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Academic and Professional Positions

- 2015-present: Professor of Psychology and Neuroscience, Department of Psychology
Westmont College, Santa Barbara, CA
- 2013-2015: Professor of Neuroscience, Department of Internal Medicine, Faculty of Medicine
University of Tabuk, 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 and Neuroscience 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 and Neuroscience Program
Washington State University, Pullman, WA
- 1984-1989: Graduate Research and Teaching Assistant
Department of Psychology, University of California, Los Angeles, CA
- 1983-1984: Surgical Research Assistant, 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

Education

- 1984-1989 University of California, Los Angeles; M.A. and Ph.D. in Physiological Psychology
Fields of study: Psychology, Neuroscience, Pharmacology
- 1979-1984 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

Administrative Experience

- Chair, Department of Psychology, Westmont College, 2017-present
- Director of Research Development, Faculty of Medicine, University of Tabuk, Saudi Arabia, 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
- 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
- Director of the Neuropsychopharmacology Laboratory, Washington State University, 1989-1998
- Director, Department of Psychology vivarium, Washington State University, 1991-1993

Teaching Experience

Undergraduate Courses:

Advanced Psychobiology
Behavioral Neuroscience (with Laboratory)
Brain Science and Society – Honors course
Capstone Senior Research Seminar
Contemporary Topics in Psychology
Experimental Methods in Psychobiology
First Year Seminar for Undergraduates
General Psychology
History and Systems of Psychology
Honors Introduction to Psychology
Human Neuropsychology
Introduction to Psychobiology
Mental Health in Global Context
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

Research Interests

- Behavioral and neurobiological parameters of drug addiction, craving, and relapse
- Hormonal biomarkers for repetitive transcranial magnetic stimulation effects in major depression
- Psychophysiological regulation of acute stress responses
- 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
- Organization for the Study of Sex Differences
- Psi Chi, National Honor Society in Psychology
- Slovenian Neuroscience Society (Slovensko Društvo za Nevroznanost)
- Society for Neuroscience

Fellowships and Awards

- *Brain Awareness Week*: Plenary speaker, University of Ljubljana, Slovenia, 2024.
- *Lady Davis Fellowship*: Marie and Matthew Heller Visiting Professor in Medicine at the Hebrew University, Jerusalem, Israel, 2022.
- *Brain Awareness Week*: Plenary speaker, University of Ljubljana, Slovenia, 2018.
- *Fulbright Scholar Award*: Research and teaching scholar, University of Ljubljana, Slovenia, 2010.
- *Academic Fellow*: MUSC Board of Trustees Leadership Academy, 2008-2009.
- *U.S. Distinguished International Scientist*: National Institute on Drug Abuse visiting fellow at the University of Valencia, Spain, 2006.
- *Research Fellowship*: Burroughs Wellcome Fund fellow, University of Oxford, England, 1996.
- *Young Investigator Travel 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 (h-index = 65; i10 index = 143)

1. See RE, Eusebio B, Agnew D, Heatwole M (2021) Assessment of multiple salivary biomarkers during repetitive transcranial magnetic stimulation (rTMS) treatment for major depression. Psychiatry Research; 302:114053.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. Zhou L, Sun WL, Young AB, Lee KH, McGinty JF, See RE (2015) Oxytocin reduces cocaine seeking and reverses chronic cocaine-induced changes in glutamate receptor function. International Journal of Neuropsychopharmacology; 18(1):1-11.
11. 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.
12. 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.

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13. 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.
14. 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.
15. 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.
16. 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.
17. Cox BM, Young A, See RE, Reichel CM (2013) Sex differences in methamphetamine seeking in rats: Impact of oxytocin. Psychoneuroendocrinology; 38:2343-2353.
18. 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.
19. 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.
20. 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.
21. Reichel CM, Ramsey LA, Schwendt M, McGinty JF, See RE (2012) Methamphetamine-induced changes in the object recognition memory circuit. Neuropharmacology; 62:1119-1126.
22. 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.
23. 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.
24. 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.
25. 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.
26. Reichel CM, See RE (2012) Attenuation of methamphetamine-seeking after chronic modafinil administration in rats. International Journal of Neuropsychopharmacology; 15:919-929.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.

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33. 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.
34. 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.
35. 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.
36. 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.
37. Thomas S, Randall PK, Brady KT, See RE, Drobles 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. Reichel CM, See RE (2010) Modafinil effects on reinstatement of methamphetamine-seeking in an animal model of relapse. Psychopharmacology; 210:337–346.
48. 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.
49. 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
50. 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.

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51. Feltenstein MW, Byrd EA, Henderson AR, See RE (2009) Attenuation of cocaine-seeking by progesterone treatment in female rats. Psychoneuroendocrinology 34:343-352.
52. 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.
53. 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.
54. Smith RJ, See RE, Aston-Jones G (2009) Orexin/hypocretin signaling at the OX₁ receptor regulates cue-elicited cocaine-seeking. European Journal of Neuroscience 30:493-503.
55. Buffalari DM, See RE (2009) Footshock stress potentiates cue-induced cocaine-seeking in an animal model of relapse. Physiology and Behavior 98:614-617.
56. Feltenstein MW, Do PH, See RE (2009) Repeated aripiprazole administration attenuates cocaine-seeking in a rat model of relapse. Psychopharmacology 207:401-411.
57. 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.
58. 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.
59. Kippin TE, Szumlinski KK, Kapasova Z, Rezner B, See RE (2008) Prenatal stress enhances the psychomotor stimulant, motivational, and neurochemical effects of cocaine. Neuropsychopharmacology 33:769-782.
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. 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.
62. 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.
63. 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.
64. Feltenstein MW, Altar CA, See RE (2007) Aripiprazole blocks reinstatement of cocaine-seeking in an animal model of relapse. Biological Psychiatry 61:582-590.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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.

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70. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. 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-cue reinstatement of cocaine seeking. European Journal of Neuroscience 23:2809-2813.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. 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.
82. 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.
83. 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.
84. 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.
85. McLaughlin J, See RE (2003) Selective inactivation of the dorsomedial prefrontal cortex and the basolateral amygdala attenuates conditioned-cue reinstatement of extinguished cocaine-seeking behavior in rats. Psychopharmacology 168:57-65.
86. 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.
87. Fuchs RA, See RE (2002) Basolateral amygdala inactivation abolishes conditioned stimulus- and heroin-induced reinstatement of extinguished heroin-seeking behavior. Psychopharmacology 160:425-433.

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88. 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.
89. 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.
90. 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.
91. 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.
92. 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.
93. See RE, Berglind WJ (2001) Decreased pallidal GABA following reverse microdialysis with clozapine, but not haloperidol. Neuroreport 12:3655-3658.
94. Grimm JW, See RE (2000) Dissociation of primary and secondary reward relevant limbic nuclei in an animal model of relapse. Neuropsychopharmacology 22:473-479.
95. 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.
96. Kruzich PJ, See RE (2000) An evaluation of the role of 5HT_{2A} receptor antagonism during subchronic antipsychotic drug administration in rats. Brain Research 875:35-43.
97. 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.
98. 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.
99. 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.
100. 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.
101. 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.
102. Grimm JW, Aravagiri M, See RE (1998) Ovariectomy results in lower plasma haloperidol levels in rats following chronic administration. Pharmaceutical Research 15:1640-1642.
103. 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.
104. Grimm JW, See RE (1998) Unique activation of extracellular striato-pallidal neurotransmitters in rats following acute risperidone. Brain Research 801:182-189.
105. Grimm JW, See RE (1997) Cocaine self-administration in ovariectomized rats is predicted by response to novelty, attenuated by 17- β estradiol, and associated with abnormal vaginal cytology. Physiology & Behavior 61:755-761.
106. 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.

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107. 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.
108. 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.
109. 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.
110. 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.
111. 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.
112. Chapman MA, See RE (1996) The neurotensin receptor antagonist SR48692 decreases extracellular striatal GABA in rats. Brain Research 729:124-126.
113. See RE, Lynch AM (1996) Duration dependent increase in striatal glutamate following prolonged fluphenazine administration in rats. European Journal of Pharmacology 308:279-282.
114. 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.
115. See RE, Lynch AM (1995) Chronic haloperidol potentiates stimulated glutamate release in caudate putamen, but not prefrontal cortex. Neuroreport 6:1795-1798.
116. 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.
117. 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.
118. 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.
119. 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.
120. 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.
121. See RE, Striplin C, Kalivas PW (1993) Chronic haloperidol does not alter G protein β -subunit levels in rats. Molecular Brain Research 19:219-221.
122. See RE (1993) Assessment of striatal extracellular dopamine and dopamine metabolites in haloperidol-treated rats exhibiting oral dyskinesia. Neuropsychopharmacology 9:101-109.
123. Chapman MA, See RE, Bissette G (1992) Neurotensin increases striatal dopamine release in vivo. Neuropeptides 22:175-183.
124. 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.
125. 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.
126. 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.

Curriculum Vitae

127. 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.
128. See RE, Chapman MA (1991) Cholinergic modulation of oral activity in drug naive and chronic haloperidol-treated rats. Pharmacology Biochemistry & Behavior 39:49-54.
129. 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.
130. 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.
131. See RE, Ellison G (1990) Intermittent and continuous haloperidol regimens produce different types of oral dyskinesias in rats. Psychopharmacology 100:404-412.
132. 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.
133. Ellison GD, See RE (1990) Altered rest-activity cycles during chronic neuroleptic administration in rats. Pharmacology Biochemistry & Behavior 36:807-811.
134. 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.
135. 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.
136. 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.
137. See RE, Aravagiri M, Ellison GD (1989) Chronic neuroleptic treatment in rats produces persisting changes in GABA_A and dopamine D-2, but not dopamine D-1 receptors. Life Sciences 44:229-236.
138. 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.
139. 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.
140. 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.
141. 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.
142. 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.
143. Ellison GD, See R, Levin ED, Kinney J (1987) Tremorous mouth movements in rats administered chronic neuroleptics. Psychopharmacology 92:122-126.
144. 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. Feltenstein MW, See RE, Fuchs RA (2021) Neural substrates and circuits of drug addiction. Cold Spring Harbor Perspectives in Medicine 11(4):a039628. doi: 10.1101/cshperspect.a039628.
2. Bernheim A, See RE, Reichel CM (2016) Chronic methamphetamine self-administration disrupts cortical control of attention and memory. Neuroscience & Biobehavioral Reviews 69:36-48.

Curriculum Vitae

3. 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.
4. Reichel CM, See RE (2012) Chronic N-acetylcysteine after cocaine self-administration produces enduring reductions in drug-seeking. Neuropsychopharmacology Reviews 37(1):298.
5. 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.
6. Zhou L, Sun WL, See RE (2011) Orexin receptor targets for anti-relapse medication development. Pharmaceuticals 4:804-821.
7. Buffalari DM, See RE (2010) Amygdala mechanisms of pavlovian psychostimulant conditioning and relapse. Current Topics in Behavioral Neurosciences 3:73-99.
8. See RE, Kalivas PW (2009) Neuroscience of substance abuse and dependence. In: Kaplan & Sadock's Comprehensive Textbook of Psychiatry, (9th edition, Lippincott Williams & Wilkins, Philadelphia; pp. 387-393.
9. Yahyavi-Firouz-Abadi N, See RE (2009) Anti-relapse medications: Preclinical models for drug addiction treatment. Pharmacology & Therapeutics 124(2):235-247.
10. Feltenstein MW, See RE (2008) The neurocircuitry of addiction: An overview. British Journal of Pharmacology 154(2):261-274.
11. See RE (2005) Neural substrates of cocaine-cue associations that trigger relapse. European Journal of Pharmacology 526:140-146.
12. 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.
13. Kalivas PW, McFarland K, See RE (2003) Psychiatric pathophysiology: Addiction. In: Psychiatry (Eds. Tasman A, Kay J, Lieberman JA), 2nd edition, Vol. 1, John Wiley & Sons, Chichester, England; pp. 330-337.
14. See RE (2002) Neural substrates of conditioned-cued relapse to drug-seeking behavior. Pharmacology, Biochemistry and Behavior 71(1):137-149.
15. 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.
16. 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.
17. 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.
18. 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.

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. P-glycoprotein Regulation of Antipsychotic Exposure and Effects (Co-investigator) RO1 - NIMH, 2/14/05–1/31/09 (\$800,000 direct costs).

Curriculum Vitae

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 NE 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.

Field Reviewer

Editorial board member: Addiction Genetics (2012-present), American Journal of Translational Research (2010-present), Journal of Translational Medicine (2010-present), Neuropsychopharmacology (2009-2019), Saudi Journal of Medicine and Medical Sciences (2017-present), Translational Medicine Communications (2015-present), Translational Neuroscience (2020-present)

Ad hoc reviewer:

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

Service and Supervision

Undergraduate students

- Faculty advisor for psychology and behavioral neuroscience majors (30-35 each academic year), 2016-present
- Research supervisor for undergraduate projects, 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, 2001-2012
- MUSC summer undergraduate research fellowship program reviewer, 1999-2000

Curriculum Vitae

- 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 member for multiple doctoral degrees, masters degrees, preliminary examinations, 1989-present
- Committee chair for multiple doctoral degrees, masters degrees, preliminary examinations, 1989-2015
- Neuroscience graduate program committee member, 1999-2013
- Medical Scientist Training Program (MD-PhD) admissions committee member, 2009-2012
- Neuroscience 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 of Psychology chair, 2017-present
- Faculty search committee chair (Psychology), 2020-2021
- Tenure guidance committee member for junior faculty, 1994-2013
- Department education committee member, 2004-2013
- Faculty search committee member (Experimental Neurology), 2010-2011
- Faculty search committee member (Cognitive Neuroscience), 2008-2010
- Faculty search committee member (Neuroscience), 2005-2006
- Space committee chair, 2004-2006
- Faculty search committee member (Neuroscience), 1999-2002
- 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, Budget and salary committee member, 2023-2025
- Westmont College, Faculty Council member, 2019-2022
- Faculty search committee member (Communication Studies), 2021-2022
- Westmont College, Vice chair of the Academic Senate, 2018-2019
- Faculty search committee member (Kinesiology), 2017-2019
- Westmont College diversity committee member, 2016-2018
- 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

Curriculum Vitae

- 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 in Communications team member, 2007-2009
- MUSC Associate Provost for Faculty Development, Search committee member, 2008
- President, Society for Neuroscience, South Carolina Chapter, 2005-2006
- MUSC University research committee member, 2002-2006
- Faculty search committee member (Neurology), 2004-2005
- MUSC Graduate Council member, 2000-2002
- Director of the 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
- President, Society for Neuroscience, Northern Rocky Mountain Chapter, 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

- University of Ljubljana grant reviewer, 2024
- Kuwait University grant reviewer, 2002-present
- Specialized Center of Research on Sex and Gender Factors grant reviewer, 2022
- University of Sharjah grant reviewer, 2022
- Fulbright US Scholar Program grant reviewer, 2016-2018
- Specialized Center of Research on Sex and Gender Factors grant reviewer, 2018
- 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

Curriculum Vitae

- NIH - NIMH Special emphasis panel committee member (MDCN-3), 1999
- Medical Research Council of Canada grant reviewer, 1997

External service

- Reviewer, tenure & promotion: Qassim University Faculty of Medicine, Saudi Arabia, 2022
- Reviewer, tenure & promotion: Department of Psychiatry, MUSC, 2021
- 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; 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: UCLA; 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 Research Faculty – Primary Mentor

- Carmela Reichel, Ph.D. 2009-2014 (K award mentor)
- Luyi Zhou, Ph.D. 2009-2014
- Margaret Gill, Ph.D. 2010-2013
- R. Parrish Waters, Ph.D. 2009-2012
- Marek Schwendt, Ph.D. 2008-2012
- Matthew Feltenstein, Ph.D. 2004-2012 (K award mentor)
- Sudie Back, Ph.D. 2007-2010 (K award mentor)
- 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
- Jay Elliott, Ph.D. 2005-2006
- Tod Kippin, Ph.D. 2004-2005

- Rita Fuchs, Ph.D. 2001-2005
- Joselyn McLaughlin, Ph.D. 2000-2002
- Leah Adams Curtis, Ph.D. 1990-1992

Doctoral Committees – Dissertation Committees

• Anamarija Banjac	2023-2024	Committee member	Neuroscience (Univ of Ljubljana)
• Jordan Carter	2020-2024	Committee member	Neuroscience (MUSC)
• Brittney Cox	2010-2015	Committee chair	Neuroscience (MUSC)
• Jennifer Wright	2013-2013	Committee member	Pharmacology (McGill University)
• Bok Soon Go	2012-2013	Committee member	Neuroscience (MUSC)
• Jacob Beckley	2011-2013	Committee member	Neuroscience (MUSC)
• Aram Parsegian	2008-2012	Committee chair	Neuroscience (MUSC)
• Ashley Fortress	2008-2011	Committee member	Neuroscience (MUSC)
• Gregory Sartor	2007-2011	Committee member	Neuroscience (MUSC)
• Matthew Pava	2007-2011	Committee member	Neuroscience (MUSC)
• Matthew Hearing	2007-2010	Committee member	Neuroscience (MUSC)
• Timothy Whitfield	2007-2010	Committee member	Neuroscience (MUSC)
• Rachel Smith	2007-2008	Committee member	Neuroscience (Univ of Pennsylvania)
• Anand Shunmugavel	2007-2008	Committee member	Molecular and Cellular Biology (MUSC)
• Kathleen Willett	2005-2008	Committee member	Neuroscience (MUSC)
• Kevin Johnson	2004-2007	Committee member	Neuroscience (MUSC)
• Robin Willard	2003-2007	Committee member	Neuroscience (MUSC)
• William Berglind	2003-2007	Committee member	Neuroscience (MUSC)
• Jamie Peters	2003-2007	Committee member	Neuroscience (MUSC)
• Brice Williams	2003-2006	Committee member	Neuroscience (MUSC)
• Kimber Price	2003-2006	Committee member	Neuroscience (MUSC)
• Octavia Peck	2000-2005	Committee member	Physiology (MUSC)
• Kyle Kokko	2000-2002	Committee member	Pharmaceutical Science (MUSC)
• Chad Swanson	1999-2001	Committee member	Neuroscience (MUSC)
• Paul Kruzich	1997-2000	Committee chair	Neuroscience (MUSC)
• Jeffrey Grimm	1996-1999	Committee chair	Physiological Psychology (WSU)
• Robert Bramucci	1994-1997	Committee member	Cognitive Psychology (WSU)
• Raymond Phinney	1994-1996	Committee member	Cognitive Psychology (WSU)
• Gina Ortola	1994-1996	Committee member	Clinical Psychology(WSU)
• William Meil	1994-1996	Committee chair	Physiological Psychology (WSU)
• Frank Koegler	1993-1996	Committee member	Neuroscience(WSU)
• Caryn Striplin	1993-1994	Committee member	Neuroscience (WSU)
• Connie Tamura	1993-1994	Committee member	Pharmacology (WSU)
• Mary Ann Chapman	1992-1994	Committee chair	Physiological Psychology(WSU)
• John Roll	1992-1994	Committee member	Animal Learning (WSU)
• Kimberly Roberts	1992-1993	Committee member	Neuroscience (WSU)
• John Coleman	1991-1993	Committee member	Physiological Psychology (WSU)
• Grant McLaren	1991-1993	Committee member	Physiological Psychology (WSU)
• Victoria Cook	1990-1991	Committee member	Neuroscience (WSU)
• Laurie Jensen	1989-1990	Committee member	Physiological Psychology (WSU)

Masters Thesis Committees

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

Doctoral Committees – Preliminary Examinations

• Brittney Cox	2013	Committee chair	Neuroscience (MUSC)
• Nortorious Coleman	2012	Committee member	Neuroscience (MUSC)
• Zackary Cope	2011	Committee member	Neuroscience (MUSC)
• Jacob Beckley	2010	Committee member	Neuroscience (MUSC)
• Aram Parsegian	2009	Committee chair	Neuroscience (MUSC)
• Gregory Sartor	2009	Committee member	Neuroscience (MUSC)
• Matthew Hearing	2008	Committee member	Neuroscience (MUSC)
• Timothy Whitfield	2007	Committee member	Neuroscience (MUSC)
• Matthew Pava	2007	Committee member	Neuroscience (MUSC)
• Michele Bongiovanni	2007	Committee chair	Neuroscience (MUSC)
• Adrian Sproul	2006	Committee member	Molecular and Cellular Biology (MUSC)
• Kevin Johnson	2005	Committee member	Neuroscience (MUSC)
• Robin Willard	2005	Committee member	Neuroscience (MUSC)
• Kathleen Willett	2005	Committee member	Neuroscience (MUSC)
• William Berglind	2004	Committee member	Neuroscience (MUSC)
• Jamie Peters	2004	Committee member	Neuroscience (MUSC)
• Kimber Price	2004	Committee member	Neuroscience (MUSC)
• Christopher Hunter	2002	Committee member	Neuroscience (MUSC)
• Todd Hamilton	1998	Committee member	Physiological Psychology (WSU)
• Paul Kruzich	1996	Committee chair	Physiological Psychology (WSU)
• Tanja Obradovic	1995	Committee member	Pharmacology (WSU)
• Jeffrey Grimm	1995	Committee chair	Physiological Psychology (WSU)
• Christopher Bowd	1994	Committee member	Cognitive Psychology (WSU)
• Leigh Ann Stubley	1994	Committee member	Physiological Psychology (WSU)
• Gary Gargano	1993	Committee member	Cognitive Psychology (WSU)
• William Meil	1993	Committee chair	Physiological Psychology (WSU)
• Connie Tamura	1993	Committee member	Pharmacology (WSU)
• Robert Crane	1993	Committee member	Cognitive Psychology (WSU)
• Cari Cannon	1993	Committee member	Animal Learning (WSU)
• Kelly Johnson	1993	Committee member	Animal Learning (WSU)
• Mary Ann Chapman	1992	Committee chair	Physiological Psychology (WSU)

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• Caryn Striplin	1992	Committee member	Neuroscience (WSU)
• Shiouh-yi Chen	1992	Committee member	Pharmacology (WSU)
• Robert Bramucci	1992	Committee member	Cognitive Psychology (WSU)
• Kim Roberts	1992	Committee member	Neuroscience (WSU)
• Raymond Phinney	1992	Committee member	Cognitive Psychology (WSU)
• John Roll	1991	Committee member	Animal Learning (WSU)
• Grant McLaren	1991	Committee member	Physiological Psychology (WSU)
• Douglas Waring	1991	Committee member	Cognitive Psychology (WSU)
• Victoria Cook	1990	Committee member	Neuroscience (WSU)
• John Coleman	1990	Committee member	Physiological Psychology (WSU)

Invited Colloquia and Conference Presentations

1. Brain Awareness Week, University of Ljubljana, Slovenia, 3/11/24 – 3/14/24: Series of guest lectures in neuropsychiatry.
2. Israel Society for Neuroscience Annual Meeting, Eilat, Israel, 12/5/22: “Modulation of drug seeking by oxytocin in animal models of addiction”
3. Sadra Neuroscience Association, Tehran, Iran, 6/9/22 (remote): “The reinstatement model of relapse to drugs of abuse”
4. Department of Psychology, Western Washington University, Bellingham, WA, 4/28/22: “Modulation of drug seeking by oxytocin in animal models of addiction”
5. Department of Psychology, Washington State University, Vancouver, WA, 4/26/22: “My life as a professor: An unexpected journey”
6. Department of Psychology, Washington State University, Vancouver, WA, 4/26/22: “Lost in the weeds? How neuroscience provides a balanced perspective on cannabis”
7. Neuroscience Program, University of Ljubljana, Slovenia, 3/29/22 (remote): “The role of oxytocin in drug addiction”
8. Department of Psychology, College of Charleston, Charleston, SC, 3/2/22: “Lost in the weeds? A neuroscience perspective on cannabis”
9. Westmont Downtown Lecture, Santa Barbara, CA, 10/7/21: “Lost in the weeds? A neuroscience perspective on cannabis”
10. 14th International Conference on Psychiatry, Jeddah, Saudi Arabia, 3/29/19: “Current trends in addiction pharmacotherapy”
11. 14th International Conference on Psychiatry, Jeddah, Saudi Arabia, 3/28/19: “Neuroendocrine biomarkers for repetitive transcranial magnetic stimulation (rTMS) treatment response in major depressive disorder”
12. 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”
13. Brain Awareness Week, University of Ljubljana, Slovenia, 3/12/18 – 3/16/18: Series of guest lectures in neuropsychiatry.
14. College of Pharmacy, University of South Carolina, Columbia SC, 10/10/17: “Mechanisms of oxytocin in the attenuation of psychostimulant addiction”
15. 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”
16. Chapel Speaker, Westmont College, Santa Barbara, CA, 3/27/2017: “Walking life’s path with God”
17. Science & Faith Club, Westmont College, Santa Barbara, CA, 10/20/2016: “Perspectives on free will: How does recent neuroscience research inform our views?”
18. 30th CINP World Congress of Neuropsychopharmacology, Seoul, Korea, 7/5/16: “Oxytocin attenuates drug seeking in a model of psychostimulant addiction and relapse”
19. Department of Psychological & Brain Sciences, University of California, Santa Barbara CA, 1/7/16: “Oxytocin reduces motivated drug seeking for cocaine and methamphetamine”
20. Drugs of Abuse and Mental Disease Conference, Fondazione Zardi Gori, Milan, Italy, 11/6/15: “Oxytocin as a potential pharmacotherapy for psychostimulant addiction”
21. 11th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/18/15: “Noninvasive neuromodulation as a potential treatment for drug addiction”
22. 11th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/16/15: “New applications for an old peptide: Oxytocin as a pharmacotherapy in Psychiatry”
23. Westmont College, Montecito, CA, 3/19/15: “Can the “love hormone” treat drug addiction? Evidence for reduction of drug seeking by oxytocin”
24. Faculty of Medicine, University of Tabuk, Tabuk, Saudi Arabia, 2/5/14: “How to effectively publish your research”

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25. SiNAPSA Neuroscience Conference 2013, Ljubljana, Slovenia, 9/28/13: "Oxytocin reduces cocaine seeking and restores cocaine-induced decreases in glutamate receptor function"
26. Department of Biology, Faculty of Sciences, University of Tabuk, Tabuk, Saudi Arabia, 6/8/13: "Recent studies on glutamate/dopamine neuroplasticity in methamphetamine addiction"
27. Dopamine 2013 Conference, Alghero, Sardinia, Italy, 5/28/13: "Methamphetamine-induced alterations in prefrontal cortex glutamate and dopamine function"
28. American Psychological Association Annual Meeting 2012, Orlando, FL, 8/4/12: "Sex differences in orexin 1 receptor mediation of reinstatement to cocaine seeking"
29. Collegium Internationale Neuro-Psychopharmacologicum 28th Congress, Stockholm, Sweden, 6/4/12: "Cortico-striatal glutamate dysregulation in an animal model of cocaine addiction and relapse"
30. 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"
31. 8th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/19/12: "Anti-relapse pharmacotherapy for drug addiction"
32. 8th International Conference on Psychiatry, Jeddah, Saudi Arabia, 4/18/12: "Cue-induced neural circuit activation in methamphetamine dependent subjects"
33. Faculty of Medicine, University of Tabuk, Tabuk, Saudi Arabia, 4/16/12: "Translational neuroscience research in medication development for addiction: From bench to bedside"
34. Integrative Neuroscience Research Center, Marquette University, Milwaukee, WI, 4/10/12: "Chronic methamphetamine-induced changes in motivational and cognitive neurocircuitry"
35. 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"
36. Southeastern Association for Behavior Analysis Annual Conference, Charlotte, NC, 10/29/11: "Drug-cue associative learning in animal models of drug addiction"
37. West China Hospital, Sichuan University, Chengdu, China, 10/17/11: "Neurobiological substrates of motivational and cognitive deficits in methamphetamine addiction"
38. Sino-American Symposium on Drug Addiction, Ningbo, China, 10/11/11: "Methamphetamine-induced changes in memory and attentional processing"
39. SiNAPSA Neuroscience Conference 2011, Ljubljana, Slovenia, 9/23/11: "Psychostimulant-induced neuroadaptive changes in prefrontal cortex and cognitive dysfunction"
40. Frontiers in Neuroscience 2011, Seabrook Island, SC, 4/15/11: "Stress my brain, gonna need cocaine: stress and cues in relapse"
41. Experimental Biology 2011, Washington, DC, 4/10/11: "Preclinical models of conditioned drug effects and drug-seeking"
42. South Carolina Clinical & Translational Research Institute (SCTR) Conference, Charleston, SC, 2/25/11: "Cognitive deficits in methamphetamine addiction"
43. Dept of Psychiatry, Virginia Commonwealth University, Richmond, VA, 2/18/11: "Chronic methamphetamine-induced changes in memory and attentional processing"
44. Winter Conference on Brain Research, Keystone, CO, 1/25/11: "Noradrenergic $\alpha 2$ modulation of reinstatement of cocaine seeking"
45. World Association for Social Psychiatry, Marrakech, Morocco, 10/25/10: "Stress-cue interactions in drug addiction"
46. Translational Research in Methamphetamine Addiction Conference, Chico Hot Springs, Montana, 7/20/10: "Cognitive dysfunction after chronic methamphetamine self-administration in rats"
47. Center for the Prevention and Treatment of Drug Addiction, University of Ljubljana, Slovenia, 5/20/10: "Potential anti-relapse medications for psychostimulant addiction"
48. 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"
49. Dept of Pharmacology, University of Milan, Italy, 4/22/10: "Animal models of relapse for developing addiction pharmacotherapy"
50. Slovenian Psychiatric Association – Featured speaker, Portoroz, Slovenia, 4/17/10: "Antipsychotic drugs: A review and update"
51. Psychiatry Hospital, University of Ljubljana, Slovenia, 4/15/10: "Methamphetamine-induced changes in memory and attention"
52. Clinical Neuroscience seminar, University of Ljubljana, Slovenia, 4/12/10: "Insights from basic neuroscience research for the understanding and treatment of drug addiction"

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53. Dept of Psychiatry, University of Ljubljana, Slovenia, 3/24/10: "Relapse to addiction: Experimental models for treatment development"
54. Psychiatry Residence Program, Psychiatry Hospital, University of Ljubljana, Slovenia, 3/23/10: "Understanding drug addiction: Behavioral and neurobiological insights from an animal model"
55. Brain Awareness Week, Slovene Academy of Sciences, Ljubljana, Slovenia, 3/15/10: "Brain pathways of reward"
56. Dept of Psychology, University of Ljubljana, Slovenia, 3/9/10: "Understanding drug addiction: Insights from an animal model"
57. Cognitive Neuroscience Seminar, Neurology Clinic, University of Ljubljana, Slovenia, 2/24/10: "Chronic methamphetamine-induced changes in cognitive function and cortical neuroplasticity"
58. Neuroscience Colloquium, College of Charleston, Charleston, SC, 2/8/10: "Neurobiological substrates of motivational and cognitive deficits of methamphetamine addiction"
59. Winter Conference on Brain Research, Breckenridge, CO, 1/26/10: "Prefrontal cortex circuitry and heroin-seeking in relapse"
60. Winter Conference on Brain Research, Breckenridge, CO, 1/24/10: "Developing anti-relapse medications for drug addiction: Challenges and promises" (panel chair)
61. Winter Conference on Brain Research, Breckenridge, CO, 1/24/10: "Acute and chronic dosing of anti-relapse medications"
62. 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"
63. Dept of Psychology, Concordia Univ, Montreal, Canada, 1/14/10: "Understanding addiction and relapse: Insights from an animal model"
64. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL 12/10/09: "Stress, sex differences, dopamine and addiction" (panel discussant)
65. William Aiken Fellows Society Speaker, College of Charleston, Charleston, SC, 4/27/09: "Understanding addiction and relapse: Insights from an animal model"
66. Collegium Internationale Neuro-Psychopharmacologicum 26th Congress, Munich, Germany, 7/15/08: "Translational research in addiction: Merging neurobiology with clinical treatment" (panel chairman)
67. Collegium Internationale Neuro-Psychopharmacologicum 26th Congress, Munich, Germany, 7/15/08: "Corticostriatal substrates of relapse to drug-seeking following chronic cocaine self-administration"
68. 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"
69. 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"
70. 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"
71. 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"
72. Winter Conference on Brain Research, Snowbird, UT, 1/31/08: "Motivational and cognitive domains of psychostimulant dependence"
73. Winter Conference on Brain Research, Snowbird, UT, 1/29/08: "Medial prefrontal cortex and reinstatement to drug-seeking"
74. Dept of Psychology, University of Nebraska, Lincoln, NE, 1/17/08: "Translational research in addiction center"
75. 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"
76. Neuroscience Program, Mayo Clinic, Rochester, MN, 11/14/07: "The reinstatement model of relapse: Neural substrates & treatment implications"
77. Dept of Psychiatry, Mayo Clinic, Rochester, MN, 11/13/07: "Translational research in addiction center"
78. 13th Duke University Nicotine Research Conference, Durham, NC, 10/11/07: "Neural substrates of drug-cue learning in a model of relapse"
79. 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"
80. Gordon Research Conference: Amygdala in Health and Disease, Lewiston, ME, 7/31/07: "Amygdala & relapse to drugs of abuse"
81. 7th IBRO World Congress of Neuroscience, Melbourne, Australia, 7/14/07: "Novel developments in the neuropharmacology of schizophrenia" (panel chairman)

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82. 7th IBRO World Congress of Neuroscience, Melbourne, Australia, 7/14/07: "Facilitating antipsychotic drug action via p-glycoprotein inhibitors"
83. 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"
84. 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"
85. Winter Conference on Brain Research, Snowmass, CO, 1/30/07: "Skating on thin "ice": Neurobiological and behavioral consequences of high dose methamphetamine" (panel chairman)
86. Winter Conference on Brain Research, Snowmass, CO, 1/30/07: "Drug-seeking and cognitive performance before and after chronic methamphetamine self-administration"
87. Dept of Pharmacology, University of Tennessee Health Sciences, Memphis, TN, 10/25/06: "The neural circuitry of relapse to drugs of abuse"
88. Palacio de Colomina, Valencia, Spain, 6/21/06: "Substratos neurales de la recaída en el consumo de drogas"
89. Facultad de Medicina, Universidad de Valencia, Spain, 6/20/06: "Bases neuroanatómicas de la recaída en el consumo de drogas adictivas"
90. Dept of Psychology, University of California, Santa Barbara, CA, 4/12/06: "Neural circuitry of relapse to drugs of abuse"
91. 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"
92. European Journal of Pharmacology Spring Meeting 2005, Zeist, The Netherlands, 6/12/05: "Neural substrates of cocaine-cue associations that trigger relapse"
93. Dept of Psychiatry, Duke University, Durham, NC, 4/21/05: "The neural circuitry of relapse to drug-seeking behavior"
94. 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"
95. 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"
96. Winter Conference on Brain Research, Breckenridge, CO, 1/25/05: "Decisions, decisions – Orbitofrontal cortex as an arbiter of reward choices" (panel chairman)
97. Winter Conference on Brain Research, Breckenridge, CO, 1/25/05: "Orbitofrontal cortex in the reinstatement of cocaine-seeking"
98. 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"
99. Women's Health Research Symposium, NIH, Bethesda, MD, 10/5/04: "Sex differences in an animal model of relapse"
100. Wando High School, Mt. Pleasant, SC, 8/27/04: "Brain and behavior"
101. Collegium Internationale Neuro-Psychopharmacologicum 24th Congress, Paris, France, 6/21/04: "Neural pathways of addiction with multiple drugs of abuse" (panel chairman)
102. Collegium Internationale Neuro-Psychopharmacologicum 24th Congress, Paris, France, 6/21/04: "Neural substrates of conditioned-cued relapse"
103. 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"
104. Winter Conference on Brain Research, Copper Mountain, CO, 1/29/04: "Circuitry of relapse to drug-seeking behavior"
105. Psychiatry Hospital, Shuwaikh, Kuwait, 3/19/03: "Aripiprazole for the treatment of schizophrenia: A new drug for an old idea"
106. Dopamine 2002, Portland, OR, 7/12/02: "The role of amygdalar dopamine in the reinstatement of cocaine-seeking"
107. Collegium Internationale Neuro-Psychopharmacologicum 23rd Congress, Montreal, Canada, 6/26/02: "The role of amygdalar nuclei in stimulus-cued relapse to drug-seeking behavior"
108. 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"
109. Winter Conference on Brain Research, Snowmass, CO, 1/29/02: "Anatomical and pharmacological determinants of relapse to cocaine-seeking"
110. 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"
111. Dept of Psychology, University of South Carolina, Columbia, SC, 1/7/02: "The neural basis of relapse to drugs of abuse"
112. American College of Neuropsychopharmacology Annual Meeting, Waikaloa, HI, 12/11/01: "Roads to relapse: Neural circuitry involved in drug-seeking behavior" (panel chairman)

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113. American College of Neuropsychopharmacology Annual Meeting, Waikaloa, HI, 12/11/01: "A comparison of the neural pathways of conditioned cue versus drug-induced relapse"
114. Dept of Psychology, University of South Carolina, Columbia, SC, 10/26/01: "Neural pathways of relapse: Insights from an animal model"
115. 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"
116. Day of Discovery, Institute of Psychiatry, MUSC, Charleston SC, 3/09/01: "Insights on neural circuitry of addiction"
117. 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"
118. 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"
119. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/14/00: "Amygdalar structure and function: providing new insights on affective processing" (panel chairman)
120. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/14/00: "Amygdalar involvement in relapse to drugs of abuse"
121. 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"
122. 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"
123. Collegium Internationale Neuro-Psychopharmacologicum 22nd Congress, Brussels, Belgium, 7/13/00: "Regulation of basal ganglia GABA circuitry: Implications for psychiatric and neurological disorders" (panel chairman)
124. Collegium Internationale Neuro-Psychopharmacologicum 22nd Congress, Brussels, Belgium, 7/13/00: "The role of striatopallidal GABA function in the atypical profile of novel antipsychotic drugs"
125. Dept of Psychiatry, Medical University of South Carolina, Charleston SC, 9/27/99: "Cocaine-seeking in an animal model of relapse"
126. American College of Neuropsychopharmacology Annual Meeting, Las Croabas PR, 12/16/98: "Relapse with drugs of abuse – What are the critical factors?" (panel chairman)
127. Dept of Physiology, Medical University of South Carolina, Charleston SC, 7/14/98: "Chronic antipsychotic drug effects on subcortical neurotransmission"
128. Mailman Research Center, McLean Hospital, Belmont MA, 6/24/98: "Alterations in subcortical amino acids by antipsychotic drugs"
129. 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"
130. Washington State University, Vancouver WA, 4/3/98: "Introduction of risperidone for the treatment of schizophrenia in Kuwait"
131. Psychiatry Hospital, Shuwaikh, Kuwait, 1/19/98: "Risperidone versus haloperidol in the treatment of chronic schizophrenia: a double blind comparison study in Kuwait"
132. Dept of Psychology, Washington State Univ, Pullman WA, 10/15/97: "Introduction of risperidone for schizophrenia treatment in Kuwait"
133. Psychiatry Hospital, Shuwaikh, Kuwait, 5/12/97: "Glutamate and schizophrenia - too much or too little of a good thing?"
134. School of Medicine, United Arab Emirates University, Al Ain, UAE, 3/25/97: "Neurochemical consequences of antipsychotic drugs"
135. Tenth Congress of the Kuwait Medical Association, Kuwait City, Kuwait, 12/15/96: "New generation antipsychotic drugs - theories on their mechanisms of action"
136. Dept of Psychology, Kuwait University, Kuwait, 12/3/96: "Antipsychotic drugs – current issues"
137. Faculty of Medicine, Kuwait University, Jabriya, Kuwait, 10/28/96: "Searching for the neural basis of antipsychotic drug effects: Clues from amino acid neurotransmitters"
138. Dept of Experimental Psychology, University of Oxford, England, 5/20/96: "Basolateral amygdala: a substrate for relapse"
139. Dept of Experimental Psychology, University of Oxford, England, 5/14/96: "The neurochemical anatomy of antipsychotic drug administration"
140. Dept of Medical Psychology, Oregon Health Sciences University, Portland OR, 2/7/96: "Regulation of basal ganglia GABA and glutamate by dopamine receptor antagonists"
141. Dept of Neuroscience, Pfizer Inc., Groton CT, 1/23/96: "Neurochemical consequences of antipsychotic drug administration"

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142. American College of Neuropsychopharmacology Annual Meeting, San Juan PR, 12/13/95: "Alterations in subcortical amino acid systems by antipsychotic drugs"
143. Faculty of Medicine, Kuwait University, Jabriya, Kuwait, 9/20/95: "Neurochemical consequences of antipsychotic drugs"
144. 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"
145. Dept of Zoology, Washington State University, Pullman WA, 2/13/95: "The neurochemistry of reward"
146. Washington State University, Vancouver WA, 1/26/95: "New directions in antipsychotic drug treatment of psychosis"
147. 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"
148. Washington State Psychological Association, Spokane WA, 4/23/94: "Psychopharmacology: The next generation"
149. School of Pharmacy, Washington State University, Pullman WA, 4/4/94: "Preclinical study of antipsychotic drugs"
150. Eastern State Psychiatric Hospital, Medical Lake WA, 3/24/94: "New developments in antipsychotic drug research"
151. Dept of Psychology, Washington State Univ, Pullman WA, 9/22/93: "Regional and temporal parameters of antipsychotic drug effects"
152. School of Pharmacy, Washington State Univ, Pullman WA, 4/4/93: "Experimental approaches for the study of antipsychotic drugs"
153. Pharmacology and Toxicology Program, Washington State University, Pullman WA, 10/9/92: "Antipsychotic drugs and schizophrenia: Historical perspectives"
154. School of Veterinary Medicine, Washington State University, Pullman WA, 9/18/92: "Long-term antipsychotic drugs and dopamine metabolism: dialysis studies in the rat"
155. Scripps Research Institute, La Jolla CA, 7/9/92: "Neural consequences of long term antipsychotic drugs"
156. 7th International Catecholamine Symposium, Amsterdam, Netherlands, 6/23/92: "Striatal dopamine release and metabolism in rats during and after subchronic haloperidol administration"
157. Dept of Psychology, University of Idaho, Moscow ID, 2/25/92: "Principles of Psychopharmacology"
158. Dept of Psychology, Washington State Univ, Pullman WA, 2/19/92: "Consequences of long-term antipsychotic drug administration"
159. Biological Sciences Program, University of Idaho, Moscow ID, 10/16/91: "In vivo monoamine function following prolonged neuroleptic administration in rats"
160. School of Veterinary Medicine, Washington State University, Pullman WA, 10/25/90: "Assessment of dopamine release following DA D1 and D2 receptor specific drugs"
161. Dept of Psychology, Washington State Univ, Pullman WA, 11/11/89: "Behavioral and biological aspects of neuroleptic side effects"
162. Dept of Neurology, University of California, Los Angeles CA, 5/30/89: "Animal models of neuroleptic-induced dyskinesia"
163. Dept of Psychology, Washington State Univ, Pullman WA, 2/13/89: "Animal models of neuroleptic-induced movement disorders"
164. College of Letters and Science, Westmont College, Montecito CA, 12/3/88: "Antipsychotic drugs and their side effects"
165. Dept of Psychology, University of California, Los Angeles CA, 2/10/87: "Sensory factors in basal ganglia function"
166. Dept of Psychology, University of California, Los Angeles CA, 4/8/86: "Computerized measurement of oral movements in rats"

Abstracts and Proceedings

1. See RE, Eusebio B, Agnew D, Heatwole M (2022) Repetitive transcranial magnetic stimulation (rTMS) treatment with concurrent measurement of salivary biomarkers in major depressive disorder. Winter Conference on Brain Research 54:W19
2. 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. American College of Neuropsychopharmacology Annual Meeting 56
3. 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 71st Annual Meeting
4. 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
5. Zhou L, See RE, Reichel CM (2014) Sex differences in oxytocin's effects on motivated behavior. American College of Neuropsychopharmacology Annual Meeting 53
6. 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

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7. 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
8. 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
9. 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
10. 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
11. 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
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