

## CURRICULUM VITAE

**NAME:** Jeff L. Weiner, Ph.D.

**CURRENT ACADEMIC TITLE:** Professor (with tenure)

**ADDRESS:** Department of Physiology and Pharmacology  
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### **EDUCATION:**

1994	Pharmacology, University of Toronto Advisor: Dr. P.L. Carlen, M.D.	Ph.D.
1990	Pharmacology, University of Toronto Advisor: Dr. J.M. Khanna, Ph.D.	M.Sc.
1988	University of Toronto Major: Neuroscience Minor: Psychology	B.Sc.

### **POSTDOCTORAL TRAINING**

October, 1994 – March, 1997	Postdoctoral Fellow, University of Colorado Health Sciences Center, Denver, CO. Advisor: T.V. Dunwiddie
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### **EMPLOYMENT:**

July, 2009 – present	Professor (with tenure), Department of Physiology and Pharmacology, Wake Forest University School of Medicine
July, 2003 – June, 2009	Associate Professor, Department of Physiology and Pharmacology, Wake Forest University School of Medicine, Winston-Salem, N.C.
July, 1998 – June, 2003	Assistant Professor, Department of Physiology and Pharmacology, Wake Forest University School of Medicine, Winston-Salem, N.C.
May, 1997 – June, 1998	Instructor, University of Colorado Health Sciences Center, Denver, CO.

### **PROFESSIONAL APPOINTMENTS AND ACTIVITIES:**

Ad Hoc Journal Review	Alcohol Alcohol and Alcoholism Alcoholism: Clinical and Experimental Research
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Anesthesia and Analgesia  
Behavioral Brain Research  
Biological Psychiatry  
Brain Research  
Cerebral Cortex  
Current Addiction Reports  
Drug and Alcohol Dependence  
European Journal of Neuroscience  
Experimental Neurology  
Frontiers in Integrative Neuroscience  
Frontiers in Neuroscience  
Hippocampus  
Journal of Neuroscience  
Journal of Pharmacology and Experimental  
Therapeutics  
Journal of Physiology  
Learning and Memory  
Learning and Motivation  
Neuropharmacology  
Neuropsychopharmacology  
Neuromolecular Medicine  
Neurochemistry International  
Neuroscience  
Neuroscience Letters  
Neurotoxicology and Teratology  
PLOSone  
Progress in Neuro-Psychopharmacology and  
Biological Pharmacological Reviews  
Psychiatry Reviews  
Psychopharmacology  
Scientific Reports  
Stress  
Trends in Psychiatry and Psychotherapy

Study Sections/Review Committees

2017	Ad Hoc Member, NIH, NAL Study Section Member, ZRG1 IFCN-C (02) Special Emphasis Panel: Alcohol and Motivated Behavior Reviewer, German-Israel Foundation for Scientific Review and Development
2016	Member, ZAA1 JJ (08) Targets of Low Dose Alcohol in the Brain, NIAAA Member, ZRG1 IFCN-C (02) Special Emphasis Panel: Alcohol and Motivated Behavior Member, ZRG1 IFCN-C(02) Member Conflict Panel: Alcohol, Drugs, and Neurotoxicology Reviewer, US-Israel Binational Science Foundation
2015	Ad Hoc Member, ZRG1 IFCV-C (03) Member Conflict: Alcohol, Drugs, and Heavy Metals

Ad Hoc Member, ZAA1 DD (04) NIAAA Member  
Conflict Applications - Neuroscience  
Ad Hoc Member, NAL, CSR  
Member, ZRG1 IFCN-C (02) M Special Emphasis  
Panel: Alcohol, Neurotoxicology and Drugs  
Member, ZAA1 GG (69) Medical University of  
South Carolina Center Review, NIAAA  
Chair, ZAA1 CC (01) Neurobiology of Adolescent  
Drinking in Adulthood (NADIA) Consortium Review  
Member, ZRG1 IFCN-C (02) M Member Conflict  
Panel: Neurotoxicology and Drugs  
The Netherlands Organisation for Health Research  
and Development

2014 Member, ZAA1 DD (C1)1 Concept Review: Ghrelin  
Vaccine for Alcohol Use Disorders

2013 Member, ZRG1 IFCN (2) Member Conflict Panel:  
Drugs and Alcohol  
Member, ZRG1 IFCN-C (02) Special Emphasis  
Panel: Cocaine, Alcohol and Reward  
Member, ZRG1 IFCN-C (03) Member Conflict  
Panel: Drugs and Alcohol

2012-2015 Member, AA-4, NIAAA

2012 Ad-hoc Reviewer, AA-4 (1), NIAAA  
Ad-hoc Reviewer, ZAA-1 GG (61), NIAAA  
Member, ZRG1 IFCN-C (02) M Special Emphasis  
Panel: Drugs, Alcohol and Learning.

2010 Ad-hoc Member, review panel, NADIA consortia,  
NIAAA  
  
Ad-hoc Reviewer, IFCN-C(02)

2009 Ad Hoc Reviewer  
NIH, ARRA Challenge Grants

2006 Ad Hoc Reviewer  
National Science Foundation

2004-2008 Reviewer  
NIH, NAL Study Section

2003, 2007 Ad Hoc Reviewer  
NIH, NAL-1 Study Section

2002 Ad Hoc Reviewer  
Center for the Neurobehavioral Study of Alcohol  
Pilot Project Review

2001 Ad Hoc Reviewer  
American Institute of Biological Sciences  
Congressional Peer Review Panel

**INSTITUTIONAL SERVICE:**

University Committee Assignments

2014-present Institutional Promotions and Tenure Committee  
2014-2016 Institutional Faculty Compensation Committee  
2014-2016 Funds Flow Sub-committee – Institutional Faculty  
Compensation Committee  
2013-2017 University Faculty Senate  
2013-present Institutional Human Resources Council  
2012-2015 Dean’s Faculty Representative Council  
2010-present Chair, Neuroscience Graduate Program Executive  
Committee  
2008 Physiology and Pharmacology Chair Search  
Committee  
2007-2010 Dean’s Advisory Committee  
2005-present Graduate School Biomedical Sciences Committee  
2005–2008 Institutional Intramural Research Support  
Committee

Departmental Committee Assignments

2015 Chair, Departmental Faculty Recruitment  
Committee  
2013 - present Departmental Promotions and Tenure Committee  
2010 - present Chair, Executive Committee, Neuroscience  
Graduate Studies Program  
2005–2010 Co-Director, Graduate Studies, Physiology and  
Pharmacology  
2003 – 2005 Assistant Director, Graduate Studies, Physiology  
and Pharmacology  
2005-present Student Evaluation Committee, Physiology and  
Pharmacology  
2004-present Graduate Student Curriculum Committee,  
Physiology and Pharmacology  
2003-present Graduate Student Recruitment and Admissions  
Committee, Physiology and Pharmacology  
2003-2007 Faculty Promotions Committee, Department of  
Physiology and Pharmacology  
2000-2005 Student Evaluation Committee, Neurosciences  
2001, 2003 Departmental Faculty Recruitment Committee  
2000-2007 Medical School Admissions Interviewer  
2000-2004 Medical Student Practical Exam Evaluator  
1999-2001 Physician Assistant Admissions Interviewer  
1999-2000 Neuroscience Programmatic Area Committee,  
Director  
1999-2000 Ad Hoc Reviewer, Department of Physiology and  
Pharmacology Thesis Proposals

1999-2001 Departmental Seminar Series Coordinator

**PROFESSIONAL MEMBERSHIPS AND SERVICE:**

Society for Neuroscience  
Western North Carolina Chapter, Treasurer, 2007-2009  
Research Society on Alcoholism  
Animal Research and Ethics Committee, Founding Chair, 2013 – 2016  
Member, 2017 - present  
International Society for Biomedical Research on Alcoholism

**HONORS AND AWARDS:**

2018	Co-Chair, Gordon Research Conference on Alcohol and the Nervous System
2016	Co-Vice Chair, Gordon Research Conference on Alcohol and the Nervous System
2015	Faculty Excellence Award – Wake Forest Graduate Student Association
2014-2016	Faculty of 1000 Member (Neuropharmacology & Psychopharmacology)
2014	NIH MERIT Award
2009	Neuroscience Teaching Award
2008	Research Society on Alcoholism Lecture Series
2007	Wake Forest University Health Sciences Mid-Career Investigator in Basic Sciences Award
2002	Wake Forest University Health Sciences New Investigator in Basic Sciences Award
2001	Research Society on Alcoholism Young Investigator Award
1995-1998	Individual NRSA Postdoctoral Fellowship
1994-1995	NRSA Postdoctoral Training Grant
1994	Research Society on Alcoholism Travel Award
1990-1994	Ontario Graduate Scholarship
1990-1992	Connaught Scholarship

**PROFESSIONAL INTERESTS:**

**Synaptic Neuropharmacology, Rodent Models of Vulnerability and Resilience to Alcohol Addiction**

The overall research focus of our lab is to study the neurobiological substrates underlying vulnerability and resilience to alcohol use disorder. Our primary goal is to identify neural substrates that contribute to the high levels of comorbidity between anxiety disorders and alcoholism in an effort to find novel targets for the development of more effective pharmacotherapies for the treatment of these diseases. To achieve these goals, we employ a multidisciplinary approach, using a wide range of neurobiological methods to study the physiological and pharmacological properties of synapses in brain slice preparations (e.g. electrophysiology, optogenetics) and sophisticated rodent behavioral models to characterize emotion-related behaviors and ethanol self-administration.

**GRANTS:**

**Current:**

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|-----------|--|
| 2018-2023 | P50, NIH AA 026117<br>Principal Investigator, Co-Principal Investigator (Project 4), Wake Forest Translational Alcohol Research Center |
| 2017-2022 | R01, NIH AA 26551<br>Principal Investigator, Neural Substrates of Comorbid Alcohol Use Disorder and Post-Traumatic Stress Disorder     |
| 2009-2019 | R37, NIH AA 17531<br>Principal Investigator, Synaptic Correlates of Vulnerability and Resilience to Alcohol Use Disorders              |
| 2004-2019 | R37, NIH AA 10422 (Homanics, P.I.)<br>Subcontract P.I., Ethanol Mechanisms in GABA <sub>A</sub> -R Gene Targeted Mice                  |
| 2014-2019 | R01, NIH AA 22449 (Budygin, PI)<br>Co-Investigator, Real-Time Accumbal Dopamine Signaling and Ethanol Drinking Behavior                |

**PAST GRANT HISTORY:**

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| 2012-2018 | P01, NIH AA 21099,<br>Director, Project 3, Co-PI, Translational Studies on Early Life Stress and Vulnerability to Alcohol Addiction |
| 2012-2014 | R21 AA 20564 (Budygin, PI)<br>Co-Investigator<br>Dopamine Release Patterns in Alcohol-Drinking Behaviors: An Optogenetic Study      |
| 2008-2012 | PO1, NIH AA 17056<br>Director<br>Project 3, Co-PI, Translational Center for the Neurobehavioral Study of Alcohol                    |
| 2007-2011 | R01, NIH AA 15568 (Friedman, PI)<br>Co-Investigator, Early Stress and Alcoholism: Functional Analysis in Brain                      |
| 2007-2011 | NIH AG 11370 (Brunso-Beckold, PI)<br>Co-Investigator, Regulation of Neural Connectivity in the Aging Brain                          |

2007-2009	R21, NIH AA 16643 Principal Investigator, Synaptic Correlates of Ethanol-Related Behaviors
2003-2009	RO1, NIH AA 13960 Principal Investigator, Ethanol and Presynaptic GABA <sub>B</sub> Receptors
2004-2007	P20, NIH AA 11997 (Friedman, PI) Principal Investigator, Project 2, Center for the Neurobehavioral Study of Alcohol
2001-2005	R01, NIH DA 07625 (Deadwyler, PI) Co-Investigator, Electrophysiological Assessment of Cannabinoid Receptors
2000 – 2003	US Army, DAMD17-00-1-0579 Co-Investigator, Effects of Chronic Alcohol Exposure on Kainate Receptor-Mediated Neurotransmission in the Hippocampus
2000-2002	ABMRF, Principal Investigator, Ethanol Inhibition of Presynaptic Kainate Receptors
1999-2001	Pilot Project, NIH AA11997, Center for the Neurobehavioral Study of Alcoholism Principal Investigator, Ethanol Modulation of Kainate Receptor-Gated Synaptic Transmission in the Rat Nucleus Accumbens
1998-2003	R01, NIH AA 11225 Principal Investigator, Ethanol and Synaptic GABA <sub>A</sub> Receptors

## BIBLIOGRAPHY:

### Peer Reviewed Electronic Publications:

1. Khanna JM, Kalant H, Shah G and **Weiner JL**. Rapid tolerance as an index of chronic tolerance. *Pharmacology, Biochemistry and Behavior*, **38**: 427-432, 1991.
2. Khanna JM, Wu PH, **Weiner JL** and Kalant H. NMDA antagonist inhibits rapid tolerance to ethanol. *Brain Research Bulletin*, **26**: 643-645, 1991.
3. Khanna JM, Kalant H, **Weiner JL** and Shah G. Rapid tolerance and cross-tolerance as predictors of chronic tolerance and cross-tolerance. *Pharmacology, Biochemistry, and Behavior*, **41**: 355-360, 1991.

4. Khanna JM, Mihic SJ, **Weiner JL**, Shah G, Wu PH and Kalant H. Differential inhibition by NMDA antagonists of rapid tolerance to, and cross-tolerance between, ethanol and chlordiazepoxide. *Brain Research*, **574**: 251-256, 1992.
5. Khanna JM, Kalant H, **Weiner JL**, Chau A and Shah G. Ketamine retards chronic but not acute tolerance to ethanol. *Pharmacology, Biochemistry, and Behavior*, **42**: 347-350, 1992.
6. Zhang L, **Weiner JL** and Carlen PL. Muscarinic potentiation of  $I_K$  in CA1 hippocampal neurons: electrophysiological characterization of the signal transduction pathway. *Journal of Neuroscience*, **12**: 4510-4520, 1992.
7. Carlen PL, **Weiner JL**, Zhang L, Valiante TA and Jahromi SS. Effects of ethanol on ionic currents in central mammalian neurons. *Journal of the Alcohol and Beverage Medical Research Foundation*, **3**: 43-45, 1993.
8. Khanna JM, Shah G, **Weiner JL**, Wu PH and Kalant H. Effect of NMDA antagonists on rapid tolerance to ethanol. *European Journal of Pharmacology*, **230**: 23-31, 1993.
9. Carlen PL, Jahromi SS, Valiante TA, Velumian AA, **Weiner JL**, and Zhang L. The role of calcium homeostasis and calcium currents in ethanol actions on central mammalian neurons. *Alcohol & Alcoholism. Supplement*, **2**: 395-401, 1993.
10. Zhang L, **Weiner JL** and Carlen PL. Potentiation of GABA<sub>A</sub>-mediated IPSCs by diazepam and pentobarbital in immature hippocampal CA1 neurons. *Journal of Pharmacology and Experimental Therapeutics*, **266**: 1227-1235, 1993.
11. Zhang L, **Weiner JL**, Valiante TA, Velumian A, Watson P, Jahromi SS, Schertzer S, Pennefather P and Carlen PL. Effects of internally applied anions on the Ca<sup>2+</sup>-activated afterhyperpolarization in rat hippocampal neurons. *Pflugers Archives*, **426**: 247-253, 1994.
12. **Weiner JL**, Zhang, L and Carlen PL. Ethanol modulation of GABA<sub>A</sub>-mediated synaptic current in hippocampal CA1 neurons: possible role of protein kinase C. *Journal of Pharmacology and Experimental Therapeutics*, **268**: 1388-1395, 1994.
13. **Weiner JL**, Zhang L and Carlen PL. Guanosine phosphate analogs modulate ethanol potentiation of GABA<sub>A</sub>-mediated synaptic currents in hippocampal CA1 neurons. *Brain Research*, **665**: 307-310, 1994.
14. Valenzuela CF, Kazlauskas A, Brozowski SJ, **Weiner JL**, Demali KA, McDonald, BJ, Moss SJ, Dunwiddie TV and Harris RA. Platelet-derived growth factor is a novel modulator of type A  $\gamma$ -aminobutyric acid-gated ion channels. *Molecular Pharmacology*, **48**: 1099-1107, 1995.
15. Valenzuela, CF, Xiong Z, MacDonald JF, **Weiner JL**, Frazier CJ, Dunwiddie TV, Kazlauskas A, Whiting PJ and Harris RA. Platelet-derived growth factor induces a long-term inhibition of N-methyl-D-aspartate receptor function. *Journal of Biological Chemistry*, **271**: 16151-16159, 1996.



16. **Weiner JL**, Gu C and Dunwiddie TV. Differential ethanol sensitivity of subpopulations of GABA<sub>A</sub> synapses onto rat CA1 pyramidal neurons. *Journal of Neurophysiology*, **77**: 1306-1312, 1997.
17. **Weiner JL**, Valenzuela CF, Watson PL., Frazier CJ and Dunwiddie TV. Elevation of basal PKC activity increases ethanol sensitivity of GABA<sub>A</sub> receptors in rat hippocampal CA1 neurons. *Journal of Neurochemistry*, **68**: 1949-1959, 1997.
18. Valenzuela CF, Kazlauskas A, and **Weiner JL**. Effects of platelet-derived growth factor on CNS function. *Brain Research Reviews*, **24**: 77-89, 1997.
19. Watson PL, **Weiner JL** and Carlen PL. Effects of variations in hippocampal slice preparation protocol on the electrophysiological stability, epileptogenicity and graded hypoxia responses of CA1 neurons. *Brain Research*, **775 (1-2)**: 134-143, 1997.
20. **Weiner JL**, Buhler AV, Whatley VJ, Harris RA, and Dunwiddie TV. Colchicine is a competitive antagonist at human recombinant GABA<sub>A</sub> receptors, *Journal of Pharmacology and Experimental Therapeutics*, **284**: 95-102, 1998.
21. Valenzuela CF, Cardoso RA, Wick MJ, **Weiner JL**, Dunwiddie TV and Harris RA. Effects of ethanol on recombinant glycine receptors expressed in mammalian cell lines. *Alcoholism: Clinical and Experimental Research*, **22(5)**:1132-1136, 1998.
22. Frazier C.J, Buhler AV, **Weiner JL** and Dunwiddie TV. Synaptically evoked responses in hippocampal interneurons mediated via  $\alpha$ -bungarotoxin sensitive nicotinic receptors. *Journal of Neuroscience*, **18(20)**: 8228-8235, 1998.
23. **Weiner JL**, Dunwiddie TV and Valenzuela CF. Ethanol inhibition of synaptic kainate receptor function in rat hippocampal CA3 pyramidal neurons. *Molecular Pharmacology*, **56(1)**: 85-90, 1999.
24. Beckstead MJ, **Weiner JL**, Eger EI, Gong DH, and Mihic SJ. Glycine and  $\gamma$ -aminobutyric acid<sub>A</sub> receptor function is enhanced by inhaled drugs of abuse. *Molecular Pharmacology*, **57(6)**: 1199-1205, 2000.
25. Crowder TL and **Weiner JL**. Functional characterization of kainate receptors in the rat nucleus accumbens core region, *Journal of Neurophysiology*, **88(1)**: 41-48, 2002.
26. Ariwodola OJ, Crowder TL and **Weiner JL**. Ethanol reduces kainate receptor-mediated depression of GABAergic synaptic transmission in rat hippocampal CA1 pyramidal neurons, *Journal of Pharmacology and Experimental Therapeutics*, **303**: 937-944, 2002.
27. Hampson RE, Zhuang SY, **Weiner JL**, Deadwyler SA. Functional significance of cannabinoid-mediated, depolarization induced suppression of inhibition (DSI) in the hippocampus, *Journal of Neurophysiology*, **90**: 55-64, 2003.

28. Carta M, Ariwodola OJ, **Weiner JL** and Valenzuela CF. Alcohol potently inhibits the kainate receptor-dependent excitatory drive of hippocampal interneurons, *Proceedings of the National Academy of Sciences*, **100**: 6813-6818, 2003.
29. Ariwodola, OJ, Crowder TL, Grant KA, Daunais JB, Friedman DP and **Weiner JL**. Ethanol modulation of excitatory and inhibitory synaptic transmission in rat and monkey dentate granule neurons, *Alcoholism: Clinical and Experimental Research*, **27**: 1632-1639, 2003.
30. Ariwodola OJ and **Weiner JL**. Ethanol potentiation of GABAergic synaptic transmission may be self-limiting: role of presynaptic GABA<sub>B</sub> receptors. *Journal of Neuroscience*, **24**: 10679-10686, 2004.
31. Ramsey MM, **Weiner JL**, Moore TP, Carter CS and Sonntag WE. Growth hormone treatment attenuates age-related changes in hippocampal short-term plasticity and spatial learning. *Neuroscience*, **129**: 119-127, 2004.
32. Ramsey MM, Ariwodola OJ, Sonntag WE and **Weiner JL**. Functional characterization of DES-IGF-1 action at excitatory synapses in the CA1 region of rat hippocampus, *Journal of Neurophysiology*, **94**: 247-254, 2005.
33. **Weiner JL** and Valenzuela CF. Ethanol modulation of GABAergic inhibition: The view from the slice, *Pharmacology and Therapeutics*, **111**: 533-554, 2006.
34. Roberto M, Treistman SN, Pietrykowski AZ, **Weiner JL**, Galindo MM, Valenzuela CF, Zhu P, Lovinger D, Zhang TA, Hendricson AH, Morrisett R and Siggins GR. Actions of acute and chronic ethanol on presynaptic terminals, *Alcoholism: Clinical and Experimental Therapeutics*, **30**: 222-232, 2006.
35. Crowder TL, Ariwodola OJ and **Weiner JL**. Kainate receptor activation potentiates GABAergic synaptic transmission in the nucleus accumbens core, *Brain Research*, **1088**: 73-82, 2006.
36. Dubois DW, Perlegas A, Floyd DW, **Weiner JL** and McCool BA. Distinct functional characteristics of the lateral/basolateral amygdala GABAergic system in C57Bl/6J and DBA/2J mice. *Journal of Pharmacology and Experimental Therapeutics*, **318**: 629-640, 2006.
37. Werner DF, Blednov YA, Ariwodola OJ, Silberman Y, Logan E, Berry RB, Borghese C, Matthews DB, **Weiner JL**, Harrison NL, Harris RA, Homanics GE. Knock-in mice with ethanol-insensitive alpha1-containing GABA<sub>A</sub> receptors display selective alterations in behavioral responses to ethanol. *Journal of Pharmacology and Experimental Therapeutics*, **319**: 219-227, 2006.
38. Silberman Y and **Weiner JL**. Distinct mechanisms of ethanol potentiation of local and paracapsular GABAergic synapses in the rat basolateral amygdala, *Journal of Pharmacology and Experimental Therapeutics*, **324**: 251-260, 2008.
39. Lack AK, Ariwodola OJ, Chappell AM, **Weiner JL**, McCool BA. Ethanol inhibition of kainate receptor-mediated excitatory neurotransmission in the rat basolateral nucleus of the amygdala. *Neuropharmacology*, **55**: 661-668. 2008.

40. Chappell AM and **Weiner JL**. Relationship between the acute locomotor effects of ethanol and ethanol self-administration. *Alcoholism: Clinical and Experimental Research*, **32**: 2088-2099, 2008.
41. Silberman Y, Ariwodola OJ and **Weiner JL**. Differential effects of GABA<sub>B</sub> autoreceptor activation on ethanol potentiation of local and lateral paracapsular GABAergic synapses in the rat basolateral amygdala, *Neuropharmacology*, **56**: 886-895, 2009.
42. Silberman Y, Bajo M, Chappell AM, Christian DT, Cruz M, Diaz MR, Kash TL, Lack AK, Messing RO, Siggins GR, Winder DG, Roberto M, McCool BA, **Weiner JL**. Neurobiological mechanisms contributing to alcohol-stress-anxiety interactions, *Alcohol*, **43**: 509-519, 2009.
43. Silberman Y, Ariwodola OJ, Chappell AM, Yorgason JT, and **Weiner JL**. Lateral paracapsular cells in the basolateral amygdala contribute to the anxiolytic effects of  $\beta$ 3 adrenoceptor activation, *Neuropsychopharmacology*, **35**: 1886-896, 2010.
44. Molina DP, Ariwodola OJ, Linville C, Sonntag WE, **Weiner JL**, Brunso-Bechtold, PhD. Growth hormone modulates hippocampal excitatory synaptic transmission and plasticity in old rats. *Neurobiology of Aging*, **33**: 1938-49, 2012.
45. Silberman Y, Ariwodola OJ, and **Weiner JL**.  $\beta$ 1-Adrenergic receptor activation is required for ethanol enhancement of lateral paracapsular GABAergic synapses in the rat basolateral amygdala, *Journal of Pharmacology and Experimental Therapeutics*, **343**: 451-459, 2012.
46. Chappell AM, Carter E, McCool BA, **Weiner JL**. Adolescent rearing conditions influence the relationship between initial anxiety-like behavior and ethanol drinking in male Long Evans rats. *Alcoholism: Clinical and Experimental Research*, **37S1**: E394-403, 2013.
47. Abrahao KP, Ariwodola OJ, Butler TR, Rau AR, Skelly MJ, Carter E, Alexander NP, McCool BA, Souza-Formigoni MLO, **Weiner JL**. Locomotor sensitization to ethanol impairs NMDA receptor-dependent synaptic plasticity in the nucleus accumbens and increases ethanol self-administration. *Journal of Neuroscience*, **33**: 4834-4842, 2013.
48. Molina DP, Ariwodola OJ, Linville C, Sonntag WE, **Weiner JL**, Brunso-Bechtold JK, Adams MM. Growth hormone and insulin-like growth factor-1 alter hippocampal excitatory synaptic transmission in young and old rats. *Age*, **35**: 1575-1587, 2013
49. Yorgason JT, Espana RA, Konstantopoulos JK, **Weiner JL**, Jones SR. Enduring increases in anxiety-like behavior and rapid nucleus accumbens dopamine signaling in socially isolated rats. *European Journal of Neuroscience*, **37**: 1022-1031, 2013.
50. Bass CE, Grinevich VP, Gioia D, Day-Brown J, Bonin KD, Stuber GD, **Weiner JL**, Budygin EA. Optogenetic stimulation of VTA dopamine neurons reveals that

- tonic but not phasic patterns of dopamine transmission reduce ethanol self-administration. *Frontiers in Behavioral Neuroscience*, 7:173, 2013.
51. Rau AR, Ariwodola OJ, **Weiner JL**. Presynaptic Adenosine A1 Receptors Modulate Excitatory Synaptic Transmission in the Rat Basolateral Amygdala. *Neuropharmacology*, **77**: 465-474, 2014.
  52. Butler TR, Chappell AM, **Weiner JL**. Activation of  $\beta$ 3 Adrenoceptors in the Basolateral Amygdala Reduces Ethanol Seeking Behaviors in Male Long-Evans Rats. *Psychopharmacology*, **231**: 293-303, 2014.
  53. Butler TR, Ariwodola OJ, **Weiner JL**. The impact of social isolation on HPA axis function, anxiety-like behaviors, and ethanol drinking. *Frontiers in Integrative Neuroscience*, **7**: 102, 2014.
  54. Skelly MJ, **Weiner JL**. Chronic treatment with prazosin or duloxetine lessens anxiety-like behavior and alcohol intake: Evidence of disrupted noradrenergic signaling in anxiety-related drinking. *Brain and Behavior*, **4**: 468-483, 2014.
  55. Butler TR, Carter E, **Weiner JL**. Adolescent social isolation does not lead to persistent increases in anxiety-like behavior or ethanol intake in female Long-Evans rats, *Alcoholism: Clinical and Experimental Research*, **38**: 2199-2207, 2014.
  56. Gill KE, Chappell AM, Beveridge TJ, Porrino LJ, **Weiner JL**. Chronic methylphenidate treatment during early life is associated with greater ethanol intake in socially isolated rats, *Alcoholism: Clinical and Experimental Research*, **38**: 2260-2268, 2014.
  57. Karkhanis AN, Locke JL, McCool BA, **Weiner JL**, Jones SR. Social isolation rearing increases nucleus accumbens dopamine and norepinephrine responses to acute ethanol in adulthood. *Alcoholism: Clinical and Experimental Research*, **38**: 2770-2779, 2014.
  58. Rau, AR, Ariwodola OJ, **Weiner JL**. Postsynaptic Adenosine A<sub>2A</sub> Receptors Modulate Intrinsic Excitability of Pyramidal Cells in the Rat Basolateral Amygdala. *International Journal of Neuropsychopharmacology*, **18(6)**: 1-15, pii:pyv017, 2015.
  59. Karkhanis AN, Anderson N, McCool BA, **Weiner JL**, Jones SR. Chronic early-life stress augments catecholamine response to acute ethanol in the basolateral amygdala. *Synapse*, **69**: 385-395, 2015.
  60. Helms CM, Bell RL, Bennett AJ, Davies DL, Chester JA, Kosten TA, Leeman RF, Panicker S, Platt DM, **Weiner JL**, Edwards, S. The importance of animals in advancing research on alcohol use disorders. *Alcoholism: Clinical and Experimental Research*, **39**: 575-578, 2015.
  61. Skelly MJ, Chappell AM, Carter E, **Weiner JL**. Adolescent social increases anxiety-like behavior and ethanol intake and impairs fear extinction in adulthood: Possible role of disrupted noradrenergic signaling. *Neuropharmacology*, **97**: 149-159, 2015.

62. Rau A, Chappell AM, Butler TR, Ariwodola OJ, **Weiner JL**. Increased BLA pyramidal cell excitability may contribute to the addiction vulnerable phenotype induced by early life stress. *Journal of Neuroscience*, **35**: 9730-9740, 2015.
63. Adamah-Biassi EB, Almonte AG, Blagoveshchensky ED, Grinevich VP, **Weiner JL**, Bonin KD, Budygin EA. Real Time Adenosine Fluctuations Detected with Fast-Scan Cyclic Voltammetry in the Rat Striatum and Motor Cortex. *Journal of Neuroscience Methods*, **256**: 56-62, 2015.
64. Skelly, MJ, Chappell AM, Ariwodola OJ, **Weiner JL**. Behavioral and neurophysiological evidence that lateral paracapsular GABAergic synapses in the basolateral amygdala contribute to the acquisition and extinction of fear learning. *Learning and Memory*, **127**: 10-16, 2016.
65. Yorgason JT, Calipari ES, Ferris MJ, Karkhanis AN, Fordahl, SC, **Weiner JL**, Jones SR. Social isolation rearing increases dopamine uptake and psychostimulant potency in the striatum. *Neuropharmacology*, **101**: 471-479, 2016.
66. Butler, TR, Karkhanis AN, Jones SR, **Weiner JL**. Adolescent social isolation as a model of heightened vulnerability to comorbid alcoholism and anxiety disorders. *Alcoholism: Clinical and Experimental Therapeutics*, **40**: 1202-14, 2016.
67. Karkhanis AN, Rose JH, **Weiner JL**, Jones SR. Early-life social isolation stress increases kappa opioid receptor responsiveness and downregulates dopamine in the nucleus accumbens. *Neuropsychopharmacology*, **41**: 2263-2274, 2016.
68. Mikhailova MA, Bass CE, Grinevich VP, Chappell AM, Deal AL, Bonin KD, **Weiner JL**, Gainetdinov RR, Budygin EA. Optogenetically-induced tonic dopamine release from VTA-nucleus accumbens projections inhibits reward consummatory behaviors. *Neuroscience*, **333**: 54-64, 2016.
69. Skelly MJ, Ariwodola OJ, **Weiner JL**. Fear conditioning selectively disrupts noradrenergic facilitation of inhibitory signaling in the basolateral amygdala. *Neuropharmacology*, **113**: 231-240, 2017.
70. Gilpin N, **Weiner JL**. Neurobiology of co-morbid Traumatic Stress Disorder and Alcohol Use Disorder. *Genes, Brain and Behavior*, **16**: 15-43, 2017.
71. Almonte AG, Ewin SE, Mauterer MI, Morgan JW, Carter ES, **Weiner JL**. Enhanced synaptic transmission and impaired hippocampal synaptic plasticity in a rodent model of alcohol addiction vulnerability. *Scientific Reports*, **7**: 12300, 2017.

#### Chapters in Books:

1. **Weiner JL**. Electrophysiological assessment of synaptic transmission in brain slices. In: *Methods in Alcohol Related Neuroscience Research*. Y. Liu & D.M. Lovinger, Eds., pp 191-218, 2002.

2. Skarpaas TL and **Weiner JL**. Ethanol modulation of kainate receptor function in the rat nucleus accumbens core region. In: *The Nucleus Accumbens: neurotransmitters and related behaviors*. H. David, Ed., pp 243-267, 2008.
3. Butler TR and **Weiner JL**. Social isolation and ethanol drinking: a preclinical model of addiction vulnerability in males, but not females. In: *Neuropathology of Drug Addictions and Substance Misuse, Volume 1*. V.R. Preedy, Ed., Chap. 59, pp 1-10, 2016.

**Abstracts:**

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2. **Weiner JL**, Zhang L and Carlen PL. Does ethanol potentiate GABAergic responses in rat hippocampal neurons? *Annual Meeting of the Society for Neuroscience*, New Orleans, 1991.
3. Khanna JM, **Weiner JL**, Wu PH and Kalant H. Effect of (+) MK-801 and ketamine on rapid tolerance, cross-tolerance, and chronic tolerance. *Annual Meeting of the Society for Neuroscience*, New Orleans, 1991.
4. Zhang L, **Weiner JL**, Velumian AA and Carlen PL. Does intracellular Ca<sup>2+</sup> play a role in diazepam- or ethanol-induced potentiation of GABA<sub>A</sub> currents in hippocampal neurons? *Annual Meeting of the Society for Neuroscience*, Anaheim, 1992.
5. **Weiner JL**, Zhang L and Carlen PL. Novel ethanol enhancement of the delayed rectifier potassium current in rat hippocampal CA1 neurons. *Annual Meeting of the Society for Neuroscience*, Anaheim, 1992.
6. Watson PL, Zhang L, **Weiner JL**, Valiante TA, Velumian AA, Jahromi S, Schertzer S, Pennefather P and Carlen PL. Whole-cell recording of the slow, calcium-dependent I<sub>AHP</sub> in rat hippocampal CA1 neurons. *Annual Meeting of the Society for Neuroscience*, Washington, 1993.
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8. **Weiner JL**, Zhang L and Carlen PL. Muscarinic receptor activation enhances ethanol potentiation of synaptic GABA<sub>A</sub> current in rat hippocampal CA1 neurons. *Annual Meeting of the Society for Neuroscience*, Miami Beach, 1994.
9. Whately VJ, Brozowski SJ, **Weiner JL**, Dunwiddie TV, Whiting PJ and Harris RA. A possible role for GABA<sub>A</sub> receptor clustering in ethanol enhancement of GABA<sub>A</sub> receptor function. *Research Society on Alcoholism Annual Meeting*, Steamboat Springs, 1995.
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  15. **Weiner JL**, Brozowski SJ, Harris RA and Dunwiddie TV. Whole cell patch clamp analysis of ethanol actions on human recombinant GABA<sub>A</sub> receptors. *Research Society on Alcoholism Annual Meeting*, San Francisco, 1997.
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  20. **Weiner JL**, Dunwiddie TV and Valenzuela CF. Ethanol inhibition of synaptic kainate receptor function in rat hippocampal CA3 pyramidal neurons. *Annual Meeting of the Society for Neuroscience*, Los Angeles, 1998.
  21. Ariwodola OJ and **Weiner JL**. Ethanol reduces kainate receptor-mediated inhibition of GABA<sub>A</sub> IPSCs in rat hippocampal CA1 pyramidal neurons. *Research Society on Alcoholism Annual Meeting*, Santa Barbara, 1999.

22. **Weiner JL**, Crowder T and Ariwodola OJ. Differential effects of ethanol on kainate receptor-mediated inhibition of GABAergic and glutamatergic synaptic transmission. *Winter Conference on Brain Research*, Breckenridge, 2000.
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25. TL Crowder and **Weiner JL**. The physiological role and ethanol sensitivity of kainate receptors in the rat nucleus accumbens. *Annual Meeting of the Society for Neuroscience*, New Orleans, 2000.
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43. Silberman Y, Ariwodola OJ, Bryant V, Daunais JB, Friedman DP and **Weiner JL**. Functional characterization of presynaptic 5HT1A receptors in monkey dentate gyrus. *Annual Meeting of the Society for Neuroscience*, Orlando, 2004.
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46. Silberman Y, Ariwodola OJ, Rawley M and **Weiner JL**. Intracellular chloride may influence ethanol potentiation of GABAergic synapses in the rat hippocampus. *Research Society on Alcoholism Annual Meeting, Santa Barbara, 2005*
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49. Chappell AM and **Weiner JL**. Relationship between initial sensitivity to the acute locomotor effects of ethanol and ethanol self-administration. *Research Society on Alcoholism Annual Meeting, Baltimore, 2006.*
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51. Silberman Y and **Weiner JL**. Ethanol potentiation of GABAergic synaptic transmission in the basolateral amygdala: a role for norepinephrine? *Research Society on Alcoholism Annual Meeting, Baltimore, 2006.*
52. Silberman Y and **Weiner JL**. Ethanol potentiates paracapsular and local GABAergic transmission onto basolateral amygdala projection neurons via distinct mechanisms. *Neurobiology of Addictions Meeting, Santa Fe, 2007.*
53. Ariwodola OJ, Jones KM, Chappell AM, Werner DF, Homanics GE, **Weiner JL**. Paradoxical increases in behavioral and synaptic sensitivity to ethanol in knockin mice with ethanol-insensitive alpha1 GABA receptors. *Research Society on Alcoholism Annual Meeting, Chicago, 2007.*
54. Jones KM, Chappell AM, **Weiner JL**. A comparison of umami (MSG) vs. sweet (sucrose) fading in the initiation of operant ethanol self-administration. *Research Society on Alcoholism Annual Meeting, Chicago, 2007.*
55. Silberman Y and **Weiner JL**. Differential mechanisms of ethanol potentiation of feed-forward and feed-back GABAergic inhibition in the rat basolateral amygdala. *Research Society on Alcoholism Annual Meeting, Chicago, 2007.*
56. Christian DT, Chappell AM, **Weiner JL**. Effect of baclofen on the acquisition of operant ethanol self-administration. *Annual Meeting of the Society for Neuroscience, San Diego, 2007.*

57. Silberman Y, **Weiner JL**. Ethanol potentiation of lateral paracapsular cell-mediated GABAergic synaptic transmission in the rat basolateral amygdala: role of noradrenergic receptor activation. *Annual Meeting of the Society for Neuroscience*, San Diego, 2007.
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59. Silberman Y and **Weiner JL**. Distinct mechanisms underlying ethanol potentiation of two inhibitory pathways in the rat basolateral amygdala. *Alcoholism and Stress: A Framework for Future Treatment Strategies*, Volterra, Italy, 2008.
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61. Silberman Y and **Weiner JL**. Local and paracapsular GABAergic synapses in the rat basolateral amygdala display different GABA<sub>B</sub> autoreceptor properties. *Research Society on Alcoholism Annual Meeting*, Washington, 2008.
62. Chappell AM, Jones SR, **Weiner JL**. Effect of adolescent methylphenidate treatment on ethanol self-administration in male Long-Evans rats. *Research Society on Alcoholism Annual Meeting*, Washington, 2008.
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64. Silberman Y, Ariwodola OJ, Yorgason JT, Chappell AM, **Weiner J.L.** Basolateral amygdala paracapsular cells may contribute to the anti-anxiety effects of  $\beta$ 3-adrenoceptor agonists. *Gordon Conference (Amygdala in Health and Disease)*, Maine, July 2009.
65. Effect of oral adolescent methylphenidate treatment and withdrawal on ethanol drinking and locomotor response to psychostimulants Carter ES, Chappell AM, Jones SR, **Weiner JL**. *Research Society on Alcoholism Annual Meeting*, San Diego, 2009.
66. Silberman Y, Ariwodola OJ, Yorgason JT, Chappell AM, **Weiner JL**. Basolateral amygdala paracapsular cells may contribute to the anti-anxiety effects of  $\beta$ 3-adrenoceptor agonists: implications for ethanol actions. *Research Society on*

*Alcoholism Annual Meeting*, San Diego, 2009. **Silberman Y – 2009 Enoch Gordis Predoctoral Research Recognition Award**

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68. Chappell AM, **Weiner JL**. Relationship between intermittent and operant ethanol self-administration in male Long-Evans rats. *Research Society on Alcoholism Annual Meeting*, San Diego, 2009.
69. Silberman Y, Ariwodola OJ, **Weiner JL**. Analysis of Unitary IPSCs confirms distinct mechanisms of action at local and lateral paracapsular GABAergic synapses in the rat basolateral amygdala. *Research Society on Alcoholism Annual Meeting*, San Antonio, 2010.
70. Chappell AM, Carter E, **Weiner JL**. Effect of Juvenile Social Isolation on Anxiety-Like Behaviors and Intermittent Ethanol Self-Administration in Male Long-Evans Rats. *International Society for Biomedical Research on Alcoholism*, Paris, France, 2010.
71. **Weiner JL**, Carter E, Chappell AM. Standard single housing conditions may recapitulate the anxiogenic and ethanol drinking phenotype associated with juvenile social isolation in male Long Evans rats. *Annual Meeting of the Society for Neuroscience*, San Diego, 2010.
72. Carter E, Chappell AM, **Weiner JL**. Effect of housing conditions on anxiety-like behaviors and ethanol drinking in adolescent and adult Long-Evans rats. *Research Society on Alcoholism Annual Meeting*, Atlanta, 2011.
73. Abrahao KP, Souza-Formigoni MLO, **Weiner JL**. Decrease in accumbal NMDA receptor-mediated excitatory transmission is associated with high levels of behavioral sensitization to ethanol. *Research Society on Alcoholism Annual Meeting*, Atlanta, 2011.
74. Rau AR, Ariwodola OJ, **Weiner JL**. Effect of stimulation frequency on ethanol enhancement of hippocampal GABAergic synaptic inhibition. *Research Society on Alcoholism Annual Meeting*, Atlanta, 2011.
75. Yorgason, JT, **Weiner JL**, Jones SR. Social isolation rearing changes dopamine kinetics. *Research Society on Alcoholism Annual Meeting*, Atlanta, 2011.
76. Butler TR, Chappell AM, **Weiner JL**. Activation of beta3 adrenoceptors in the basolateral amygdala reduces ethanol drinking behaviors in male Long Evans rats. *Research Society on Alcoholism Annual Meeting*, San Francisco, 2012.
77. Rau, AR, Ariwodola OJ, Chappell AM, **Weiner JL**. Adenosine signaling modulates excitability in the amygdala and is altered in a rodent model of early life stress that increases ethanol drinking. *Research Society on Alcoholism Annual Meeting*, San Francisco, 2012.

78. Skelly MJ, Chappell AM, **Weiner JL**. Social isolation disrupts extinction of fear learning and enhances adrenoceptor antagonist-mediated inhibition of ethanol drinking in Long Evans rats. *Research Society on Alcoholism Annual Meeting, San Francisco, 2012.*
79. Rau AR, Ariwodola OJ, Chappell AM, Carter E, **Weiner JL**. Basolateral amygdala excitability is modulated by adenosinergic signaling and is altered in a rodent model of early life stress that engenders increases in anxiety-like behavior and ethanol consumption. *Annual Meeting of the Society for Neuroscience, New Orleans, 2012.*
80. Skelly MJ, Chappell AM, Ariwodola OJ, **Weiner JL**. Preliminary evidence that  $\beta 3$  adrenoceptors regulate fear conditioning by modulating GABAergic transmission in the basolateral amygdala. *Annual Meeting of the Society for Neuroscience, New Orleans, 2012.*
81. Karkhanis A, Locke J, **Weiner JL**, Jones SR. Effects of ethanol on nucleus accumbens monoamine levels in socially isolated and group housed rats. *Annual Meeting of the Society for Neuroscience, New Orleans, 2012.*
82. Gill KE, Chappell AM, **Weiner JL**, Porrino LJ. The effects of rearing condition and chronic methylphenidate treatment on anxiety-like behavior and ethanol consumption. *Annual Meeting of the Society for Neuroscience, New Orleans, 2012.*
83. Abrahao KP, Souza-Formigoni MLO, McCool BA, **Weiner JL**. Behavioral sensitization to ethanol has bidirectional effects on mGluR1/5 dependent long-term depression in the nucleus accumbens core and shell. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
84. Skelly MJ, Carter ES Ariwodola OJ, **Weiner JL**. Preliminary evidence that adolescent social isolation disrupts inhibitory signaling at lateral paracapsular synapses in the rat basolateral amygdala. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
85. Rau AR, Ariwodola OJ, Chappell AM, Carter E, **Weiner JL**. Adenosinergic signaling modulates basolateral amygdala glutamatergic synaptic transmission and reduces ethanol drinking. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
86. Grinevich VP, Bass CE, Chappell AM, Bonin KD, **Weiner JL**, Budygin EA. Preliminary evidence that optogenetic activation of VTA dopamine cells inhibits alcohol self-administration in male Long Evans rats. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
87. Butler TR, Carter E, **Weiner JL**. Developmental corticosterone levels and anxiety-like behavior in high and low drinking rats. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
88. Karkhanis AN, Konstantopoulos J, Locke J, **Weiner JL**, Jones SR. Social isolation rearing increases dopamine and norepinephrine responses to ethanol

- and K-opioid receptor activity in nucleus accumbens. *Research Society on Alcoholism Annual Meeting, Orlando, 2013.*
89. Rau AR, **Weiner JL**. Adenosinergic regulation of glutamatergic transmission in the basolateral amygdala. *Gordon Conference (Amygdala in Health and Disease)*, Easton, MA, 2013.
  90. Yorgason JT, Calipari ES, Ferris M, Alexander NJ, McCool BA, **Weiner JL**, Jones SR. Increases in rapid nucleus accumbens dopamine signaling, and cocaine and methylphenidate potency in social isolation reared rats. *Annual Meeting of the Society for Neuroscience*, San Diego, 2013.
  91. Riegle M, Carter E, **Weiner JL**, Godwin DW. Ethosuximide, a T-type calcium channel antagonist, as a potential treatment for alcohol dependence and withdrawal. *Annual Meeting of the Society for Neuroscience*, San Diego, 2013.
  92. Butler TR and **Weiner JL**. Social Isolation Engenders an Addiction-Like Phenotype in Male, but not Female, Long Evans Rats Relative to Group Housed Counterparts. *Gordon Conference (Alcohol and the Nervous System)*, Galvaston, 2014.
  93. Skelly MJ and **Weiner JL**. Chronic treatment with prazosin or duloxetine lessens concurrent anxiety-like behavior and alcohol intake: Evidence of disrupted noradrenergic signaling in anxiety-related alcohol use. *Gordon Conference (Alcohol and the Nervous System)*, Galvaston, 2014.
  94. Budygin EA, Grinevich VO, Carr A, Chappell AM, Bass CE, Bonin KD, **Weiner JL**. Optogenetic activation of VTA dopamine cells differentially modulates alcohol and sucrose drinking behaviors in male Long Evans rats. *Gordon Conference (Alcohol and the Nervous System)*, Galvaston, 2014.
  95. Rau AR, **Weiner JL**. Juvenile social isolation increases anxiety-like behavior, ethanol consumption, and modifies intrinsic excitability of BLA pyramidal neurons in male Long Evans rats. *Gordon Conference (Alcohol and the Nervous System)*, Galvaston, 2014.
  96. Skelly MJ, Ariwodola OJ, Chappell AM, **Weiner JL**. Activation of basolateral amygdala beta 3 adrenoceptors blocks fear conditioning, extinction learning, and the induction of synaptic plasticity. *Alcoholism and Stress: A Framework for Future Treatment Strategies*, Volterra, Italy, 2014.
  97. Carter E and **Weiner JL**. Adolescent social isolation increases sensitivity to ethanol's acute anxiolytic effects. *Research Society on Alcoholism Annual Meeting, Bellevue*, 2014.
  98. Butler TR, Chappell AM, Carter E, **Weiner JL**. Social isolation and ethanol self-administration: disparate behavioral phenotypes in male and female rats. *Research Society on Alcoholism Annual Meeting, Bellevue*, 2014.
  99. Karkhanis AN, McCool BA, **Weiner JL**, Jones SR. Social isolation stress augments dopamine and norepinephrine responses to ethanol in the nucleus

- accumbens and basolateral amygdala. *Research Society on Alcoholism Annual Meeting, Bellevue, 2014.*
100. Rau AR, Ariwodola OJ, Carter E, **Weiner JL**. Juvenile social isolation increases anxiety-like behavior, ethanol consumption, and modifies intrinsic excitability of BLA pyramidal neurons. *Research Society on Alcoholism Annual Meeting, Bellevue, 2014.*
101. Skelly MJ, Ariwodola OJ, Chappell AM, **Weiner JL**. Disrupted noradrenergic facilitation of amygdala GABAergic inhibition following fear conditioning: implications for comorbid alcoholism and PTSD. *Research Society on Alcoholism Annual Meeting, Bellevue, 2014.*
102. Budygin EA, Grinevich VP, Carr A, Chappell AM, Bass CE, Bonin KD, **Weiner JL**. Modulation of ethanol and sucrose drinking behaviors by optogenetic stimulation of the mesolimbic dopamine system. *Research Society on Alcoholism Annual Meeting, Bellevue, 2014.*
103. Skelly MJ, Butler TR, Carter E, Chappell AM, Ariwodola OJ, **Weiner JL**. Beta 3-adrenoceptors in the basolateral amygdala regulate fear learning and appetitive ethanol drinking behaviors. *Research Society on Alcoholism Annual Meeting, Bellevue, 2014.*
104. Masicampo ML, Riegle MA, Carter E, **Weiner JL**, Godwin DW. A role for T-type calcium channels in alcohol withdrawal-induced anxiety. *Annual Meeting of the Society for Neuroscience, Washington, 2014.*
105. Karkhanis, A. Rose J, McCool BA, **Weiner JL**, Jones SR. Social isolation stress affects dopamine signaling and the kappa opioid receptor system in the nucleus accumbens and the basolateral amygdala. *Annual Meeting of the Society for Neuroscience, Washington, 2014.*
106. Skelly, MJ, Ariwodola OJ, Chappell AM, **Weiner JL**. A novel role of BLA lateral paracapsular synapses in fear learning: implications for comorbid PTSD and alcohol use disorders. *Research Society on Alcoholism Annual Meeting, San Antonio, 2015.*
107. Fetzer JA, Ariwodola OJ, **Weiner JL**. Impact of early life stress on alcohol addiction vulnerability and the developmental trajectory of basolateral amygdala circuitry. *Research Society on Alcoholism Annual Meeting, San Antonio, 2015.*
108. Karkhanis AN, Rose JH, **Weiner JL**, Jones SR. Social isolation stress increases kappa-opioid receptor activity in the nucleus accumbens shell and core. *Research Society on Alcoholism Annual Meeting, San Antonio, 2015.*
109. Adamah-Biassi EB, Almonte AG, Bonin KD, **Weiner JL**, Budygin EA. Effect of ethanol on real-time adenosine dynamics in the rat striatum. *Research Society on Alcoholism Annual Meeting, San Antonio, 2015.*
110. Rau AR, Ariwodola OJ, Butler TR, McCool BA, **Weiner JL**. Increased excitability of BLA pyramidal cells may contribute to the phenotype associated with a rodent model of alcohol addiction vulnerability. *Research Society on Alcoholism Annual Meeting, San Antonio, 2015.*

*Meeting, San Antonio, 2015. **Rau AR – 2015 Enoch Gordis Predoctoral Research Recognition Award***

111. Budygin EA, Bass CE, Grinevich VP, Mikhailova MA, Chappell AM, Bonin KD, **Weiner JL**. Exploring ethanol drinking behaviors with optogenetics. *Gordon Research Conference: Alcohol and the Nervous System*, Galveston, 2016.
112. Almonte AG, Ewin SE, Ariwodola OJ, Carter ES, **Weiner JL**. Adolescent social isolation enhances excitatory synaptic activity in the hippocampus. *Gordon Research Conference: Alcohol and the Nervous System*, Galveston, 2016.
113. Ewin SE, Carter E, Rompala GR, Homanics GE, **Weiner JL**. Paternal preconception ethanol exposure enhances the effect of adolescent social isolation on ethanol drinking in female rats. *Research Society on Alcoholism Annual Meeting*, New Orleans, 2016.
114. Almonte AG, Ewin SE, Carter ES, **Weiner JL**. Adolescent social isolation enhances excitatory synaptic activity and reduces long-term potentiation in the rat hippocampus. *Research Society on Alcoholism Annual Meeting*, New Orleans, 2016.
115. Mikhailova MA, Deal AL, Bass CE, Bonin KD, **Weiner JL**, Hoener MC, Budygin EA. TAAR1 activation preferentially decreases phasic dopamine release and declines ethanol seeking behavior in rats. *Research Society on Alcoholism Annual Meeting*, New Orleans, 2016.

**INVITED ORAL PRESENTATIONS:**

- 1994 Research Society on Alcoholism Annual Meeting, Maui, HI.
- 1995 Research Society on Alcoholism Annual Meeting, Steamboat Springs, CO.
- 1995 Annual Winter Conference on Brain Research, Snowmass, CO.
- 1995 NIAAA Workshop on Alcohol, GABA, NMDA, and Glutamate, Washington, DC.
- 1997 Wake Forest University School of Medicine, Department of Physiology and Pharmacology, Winston-Salem, NC.
- 1997 University of Nebraska, Department of Pathology and Microbiology, Omaha, NB
- 1997 Research Society on Alcoholism Annual Meeting, San Francisco, CA.
- 1998 Annual Winter Conference on Brain Research, Snowbird, UT.
- 1998 Research Society on Alcoholism Annual Meeting, Hilton Head, SC.
- 1999 Annual Winter Conference on Brain Research, Snowmass, CO.
- 1999 American Society for Biochemistry and Molecular Biology Fall Symposium on Ethanol and Cell Signaling, Lake Tahoe, CA.
- 2000 Skipper Bowles Alcohol Research Center, Univ. North Carolina, Chapel Hill, NC.
- 2000 Wake Forest University, Department of Physics, Winston-Salem, NC.
- 2001 Annual Winter Conference on Brain Research, Steamboat Springs, CO.
- 2001 Wake Forest University, Department of Biology, Winston-Salem, NC.
- 2001 University of New Mexico, Department of Neuroscience, Albuquerque, NM.
- 2002 Ernest Gallo Research Center, UCSF, San Francisco, CA.
- 2002 University of Illinois at Chicago, Chicago, IL
- 2002 Young Investigator Plenary Lecture, Research Society on Alcoholism Annual Meeting, San Francisco.
- 2002 Wake Forest New Investigator Award Seminar
- 2003 Annual Winter Conference on Brain Research, Snowbird, CO.



- 2003 Spring Brain Meeting, Sedona, AZ.
- 2003 Research Society on Alcoholism Annual Meeting, Fort Lauderdale, FL.
- 2003 Medical College of South Carolina, Charleston, SC.
- 2004 FASEB Summer Research Conference, Tucson, AZ.
- 2004 International Society for Biomedical Research on Alcoholism Meeting, Mannheim, Germany.
- 2005 Research Society on Alcoholism Annual Meeting, Santa Barbara, CA.
- 2006 University of Tennessee, Memphis, TN.
- 2006 National Institute on Drug Abuse Intramural Program, Bethesda, MD
- 2007 Skipper Bowles Alcohol Research Center, University of North Carolina-Chapel Hill, NC
- 2007 Wake Forest Mid-Career Investigator Award Seminar
- 2008 Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy.
- 2008 Research Society on Alcoholism Educational Lecture Series, Washington, DC.
- 2008 Research Society on Alcoholism Annual Meeting, Washington, DC.
- 2010 Research Society on Alcoholism Annual Meeting, San Antonio, TX.
- 2011 Tom Dunwiddie Memorial Symposium, Denver, CO
- 2011 Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy
- 2011 Research Society on Alcoholism Annual Meeting, Atlanta, GA.
- 2011 Wake Forest University, Neuroscience Graduate Program Seminar Series
- 2012 Workshop on Brain Electrophysiology, University of Sao Paulo, Brazil
- 2012 Plenary Lecture, Federation of the Societies for Experimental Biology Annual Meeting, Brazil.
- 2012 International Society for Biomedical Research on Alcoholism Meeting, Sapporo, Japan.
- 2013 NIAAA Center Directors' Meeting, New Haven, CT.
- 2013 Research Society on Alcoholism Annual Meeting, Orlando, FL.
- 2013 Texas Tech University Health Sciences Center, Lubbock, TX
- 2013 SUNY Binghamton, Binghamton, NY
- 2014 Skipper Bowles Alcohol Research Center, University of North Carolina-Chapel Hill, NC
- 2014 Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy
- 2014 Research Society on Alcoholism Annual Meeting, Bellevue, WA
- 2015 Wake Forest Pain Research Group, Winston-Salem, NC
- 2015 European Society for Biomedical Research on Alcoholism Meeting, Valencia, Spain
- 2015 RTI International, Raleigh, NC
- 2015 Medical College of South Carolina, Charleston, SC.
- 2016 Gordon Research Conference on Alcohol and the Nervous System, Galveston, TX
- 2016 Research Society on Alcoholism Annual Meeting, New Orleans, LA.
- 2016 International Society for Biomedical Research on Alcoholism Meeting, Berlin, Germany.
- 2017 Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy
- 2017 Research Society on Alcoholism Annual Meeting, Denver, CO
- 2017 UNC Chapel Hill, NC
- 2017 Frontiers in Addiction Research, NIDA-NIAAA Mini-Convention, Society for Neuroscience, Washington, DC.