ventrolateral prefrontal cortex lesions attenuate the production of ultrasonic vocalizations in rats. Society for Neuroscience Abstracts 38:401.06
23. Reichel CM, Cox BM, Young AB, See RE (2012) Oxytocin decreased motivation for methamphetamine in female rats. Society for Neuroscience Abstracts 38:418.09
24. Brown KT, Waters RP, Rusio MG, Reichel CM, See RE (2012) Increased anxiogenic behavior and changes in oxytocin/vasopressin receptor expression during acute withdrawal from extended cocaine self-administration in rats. Society for Neuroscience Abstracts 38:457.12
25. Gilstrap MJ, Reichel CM, See RE (2012) Methamphetamine-induced memory deficits: Role of perirhinal cortex NMDA receptors. Society for Neuroscience Abstracts 38:457.13
26. Lopez MF, Ralston LA, See RE, Chandler, LJ (2012) Devaluation of ethanol reward in ethanol-dependent and non-dependent C57BL/6J mice. Society for Neuroscience Abstracts 38:498.30
27. Gill MJ, Ghee SM, See RE (2012) Temporary inactivation of the lateral habenula reduces anxiogenic behavior. Society for Neuroscience Abstracts 38:778.10
28. Reichel CM, Taheri S, See RE (2012) The use of MRI to detect regionally specific changes in white matter integrity following extended methamphetamine self-administration in rats. American College of Neuropsychopharmacology Annual Meeting 51
29. Reichel CM, Cox BM, Young AB, See RE (2012) Oxytocin differentially decreases methamphetamine intake and reinstatement to methamphetamine seeking in male and female rats. American College of Neuropsychopharmacology Annual Meeting 51
30. Reichel CM, Van Rooijen M, Ghee SM, Chan C, See RE (2011) Methamphetamine self-administration in female rats. College on Problems of Drug Dependence 73
31. Zhou L, See RE (2011) Sex differences in orexin mediation of locomotion and cocaine-seeking in rats. College on Problems of Drug Dependence 73
32. Feltenstein MW, Mahler SV, Bachar M, Ogburn K, Moorman DE, See RE (2011) Ultrasonic vocalizations in rats during methamphetamine self-administration and reinstatement. Society for Neuroscience Abstracts 37:941.06
33. Cox BM, Cope ZA, Parsegian A, Moorman DE, Floresco SB, Aston-Jones G, See RE (2011) Automated attention set-shift task following methamphetamine self-administration in rats. Society for Neuroscience Abstracts 37:942.15
34. Gabriele A, Novak A, See RE (2011) Cocaine self-administration alters basal and stimulated dorsal striatum dopamine and glutamate release in rats. Society for Neuroscience Abstracts 37:165.10
35. Gill MJ, Waters RP, Riegel AC, See RE (2011) Neuronal and behavioral effects of optogenetic modulation of the lateral habenula. Society for Neuroscience Abstracts 37:306.25
36. Waters RP, Young AB, Feltenstein MW, See RE (2011) Reinstatement of cocaine-seeking in rats with an addiction-prone phenotype. Society for Neuroscience Abstracts 37:371.16
37. Zhou L, Do PH, Smith RJ, Aston-Jones GS, See RE (2011) Chronic orexin 1 receptor antagonism reduces cocaine-seeking in rats. Society for Neuroscience Abstracts 37:688.14
38. Reichel CM, See RE (2011) Motivational and cognitive consequences of chronic methamphetamine self-administration in male and female rats. Society for Neuroscience Abstracts 37:689.17
39. Parsegian A, Novak A, See RE (2011) Changes in extracellular glutamate and monoamines in the dorsomedial prefrontal cortex during reinstatement of methamphetamine-seeking in rats. Society for Neuroscience Abstracts 37:689.18
40. Schwendt M, Reichel CR, Madell RM, See RE (2011) Extended access to methamphetamine results in lasting cognitive deficits accompanied by decreased surface expression of mGluR2/3 receptors in the rat prefrontal cortex. Society for Neuroscience Abstracts 37:797.21
41. Reichel CM, Zhu X, Taheri S, Nie X, Joseph JE, See RE (2011) Methamphetamine induced signal change in rats: An fMRI study. American College of Neuropsychopharmacology Annual Meeting 50
42. Buffalari DM, See RE (2010) Anxiogenic properties of cocaine-paired cues in rats with a prior history of self-administration. College on Problems of Drug Dependence 72

43. Galuska CM, Banna KM, Willse LV, Yahyavi-Firouz-Abadi N, See RE (2010) Does continued access alter economic demand and reinstatement? A comparison of methamphetamine and food. [Association for Behavior Analysis International Meeting](#) 36
44. Feltenstein MW, Shippenberg TS, Zapata A, See RE, Riegel AC (2010) Pain during heroin self-administration enhances relapse of heroin-seeking in rats. [College on Problems of Drug Dependence](#) 72
45. Gabriele A, Pacchioni AM, See RE (2010) Enhanced dopamine release in the dorsolateral caudate putamen during relapse as a function of previous cocaine self-administration history. [College on Problems of Drug Dependence](#) 72
46. Reichel CM, Schwendt M, Ramsey L, McGinty JF, See RE (2010) Modafinil reverses methamphetamine-induced memory deficits on an object-in-place task in rats. [Society for Neuroscience Abstracts](#) 36: 270.7
47. Waters P, See RE (2010) The beta-carboline, FG7142, produces anxiogenic behavior, but fails to induce reinstatement to cocaine-seeking in rats. [Society for Neuroscience Abstracts](#) 36: 305.7
48. Gabriele A, See RE (2010) Excitotoxic lesions of the dorsolateral caudate-putamen impair cocaine-primed reinstatement in an animal model of relapse. [Society for Neuroscience Abstracts](#) 36: 575.28
49. Zhou L, See RE (2010) Orexin signaling at the orexin 1 receptor differentially regulates basal and acute cocaine-induced locomotion in male and female rats. [Society for Neuroscience Abstracts](#) 36: 770.12
50. See RE, Zhou L (2010) Sex differences in orexin 1 receptor mediation of cocaine-seeking in rats. [American College of Neuropsychopharmacology Annual Meeting](#) 49
51. Gabriele A, Pacchioni AM, See RE (2009) Reversible inactivation of the basolateral amygdala, but not the dorsolateral caudate-putamen, attenuates consolidation of cocaine-cue associative learning in an animal model of relapse. [College on Problems of Drug Dependence](#) 71
52. Buffalari DM, Feltenstein MW See RE (2009) Stress and cue interactions in the reinstatement of cocaine-seeking in female rats. [College on Problems of Drug Dependence](#) 71
53. Feltenstein MW, See RE (2009) Sex differences in nicotine self-administration and reinstatement in rats. [College on Problems of Drug Dependence](#) 71
54. Parsegian A, Lavin A, See RE (2009) Chronic methamphetamine self-administration alters neuronal activity in prelimbic cortex in rats with drug-induced cognitive deficits. [Society for Neuroscience Abstracts](#) 35: 650.14
55. Gabriele A, Pacchioni AM, See RE (2009) Reversible inactivation of the basolateral amygdala, but not the dorsolateral caudate-putamen, attenuates the consolidation of cocaine-cue associative learning in an animal model of relapse. [Society for Neuroscience Abstracts](#) 35: 65.14
56. See RE, Gabriele A, Pacchioni AM (2009) Dorsal striatum mediation of cocaine-seeking after varied periods of cocaine self-administration and withdrawal in rats. [Society for Neuroscience Abstracts](#) 35: 158.9
57. Buffalari DM, See RE (2009) Guanfacine blockade of stress and conditioned cue-induced cocaine-seeking in an animal model of relapse. [Society for Neuroscience Abstracts](#) 35: 387.5
58. Hearing MC, Bache AJ, See RE, McGinty JF (2009) Activity-regulated cytoskeleton gene expression in the dorsal striatum is decreased by antisense knockdown in cocaine-seeking rats. [Society for Neuroscience Abstracts](#) 35: 553.18
59. Feltenstein MW, Smalls B, Boatwright SW, Ghee S, See RE (2009) Sex differences in nicotine self-administration and reinstatement in rats. [Society for Neuroscience Abstracts](#) 35: 648.19
60. Reichel CM, Schwendt M, McGinty JF, See RE (2009) Dose-dependent deficits in object recognition memory following chronic methamphetamine self-administration in rats. [Society for Neuroscience Abstracts](#) 35: 650.9
61. Reyes M, Woodell A, Do P, Deptula S, See RE, Buhusi C (2009) Chronic cocaine self-administration alters interval timing and working memory in rats. [Society for Neuroscience Abstracts](#) 35: 753.17
62. Woodell A, Do P, Deptula S, See RE, Buhusi C (2009) Impaired decision-making following chronic cocaine self-administration in a rodent model of the Iowa Gambling Task. [Society for Neuroscience Abstracts](#) 35: 753.18
63. Buffalari DM, Feltenstein MW, See RE (2009) Stress and cue interactions in the reinstatement of cocaine-seeking in female rats. [Sixth Annual Interdisciplinary Women's Health Research Symposium](#)
64. Feltenstein MW, Smalls B, Boatwright SW, Ghee S, See RE (2009) Sex differences in nicotine self-administration and reinstatement in rats. [Sixth Annual Interdisciplinary Women's Health Research Symposium](#)
65. See RE, Reichel CM (2009) Cognitive and motivational consequences following chronic methamphetamine self-administration in rats. [American College of Neuropsychopharmacology Annual Meeting](#) 48
66. Banna K, Carnell A, See RE (2008) Reinstatement of heroin-seeking in rats is potentiated by infusions of morphine into the substantia nigra. [College on Problems of Drug Dependence](#) 70
67. Buffalari D, See RE (2008) Stress-induced potentiation of cued reinstatement of cocaine-seeking in an animal model of relapse. [College on Problems of Drug Dependence](#) 70
68. Feltenstein MW, Bongiovanni M, Henderson AR, Byrd EA, See RE (2008) Potentiation of cue-induced reinstatement of cocaine-seeking in female rats by yohimbine. [College on Problems of Drug Dependence](#) 70
69. Feltenstein MW, Bongiovanni M, Henderson AR, Byrd EA, See RE (2008) Potentiation of cue-induced reinstatement of cocaine-seeking in female rats by yohimbine. [Society for Neuroscience Abstracts](#) 34: 763.7
70. Feltenstein MW, Bongiovanni M, Henderson AR, Byrd EA, See RE (2008) Potentiation of cue-induced reinstatement of cocaine-seeking in female rats by yohimbine. [Fifth Annual Interdisciplinary Women's Health Research Symposium](#)
71. See RE, Ramamoorthy S, McGinty J (2008) Preclinical models of relapse to psychostimulant dependence: Neurocircuitry-based directions for treatment. [International Journal of Neuropsychopharmacology](#) 11(1):S73
72. Pacchioni AM, Gabriele A, See RE (2008) The role of the dorsal striatum during drug-seeking after abstinence from chronic cocaine self-administration. [National Hispanic Science Network on Drug Abuse International Conference](#).
73. Taylor T, Galuska CM, Banna K, See RE (2008) Acquisition of fixed-ratio responding in naïve rats using an IRT < t ratio-escalation procedure. [Southeastern Association for Behavior Analysis Annual Meeting](#).
74. Buffalari DM, See RE (2008) Withdrawal from cocaine self-administration increases anxiety behaviors in rats. [Society for Neuroscience Abstracts](#) 34: 95.9

75. Pacchioni A, Henderson A, DeVane L, See RE (2008) P-glycoprotein inhibition and risperidone-induced striatal dopamine release. Society for Neuroscience Abstracts 34: 155.20
76. McGinty JF, Hearing MC, Schochet TL, See RE (2008) Basolateral amygdala activity-regulated gene expression is increased by context-driven relapse to cocaine-seeking. Society for Neuroscience Abstracts 34: 159.5.
77. Hearing MC, Schochet TL, See RE, McGinty JF (2008) Context-driven relapse to cocaine-seeking in abstinent rats increases activity-regulated gene expression in the dorsal hippocampus differentially following short and long periods of abstinence. Society for Neuroscience Abstracts 34: 159.7
78. Parsegian A, Lavin A, See RE (2008) Assessment of cognitive deficits and prefrontal cortex neuronal activity following chronic methamphetamine self-administration in rats. Society for Neuroscience Abstracts 34: 455.1
79. Schwendt M, Rogers JL, McGinty JF, See RE (2008) Extended-access to methamphetamine self-administration produces region-specific changes in dopamine transporter signaling assembly in rat forebrain. Society for Neuroscience Abstracts 34: 455.16.
80. Whitfield TW, Berglind W, Carnell A, See RE, McGinty JF (2008) Intra-dmPFC infusion of K252a blocks the suppressive effect of BDNF on cocaine-seeking behavior. Society for Neuroscience Abstracts 34: 561.13
81. Bongiovanni MJ, See RE (2008) Yohimbine-induced stress activation enhances baseline cocaine-seeking and intake in female rats. Society for Neuroscience Abstracts 34: 661.16
82. See RE, Henderson AR, Byrd EA, Feltenstein MW (2008) Attenuation of cocaine-seeking by progesterone treatment in female rats. Fifth Annual Interdisciplinary Women's Health Research Symposium
83. See RE, Buffalari D (2008) Stress and cue interactions in the reinstatement of cocaine-seeking in rats. American College of Neuropsychopharmacology Annual Meeting 47
84. Feltenstein MW, Do PH, Deptula SR, See RE (2008) Chronic aripiprazole attenuates cocaine-seeking behavior in an animal model of relapse. American College of Neuropsychopharmacology Annual Meeting 47
85. Hearing MC, See RE, McGinty JF (2007) Relapse to cocaine seeking increases BDNF and immediate early gene expression in the prefrontal and orbitofrontal cortices of abstinent rats. Keystone Symposia - Neurobiology of Addiction.
86. Schwendt M, Hearing MC, See RE, McGinty JF (2007) Cocaine self-administration followed by abstinence reduces RGS4 levels in rat dorsal striatum: implication for G-protein signaling. Motivational Neuronal Network Meeting 2007.
87. Feltenstein MW, Henderson A, See RE (2007) Progesterone pretreatment attenuates reinstatement of cocaine-seeking in freely cycling female rats. College on Problems of Drug Dependence 69
88. Rogers JL, Ghee S, Carnell A, See RE (2007) Dopamine D1 receptor antagonism of the prefrontal cortex attenuates heroin-seeking in a reinstatement model in rats. College on Problems of Drug Dependence 69
89. Feltenstein MW, Henderson A, See RE (2007) The role of dorsal vs. ventral striatal pathways in cocaine-seeking behavior following prolonged abstinence in rats. International Basal Ganglia Society IX
90. Rogers JL, Samuvel DJ, Ramamoorthy S, See RE (2007) Different access regimens of chronic methamphetamine self-administration and subsequent reinstatement of drug-seeking and dopamine transporter levels in the striatum. International Basal Ganglia Society IX
91. Feltenstein MW, Henderson AR, See RE (2007) Progesterone pretreatment attenuates reinstatement of cocaine-seeking in freely cycling female rats. Society for Neuroscience Abstracts 33: 271.12
92. Samuvel DJ, Jayanthi LD, See RE, Ramamoorthy S (2007) Dysregulation of dopamine transporter trafficking and function following prolonged abstinence from cocaine self-administration in rats: Evidence for differential regulation in caudate-putamen and nucleus accumbens. Society for Neuroscience Abstracts 33: 271.16
93. Blough K, Rogers JL, See RE (2007) Microinjection of morphine into the substantia nigra potentiates heroin-seeking in rats after chronic heroin self-administration. Society for Neuroscience Abstracts 33: 428.21
94. Rogers JL, See RE (2007) A translational model for the assessment of neurocognitive and motivational consequences of prolonged methamphetamine self-administration in rats. Society for Neuroscience Abstracts 33: 610.19
95. Hearing MC, See RE, McGinty JF (2007) Relapse to cocaine-seeking increases activity-related gene expression differentially in medial prefrontal and orbitofrontal cortices following short and long periods of abstinence. Society for Neuroscience Abstracts 33: 815.12
96. Bongiovanni M, See RE (2007) Chronic forced cold swim suppresses cue- and yohimbine-induced reinstatement of cocaine-seeking in rats. Society for Neuroscience Abstracts 33: 913.15
97. Smith RJ, See RE, Aston-Jones G (2007) The orexin-1 receptor antagonist SB-334867 blocks cue-induced reinstatement of cocaine-seeking in rats. Society for Neuroscience Abstracts 33: 916.1
98. Feltenstein MW, Henderson AR, See RE (2007) Estrous cycle and hormonal influences on cocaine-primed reinstatement of drug seeking in female rats. Fourth Annual Interdisciplinary Women's Health Research Symposium.
99. See RE, Rogers JL (2007) Selective cognitive deficits following chronic methamphetamine self-administration in rats. American College of Neuropsychopharmacology Annual Meeting 256:175
100. Feltenstein MW, Mehta RH, See RE (2006) Estrous cycle and hormonal influences on cocaine-primed reinstatement of drug seeking in female rats. College on Problems of Drug Dependence 68
101. Rogers JL, Torregrossa MM, Ghee S, Wheeler B, See RE (2006) Neural substrates of relapse to heroin-seeking using a reinstatement model in rats. College on Problems of Drug Dependence 68
102. Elliott J, See RE (2006) Reinstatement of cocaine seeking following abstinence or cocaine priming is attenuated by blockade of D1, but not NMDA receptors in the dorsal striatum. College on Problems of Drug Dependence 68
103. Feltenstein MW, Mehta RH, See RE (2006) Estrous cycle and hormonal influences on cocaine-primed reinstatement of drug seeking in female rats. American Psychological Association 114
104. Berglind WJ, Whitfield T, Ghee S, See RE, McGinty JF (2006) BDNF infusion into the prefrontal cortex attenuates cocaine seeking during extinction responding, but not reinstatement of food seeking. Society for Neuroscience Abstracts 32:189.15
105. Rogers JL, Elliott J, See RE (2006) Effects of short and prolonged methamphetamine access on subsequent reinstatement of drug seeking and cognitive performance. Society for Neuroscience Abstracts 32:482.24

106. Feltenstein MW, Vizzini S, Mehta RH, See RE (2006) NMDA receptor blockade in the basolateral amygdala impairs the acquisition and consolidation of stimulus-reward associations and subsequent conditioned-cued extinction learning in an animal model of relapse. Society for Neuroscience Abstracts 32:767.5
107. Bongiovanni M, Feltenstein MW, See RE (2006) Stress and cue-induced reinstatement of cocaine seeking under different environmental conditions. Society for Neuroscience Abstracts 32:767.17
108. Elliott J, See RE (2006) Blockade of dopamine D1 or glutamate AMPA receptors in the dorsolateral caudate-putamen attenuates cocaine-seeking behavior in a rat model of relapse. Society for Neuroscience Abstracts 32:767.23
109. McGinty JF, Berglind WJ, Fuchs RA, See RE (2006) A single BDNF infusion into the medial prefrontal cortex suppresses contextual, cue, and cocaine-induced reinstatement of cocaine-seeking behavior. Neuropsychopharmacology 31(Suppl 1):S4.
110. See RE, Rogers JL (2006) Cognitive performance and relapse to methamphetamine-seeking in rats. Neuropsychopharmacology 31(1):S204.
111. Kippin TE, Mehta RH, See RE (2005) Prenatal stress enhances cocaine-primed reinstatement of cocaine seeking in male rats. Behavioural Pharmacology 16(Suppl 1):S52.
112. See RE, Feltenstein MW, Mehta RH (2005) Potentiation of cue-induced reinstatement of cocaine seeking in rats by yohimbine. Society for Neuroscience Abstracts 31:112.8
113. Feltenstein MW, Case JM, Parker MP, Altar CA, See RE (2005) Aripiprazole blocks reinstatement of cocaine seeking behavior in rats. Society for Neuroscience Abstracts 31:227.6
114. Samuvel DJ, Jayanthi LD, Branham RD, See RE, Ramamoorthy S (2005) Altered dopamine transporter function, surface expression, phosphorylation and protein-protein interactions in the striatum following chronic cocaine self-administration. Society for Neuroscience Abstracts 31:269.2
115. Berglind WJ, Branham RK, Fuchs RA, See RE, McGinty JF (2005) Bilateral BDNF infusions into the prefrontal cortex during cocaine self-administration attenuates cue and cocaine-induced reinstatement in rats. Society for Neuroscience Abstracts 31:682.6
116. Kippin TE, Mehta RH, Feltenstein MW, See RE (2005) Effect of prenatal stress on reinstatement of cocaine-seeking in male rats. Society for Neuroscience Abstracts 31:799.8
117. Fuchs RA, Feltenstein MW, Case JM, Mehta RH, See RE (2005) The role of the basolateral amygdala in consolidation of stimulus-reward associations and subsequent conditioned-cued reinstatement of cocaine seeking. Society for Neuroscience Abstracts 31:1029.4
118. Toda S, Shen H, Peters JL, Branham RK, Jordan J, See RE, Kalivas PW (2005) The importance of enhanced actin turnover induced by repeated psychostimulant administration. Society for Neuroscience Abstracts 31:1030.7
119. Fuchs RA, Feltenstein MW, See RE (2005) The role of the basolateral amygdala in consolidation of stimulus-reward associations and subsequent conditioned-cued reinstatement of cocaine seeking. Neuropsychopharmacology 30(Suppl 1):S93.
120. See RE, Feltenstein MW, Altar CA (2005) Aripiprazole attenuates cocaine-seeking behavior in an animal model of relapse. Neuropsychopharmacology 30(Suppl 1):S214.
121. See RE (2004) Neural substrates of conditioned-cued relapse to drugs of abuse. International Journal of Neuropsychopharmacology 7(1):S24.
122. Fuchs RA, Branham RK, Jordan-Bear J, Case JM, Mehta RH, See RE (2004) Differential neural substrates of cue-induced cocaine seeking following abstinence versus extinction training. Society for Neuroscience Abstracts 30:576.6
123. See RE, Case JM, Parker MC, Berglind WC (2004) Dopamine D1 and D2 receptor blockade within the basolateral amygdala complex impairs the acquisition of conditioned-cued reinstatement of cocaine seeking in rats. Society for Neuroscience Abstracts 30:463.1
124. Lopez MF, See RE, Randall CM, Becker HC (2004) Stress effects on ethanol drinking in C57BL/6J mice. Society for Neuroscience Abstracts 30:572.1.
125. Kippin TE, Fuchs RA, Mehta RH, Case JM, See RE (2004) Sex and estrous cycle have opposite effects on cocaine-primed versus conditioned-cued reinstatement of cocaine-seeking in rats. Society for Neuroscience Abstracts 30:916.11
126. See RE, Kippin TE, Fuchs RA, Case JM (2004) Short and long term access to cocaine self-administration in rats: Effects on the reinstatement of cocaine-seeking behavior. Neuropsychopharmacology 29(Suppl 1):S187.
127. Zhou W, Fuchs RA, Jin L, See RE, McGinty JF (2003) Gene expression profile of the amygdala in heroin-exposed rats. Annals of the New York Academy of Sciences 985.
128. McLaughlin J, Gillespie H, Fuchs R, See RE (2003) Muscarinic receptor antagonism in the basolateral amygdala blocks the acquisition of cue-induced reinstatement of cocaine-seeking behavior. Annals of the New York Academy of Sciences 985.
129. Fuchs R, Evans KA, Ledford CC, See RE (2003) Inactivation of the basolateral amygdala abolishes the ability of drug-associated context to renew extinguished cocaine-seeking behavior. Annals of the New York Academy of Sciences 985.
130. See RE (2003) Corticolimbic function during relapse to drugs of abuse. 6<sup>th</sup> IBRO World Congress of Neuroscience
131. Fuchs RA, Evans KA, Parker MC, See RE (2003) Functional dissociation of orbitofrontal cortex subregions in conditioned cue- and cocaine-induced reinstatement of cocaine seeking in rats. Society for Neuroscience Abstracts 29:320.5.
132. See RE, Fuchs RA, Evans KA, Edwards JM (2003) Effects of sex and the estrus cycle on conditioned stimulus-induced reinstatement of cocaine seeking in rats. Society for Neuroscience Abstracts 29:320.11.
133. Berglind WJ, Fuchs RA, McLaughlin J, See RE (2003) Muscarinic, but not nicotinic, receptor antagonism in the basolateral amygdala impairs conditioned-cued reinstatement of cocaine seeking in rats. Society for Neuroscience Abstracts 29:422.14.
134. See RE (2002) The role of amygdalar nuclei in stimulus-cued relapse to drug-seeking behavior. International Journal of Neuropsychopharmacology 5(1):S34.
135. McGinty JF, Zhou W, Fuchs RA, Jin L, See RE (2002) Gene expression profile in heroin-exposed rat brain. Society for Neuroscience Abstracts 28:206.1.
136. Price KL, Hadden WK, Kokko KP, Dix TA, See RE (2002) Potential antipsychotic effects of a novel neurotensin analog. Society for Neuroscience Abstracts 28:134.6.
137. Ledford CC, Fuchs RA, See RE (2002) Potentiated reinstatement of cocaine-seeking behavior following amphetamine infusion into the basolateral amygdala. Society for Neuroscience Abstracts 28:499.6.



138. Fuchs RA, Evans KA, Ledford CC, See RE (2002) Corticolimbic brain circuitry mediates context-induced renewal of extinguished cocaine-seeking behavior. Society for Neuroscience Abstracts 28:499.7.
139. Fuchs RA, McLaughlin J, See RE (2002) Neural substrates of context-versus discrete conditioned stimulus-induced relapse to cocaine seeking. American College of Neuropsychopharmacology Annual Meeting 41.
140. McLaughlin J, See RE (2001) Facilitation of conditioned reinstatement of cocaine-seeking behavior by reversible inactivation of the parietal cortex in rats. Drug and Alcohol Dependence 63:S102.
141. McLaughlin J, See RE (2001) Time-dependent changes in autonomic function produced by repeated heroin exposure as measured by telemetry in rats. Society for Neuroscience Abstracts 27:223.16.
142. Fuchs RA, See RE (2001) Basolateral amygdala inactivation abolishes cue-elicited reinstatement of heroin-seeking behavior. Society for Neuroscience Abstracts 27:666.16.
143. See RE, Berglind WJ (2001) Intrapallidal clozapine decreases GABA release as measured by in vivo microdialysis. Society for Neuroscience Abstracts 27:875.4.
144. See RE, Berglind WJ, Meshul CK (2001) Inhibition of pallidal GABA release by clozapine: A possible mechanism to explain low motor side effect liability. American College of Neuropsychopharmacology Annual Meeting 40.
145. See RE, Fuchs R, McLaughlin J, McFarland K, Kalivas PW (2001) A comparison of the neural pathways of conditioned cue versus drug-induced relapse. American College of Neuropsychopharmacology Annual Meeting 40.
146. See RE, Chapman MA, Grimm JW, Meshul CK (2000) The role of striatopallidal GABA function in the atypical profile of novel antipsychotic drugs. International Journal of Neuropsychopharmacology 3(1):S82.
147. Kruzich PJ, See RE (2000) Tetrodotoxin-induced disruption of the acquisition and expression of cocaine mediated conditioned reinstatement. Society for Neuroscience Abstracts 26:485.2.
148. Humphreys-Mahanes T, Kruzich PJ, See RE (2000) A comparison of the role of the basolateral amygdala in two different models of conditioned reinstatement of cocaine-seeking behavior. Society for Neuroscience Abstracts 26:485.5.
149. See RE, Kruzich PJ (2000) Amygdalar involvement in relapse to drugs of abuse. American College of Neuropsychopharmacology Annual Meeting 39:82.
150. Grimm JW, See RE (1999) A dissociation of primary and secondary reward-relevant limbic regions in an animal model of relapse. Society for Neuroscience Abstracts 25(1):1298.
151. See RE, Kruzich PJ (1999) A discrete classically-conditioned stimulus elicits drug-seeking behavior in an animal model of relapse. Society for Neuroscience Abstracts 25(1):308.
152. Kruzich PJ, See RE (1999) Sub-chronic risperidone produces similar behavioral and neurochemical profiles as sub-chronic clozapine in rats. Society for Neuroscience Abstracts 25(2):1570.
153. See RE, Grimm JW, Kruzich PJ, Fong R (1999) The basolateral amygdala and relapse to cocaine-seeking behavior. American College of Neuropsychopharmacology Annual Meeting 38:254.
154. Grimm JW, Kruzich PJ, See RE (1998) Evidence for compound stimulus driven conditioned cued recovery in an animal model of relapse. College on Problems of Drug Dependence.
155. Kruzich PJ, Grimm JW, Rustay NR, Parks CD, See RE (1998) Behaviors associated with cocaine self-administration predict the magnitude of reinstatement in rats. Society for Neuroscience Abstracts 24(2):2174.
156. Grimm JW, Kruzich PJ, Rustay NR, See RE (1998) Conditioned cued recovery of cocaine reinforced responding requires a compound stimulus. Society for Neuroscience Abstracts 24(2):2174.
157. See RE (1997) Glutamatergic pathophysiology and chronic neuroleptics. Journal of Physiology and Biochemistry 53(1):122.
158. Grimm JW, Kruzich PJ, See RE (1997) Direct motor cortex stimulated oral movements are sensitized in chronic haloperidol treated rats. American Association for the Advancement of Science Annual Meeting A-85.
159. Kruzich PJ, See RE (1997) Pre-exposure to neurotoxic levels of MK-801 does not affect sensitization to MK-801. American Association for the Advancement of Science Annual Meeting A-86.
160. Grimm JW, See RE (1997) Enhanced D1 agonist induced extracellular dopamine changes in the striatum of chronic haloperidol treated rats. Society for Neuroscience Abstracts 23(2):1931.
161. See RE, Meshul CK, Grimm JW, Kruzich PJ (1997) Clozapine decreases neuronal GABA release in the globus pallidus: evidence from combined microdialysis and immunolabeling. Society for Neuroscience Abstracts 23(2):1932.
162. See RE, Maurice M, Ibrahim MM, Salama GMS (1997) Risperidone treatment of chronic schizophrenia in Kuwait: a double blind comparison with haloperidol. American College of Neuropsychopharmacology Annual Meeting 36:307.
163. Grimm JW, See RE (1996) Acute risperidone decreases extracellular GABA levels in the globus pallidus and produces catalepsy. Society for Neuroscience Abstracts 22(2):1296.
164. Kruzich PJ, Grimm JW, See RE (1996) Early postnatal MK-801 exposure alters locomotor response to subsequent administration in adult rats. Society for Neuroscience Abstracts 22(3):1674.
165. Sorg BA, Willis JR, See RE, Barnes CD, Hopkins B, Westberg HH (1996) Repeated low-level formaldehyde exposure produces long-term cross sensitization to cocaine: relevance to an animal model for multiple chemical sensitivity. Society for Neuroscience Abstracts 22(3):2064.
166. See RE (1996) New generation antipsychotic drugs - theories on their mechanisms of action. 10<sup>th</sup> Congress: Kuwait Medical Association 10:269.
167. Grimm J, See RE (1995) Response to novelty predicts cocaine self-administration in rats. Society for Neuroscience Abstracts 1995; 21(3):1957.
168. Meil WM, See RE (1995) Excitotoxic lesions of the basolateral amygdala attenuate the ability of drug associated cues to reinstate responding during withdrawal from self-administered cocaine. Society for Neuroscience Abstracts 21(3):1958.
169. Sorg BA, Willis JR, Nowatka TC, See RE (1995) A proposed animal model of multiple chemical sensitivity: relevance to behavioral sensitization. Society for Neuroscience Abstracts 21(1):699.
170. See RE, Lynch AM (1995) Cortical activation of oral movements in rats. Society for Neuroscience Abstracts 21(3):1900.

171. See RE (1995) Alterations in subcortical amino acid systems by antipsychotic drugs. American College of Neuropsychopharmacology Annual Meeting 34:22.
172. Roll JM, McSweeney FK, See RE (1994) Patterns of responding within experimental sessions: implications for behavioral pharmacology. Association for Behavior Analysis 236.
173. See RE, Lynch A, Chapman MA, Kinkead B, Nemeroff CB, Owens MJ (1994) Chronic haloperidol-induced changes in regional neurotransmitter function in rats. Schizophrenia 1994: Exploring the Spectrum of Psychosis.
174. Grimm J, See RE (1994) Effects of 17- $\beta$  estradiol on intravenous cocaine self-administration by castrated female rats. Society for Neuroscience Abstracts 20(2):1633.
175. Roll JM, Hinson JM, Meil WM, See RE (1994) Effect of fixed-interval schedule on response distribution when rats self-administer cocaine. Society for Neuroscience Abstracts 20(1):812.
176. See RE, Sorg BA, Lynch AM (1994) Decreases in dopamine D2 receptor mRNA in the nucleus accumbens following subchronic antipsychotic drug administration. Society for Neuroscience Abstracts 20(1):225.
177. Chapman MA, See RE (1994) Differential effects of antipsychotic drugs on extracellular GABA levels in the ventral pallidum and globus pallidus of rats. Society for Neuroscience Abstracts 20(2):1638.
178. Meil WM, Roll JM, See RE (1994) Tolerance to cocaine induced elevation of extracellular dopamine in the nucleus accumbens following seven days of withdrawal. Society for Neuroscience Abstracts 20(2):1626.
179. See RE, Lynch A (1994) Increased glutamate release in caudate putamen, but not prefrontal cortex, during chronic haloperidol administration in rats. American College of Neuropsychopharmacology Annual Meeting 33:194.
180. Meil WM, See RE (1993) Alterations in extracellular striatal dopamine during cataleptic behavioral sensitization to fluphenazine. Society for Neuroscience Abstracts 19(3):1831.
181. Chapman MA, See RE (1993) Increased sensitivity to the effects of quinpirole on extracellular GABA levels in the substantia nigra of rats administered chronic haloperidol. Society for Neuroscience Abstracts 19(1):597.
182. Roll JM, McSweeney FK, See RE, Kelly BP, Meil WM (1993) Within session variation in behavior: an untapped source of data and potential confounds for behavioral pharmacology. Society for Neuroscience Abstracts 19(2):1610.
183. See RE (1993) Short vs long term antipsychotic drug effects on striatal function: Implications for drug-induced extrapyramidal syndromes. The Physiologist 36(4):A18.
184. Meil WM, Roll JM, Hinson JM, See RE (1993) Rate of responding within an experimental session is not constant when rats respond for IV cocaine. Northwestern Association for Behavioral Analysis Annual Meeting.
185. See RE, Chapman MA (1993) Chronic haloperidol, but not chronic clozapine, produces oral dyskinesia and increased striatal glutamate levels in rats. American College of Neuropsychopharmacology Annual Meeting 32:259.
186. See RE, Adams-Curtis L, Chapman MA (1992) Assessment of dopamine release by in vivo microdialysis in the nucleus accumbens of rats following acute and chronic administration of desipramine. In: Neurobiology of Drug and Alcohol Addiction, Annals of the New York Academy of Sciences 654:522-524.
187. See RE, Murray CE (1992) Striatal dopamine release and metabolism in rats during and after subchronic haloperidol administration. Seventh International Catecholamine Symposium 285.
188. Roll JM, Kelly B, See RE (1992) A method for studying the operant self-administration of respirable pharmaceuticals in laboratory rats. Northwestern Association for Behavioral Analysis Annual Meeting.
189. See RE, Murray CE (1992) In vivo striatal dopamine turnover is increased in rats with haloperidol-induced oral dyskinesia. Society for Neuroscience Abstracts 18(1):665.
190. Lipton JW, See RE (1992) The effect of continuous cocaine administration on alterations in striatal extracellular dopamine metabolism. Society for Neuroscience Abstracts 18(2):1079.
191. See RE, Striplin CD (1992) Measurement of G protein levels following chronic haloperidol administration in rats. American College of Neuropsychopharmacology Annual Meeting 31:208.
192. See RE, Chapman MA (1991) In vivo striatal dopamine release and metabolism in chronic neuroleptic-treated rats following acute injection of quinpirole and pilocarpine. Society for Neuroscience Abstracts 17(1):88.
193. Chapman MA, See RE (1991) Dopamine/neurotensin interactions in the rat striatum. Society for Neuroscience Abstracts 17(2):986.
194. See RE, Chapman MA, Murray C (1991) In vivo DA release and metabolism is increased in the caudate-putamen, but not in the nucleus accumbens of chronic neuroleptic-treated rats. American College of Neuropsychopharmacology Annual Meeting 30:139.
195. Chapman MA, See RE (1990) Acute systemic administration of cholinergic agonists and antagonists produce unique patterns of oral activity in rats. Society for Neuroscience Abstracts 16:387.
196. See RE (1990) Dopaminergic neurotransmission assessed by in vivo dialysis in the ventrolateral striatum of rats following systemic administration of specific dopamine (DA) agonists and antagonists. Society for Neuroscience Abstracts 16:1044.
197. Ellison GD, See RE (1989) Computerized studies of mouth movement abnormalities which gradually develop in rats following chronic neuroleptics: Implications for tardive dyskinesia. Schizophrenia Research 2:235.
198. See RE, Ellison GD (1989) Autoradiographic analysis of dopamine and GABA/benzodiazepine receptors following chronic neuroleptic treatment in rats. Society for Neuroscience Abstracts 15:139.
199. Ellison GD, See RE (1989) Continuous haloperidol induces oral movements in rats which have a tardive dyskinesia-like form, whereas weekly haloperidol injections induce a primed dystonia-like syndrome. Society for Neuroscience Abstracts 15:270.
200. Ellison GD, See RE, Kim J (1988) Computerized studies of behavior reveal alterations in responsivity to D-1 and D-2 agonists following chronic neuroleptics. Society for Neuroscience Abstracts 14:304.
201. Lubischer J, See RE, Levin ED, Liebeskind JC (1987) The effects of D1 and D2 receptor antagonists on pain sensitivity and morphine analgesia in the rat. Proceedings of the Western Pharmacological Society 30:229-232.
202. See RE, Williams J, Ellison GD (1987) Behavioral and receptor changes in rats following chronic treatment with haloperidol decanoate and fluphenazine decanoate. Society for Neuroscience Abstracts 13:83.

203. Levy AD, See RE, Levin ED, Ellison GD (1987) Neuroleptic-induced oral dyskinesias: methodological issues. Society for Neuroscience Abstracts 13:83.
204. Levin ED, See RE, Johansson P, South D, Gunne L, Ellison GD (1987) Effects of the D1 and D2 antagonists, SCH 23390 and sulpiride, on oral movements in rats. Society for Neuroscience Abstracts 13:451.
205. Ellison GD, Levin ED, Levy AD, See RE (1987) Chronic neuroleptics induce tiny oral tremors in rats: a new model of tardive dyskinesia. Neuroscience 22(Suppl.1):S451.
206. Levin ED, Ellison GD, See RE, South D, Young E (1987) D1 and D2 interactions with pilocarpine-induced oral movements in rats. Neuroscience 22(Suppl.1):S639.
207. See RE, Levin ED, Ellison GD (1986) Characteristics of oral dyskinesias in neuroleptic-treated rats as measured by two different assessment techniques. Society for Neuroscience Abstracts 12:1203.
208. Weinstein DL, Ellison GD, Levin ED, See RE (1986) Dyskinetic oral movements in guinea pigs following chronic neuroleptic treatment. Society for Neuroscience Abstracts 12:1203.
209. Weinstein DL, Ellison GD, See RE, Levin ED (1986) A model for tardive dyskinesia: The effects of fluphenazine decanoate in guinea pigs. Proceedings of the Western Pharmacological Society 29:405-407.
210. See RE, Ellison GD, Kinney J (1985) A computerized technique for the study of mouth movements: Effects of chronic neuroleptics. Society for Neuroscience Abstracts 11:629.