

CURRICULUM VITAE

NICHOLAS WARREN GILPIN

EDUCATION

Purdue University	Ph.D.	Psychology	2005
Dissertation Title: Ethanol Abstinence-Related Behaviors and the Effects of Neuropeptide Y on These Behaviors in Animals Genetically and Environmentally Susceptible to Ethanol Dependence			
Dissertation Advisor: James M. Murphy			
Purdue University	M.S.	Psychology	2003
Thesis Title: Neuropeptide Y Reduces Oral Ethanol Intake In Alcohol-Preferring (P) Rats Following A Period Of Imposed Ethanol Abstinence			
Thesis Advisor: James M. Murphy			
University of Texas	B.A.	Psychology	2000
Westfield High School, Houston, TX			1996
Graduated Magna Cum Laude			

POST-DOCTORAL TRAINING

The Scripps Research Institute	2005-2011
Committee on the Neurobiology of Addictive Disorders	
Mentors: George F. Koob & Marisa Roberto	

FUNDING

ACTIVE

1K99AA018400-01	05/2010-06/2014
K99/R00 Pathway to Independence (PI) Award, Post-traumatic Stress Disorder and Alcohol Dependence, Principal Investigator: Nicholas W. Gilpin, National Institute of Alcoholism and Alcohol Abuse. \$90,000 total cost (annual) for 2 years of K99 award and \$250,000 total cost (Annual) for 3 years of R00 award.	
PFund Pilot Funding for New Research	01/2013-12/2013
Using Optogenetic Stimulation to Measure Reward Function in Drug- and Alcohol-Dependent Rats, Principal Investigator: Nicholas W. Gilpin, Louisiana Board of Regents, \$10,000 total cost (annual).	

COMPLETED

1 F32 AA016436-01A1	05/2007-09/2009
Ruth L. Kirschstein National Research Service Awards (NRSA) Postdoctoral Fellowship, Neuropeptide Y and Ethanol Abstinence, Principal Investigator: Nicholas W. Gilpin, National Institute of Alcoholism and Alcohol Abuse. \$46,826 (Annual).	
Supplement for Underrepresented Minorities to R01 AA12857	08/2001-04/2006
Neuropeptide Y and Alcohol Related Behaviors, Principal Investigator: Nancy E. Badia-Elder, National Institute of Alcoholism and Alcohol Abuse. \$190,300 (Total).	

TEACHING

GRADUATE

COURSE DIRECTOR

LSU Health Sciences Center, New Orleans, LA 2013-
Course: Biostatistics for Graduate Students (PHYSIO 289)

UNDERGRADUATE

COURSE DIRECTOR

Univ. of California-San Diego, CA 2010
Course: Physiological Psychology (PSYC 106)

Univ. of California-San Diego, CA 2009-2011
Course: Introduction to Statistics (PSYC 60)

San Diego State University, San Diego, CA 2008
Course: Statistical Methods in Psychology (PSY 270)

COURSE CO-DIRECTOR

LSU Health Sciences Center, New Orleans, LA 2013-
Course: Human Physiology (DENT 1115)

CO-INSTRUCTOR

LSU Health Sciences Center, New Orleans, LA 2012-
Course: Human Pathophysiology (HS 3410)

Course: General & Oral Physiology (DHY 3202) 2012

Course: Human Physiology (HS 2410) 2011-

Course: Human Physiology (DENT 1115) 2011-

SERVICE & COMMITTEES

GRANT REVIEW

NIAAA Study Section ZAA1 DD (04) Special Emphasis Panel (ad hoc) 2012

NIAAA Study Section AA-4 Neuroscience Review Subcommittee (ad hoc) 2012

INSTITUTIONAL

LSU Health Sciences Center:

Alcohol & Drug Abuse Center of Excellence, Steering Member 2012-

Research Development Work-In-Progress, Physiology, Chair 2012-

Post-Doctoral Development Committee, Physiology, Co-Chair 2012-

Faculty Search Committee, Physiology, Member 2011-

Judge for Graduate Student Research Day 2011-

UCSD Psychology Department:

Excellence Review Committee for Dr. Fred Rose 2010

SOCIETIES

Research Society on Alcoholism (RSA)

Program Committee for RSA Meeting, Member 2013

National Hispanic Science Network (NHSN)

Planning Committee for NHSN Meeting, Member 2013

Planning Committee for NHSN Meeting, Co-Chair 2012

Early Career Leadership Committee Core Group, Member 2012-

SOCIETY MEMBERSHIPS

The College on Problems of Drug Dependence	2013-
Int'l. Drug Abuse Research Society	2013-
Int'l. Society for Biomedical Research on Alcoholism	2010-
National Hispanic Science Network on Drug Abuse	2010-
Society for Neuroscience	2004-
International Behavioral Neuroscience Society	2004-
Research Society on Alcoholism	2001-

HONORS & AWARDS

Honorable Mention for Ziskind-Somerfeld Award, Society of Biological Psychiatry, 2012

American College of Neuropsychopharmacology (ACNP) Travel Award, 2012

National Award of Excellence in Research by a New Investigator, National Hispanic Science Network on Drug Abuse (NHSN), 2011

Young Investigator Award from meeting on Alcoholism & Stress: A Framework for Future Treatment Strategies, Volterra, Italy, 2011

NIAAA Travel Award to attend meeting of International Society of Biomedical Research on Alcoholism (ISBRA), Paris, France, 2010

Research Society on Alcoholism (RSA) Junior Investigator Award, 2006-2010

Research Society on Alcoholism (RSA) Memorial Award, San Diego, CA, 2009

Finalist for Research Society on Alcoholism (RSA) Enoch Gordis Research Recognition Award, 2003 & 2006

Paul J. McKinley Award for outstanding student in Psychobiology of Addictions Ph.D. program at IUPUI Department of Psychology; awarded March 2006.

Research Society on Alcoholism (RSA) Student Merit Award, 2003, 2004, 2005

Texas Academic Hispanic Award (TAHA) 4-year tuition and housing scholarship at the University of Texas at Austin, 1996-2000

University of Texas at Austin Honors Colloquium Scholarship, 1996

EXTERNAL SERVICE WORK

AD HOC REVIEWER

Journal of Neuroscience, Biological Psychiatry, Addiction Biology, Psychopharmacology, Neuropsychopharmacology, Neuropharmacology, Progress in Neuropsychopharmacology & Biological Psychiatry, European Journal of Neuroscience, Alcoholism: Clinical & Experimental Research, Physiology & Behavior, Pharmacology Biochemistry & Behavior, Journal of Addiction Medicine, Peptides, Neuropeptides, Regulatory Peptides, Drug & Alcohol Dependence, International Journal of Developmental Neuroscience, Behavioural Pharmacology, Alcohol, Brain Research, BMC Neuroscience

MENTORING

POST-DOCTORAL TRAINEES

1. Annie Whitaker, Ph.D.	2012-
2. Emily Roltsch, Ph.D.	2012-

PhD GRADUATE TRAINEES (CHAIR of PhD COMMITTEE)

1. Brittni Baynes 2013-

PhD DISSERTATION COMMITTEE MEMBER

1. Xu "Sophie" Teng (Physiology) 2011-

PhD & MD STUDENT ROTATIONS (reverse chronological order)

1. Allyson Schreiber 2013
2. Jacques Mayeux 2013
3. Madelyn Weil (funded by NIAAA T35) 2012
4. Abdelrahim Abdel (funded by NIAAA T35) 2012
5. Joseph "Gavin" Daigle 2012

FUNDING FOR MENTEES (reverse chronological order)

1. Melissa Faucheux 2012 & 2013
American Physiological Society "Frontiers in Physiology" Award ~\$6000/yr
2. Casey Carmichael 2010-2011
UCSD Warren College Undergraduate Research Award \$1000

UNDERGRADUATE RESEARCH ASSISTANTS

LSUHSC rotations:

Abigail Olinde, Andrew Schroth

UCSD and SDSU undergraduates:

Ben Isakson, Lisa Zazworsky, Hillary Cormier, Lindsey Ong, Darshan Patel, Shin Trieu, Alfonzo Luna, Casey Carmichael, Michael Barrus, Juliana Todesco, Brent Costa, Tyler Sprague, Neha Jaiswal, Daniel Ramirez, Brittni Baynes, Eva Martinez

HIGH SCHOOL STUDENT RESEARCHERS

LSUHSC rotations:

Reuben Hogan

UNDERGRADUATE TEACHING ASSISTANTS

UCSD Undergraduate Instructional Apprenticeship (UGIA) program

Joanna Ho (Spring 2009) in Introduction to Statistics course

EDITORSHIPS

SPECIAL TOPICS JOURNAL EDITOR

Co-Host of "Brain Reward and Stress Systems in Addiction" Special Topic for Frontiers in Addictive Disorders and Behavioral Dyscontrol, to be published in 2013.

REVIEW EDITOR

Frontiers in Addictive Disorders

PUBLICATIONS

EMPIRICAL ARTICLES

1. **Gilpin, N.W.**, Roberto, M., Koob, G.F., Schweitzer, P. (submitted) Kappa opioid receptor activation decreases inhibitory transmission and antagonizes alcohol effects in

rat central amygdala. *Neuropharmacology*.

2. Edwards, S., Baynes, B., Carmichael, C.Y., Zamora-Martinez, E.R., Barrus, M., Koob, G.F., **Gilpin, N.W.** (submitted) Traumatic Stress Reactivity Promotes Excessive Alcohol Drinking and Alters the Balance of Prefrontal Cortex-Amygdala Activity. *Translational Psychiatry*.

3. El Hajj, E.C., Voloshenyuk, T.G., El Hajj, M.C., Mouton, A.J., Khoutorova, E., Hart, A.D., Baynes, B., Molina, P.E., **Gilpin, N.W.**, Gardner, J.D. (submitted) Alcohol modulation of MMP and TIMP expression in the heart favors collagen accumulation. *Alcoholism: Clinical and Experimental Research*.

4. Kallupi, M., Vendruscolo, L.V., Carmichael, C.Y., George, O., Koob, G.F., **Gilpin, N.W.** (in press) Neuropeptide Y Y2R Blockade in the Central Amygdala Reduces Anxiety-Like Behavior but not Alcohol Drinking in Alcohol-Dependent Rats. *Addiction Biology*.

5. **Gilpin, N.W.**, Whitaker, A.M., Baynes, B., Abdel, A.Y., Weil, M.T., George O. (in press) Nicotine vapor inhalation escalates nicotine self-administration. *Addiction Biology*.

6. **Gilpin, N.W.**, Karanikas, C.A., Richardson, H.N. (2012). Voluntary alcohol binge drinking early in adolescence alters drinking, anxiety, and amygdalar corticotropin releasing factor (CRF) cells in adult male rats. *PLoS One*, 7(2): e31466. doi:10.1371/journal.pone.0031466.

7. **Gilpin, N.W.**, Wright, Jr., M.J., Dickinson, G., Vandewater, S.A., Price, J.U., Taffe, M.A. (2011) Influences of activity wheel access on the body temperature response to MDMA and methamphetamine. *Pharmacology, Biochemistry & Behavior*, 99, 295-300.

8. **Gilpin, N.W.**, Misra, K., Herman, M.A., Cruz, M.T., Koob, G.F., Roberto, M. (2011) Neuropeptide Y opposes alcohol effects on GABA release in amygdala and blocks the transition to alcohol dependence. *Biological Psychiatry*, 69, 1091-9.

A. Finalist for Ziskind-Somerfeld Award from the Society of Biological Psychiatry

B. Press release by The Scripps Research Institute published in:

I. *Science Daily*: online May 31, 2011; retrieved from

<http://www.sciencedaily.com/releases/2011/05/110531135703.htm>

II. *Drug Discovery News*: online June 7, 2011; retrieved from

<http://www.drugdiscoverynews.com/index.php?newsarticle=5056>

9. **Gilpin, N.W.**, Stewart, R.B., Badia-Elder, N.E. (2011) Effects of neuropeptide Y (NPY) and ethanol on arousal and anxiety-like behavior in alcohol-preferring (P) rats. *Alcohol*, 45, 137-45.

10. **Gilpin, N.W.**, Koob, G.F. (2010) Effects of β -adrenoceptor antagonists on alcohol drinking by alcohol-dependent rats. *Psychopharmacology*, 212, 431-9.

11. Roberto M., Cruz M.T., **Gilpin N.W.**, Sabino V., Schweitzer P., Cottone P., Madamba S.M., Stouffer D., Zorrilla E.P., Koob G.F., Siggins G.R., Parsons L.H. (2010) Corticotropin Releasing Factor–Induced Amygdala Gamma-Aminobutyric Acid Release Plays a Key Role in Alcohol Dependence. *Biological Psychiatry*, 67, 831-9.

A. Press release by The Scripps Research Institute published in:

I. *USA Today*: online January 29, 2010; retrieved from

http://www.usatoday.com/news/health/2010-01-29-stress-alcoholism_N.htm?csp=usat.me

II. *Science Daily*: online January 26, 2010; retrieved from

<http://www.sciencedaily.com/releases/2010/01/100125173452.htm>

12. **Gilpin, N.W.**, Smith, A., Cole, M., Weiss, F., Koob, G.F., Richardson, H.N. (2009) Operant behavior and alcohol levels in blood and brain of alcohol-dependent rats. *Alcoholism: Clinical and Experimental Research*, 33, 2113-23.

13. **Gilpin, N.W.**, Stewart, R.B., Badia-Elder, N.E. (2008). Neuropeptide Y (NPY) suppresses ethanol responding in ethanol-abstinent, but not non-ethanol-abstinent,

Wistar rats. *Alcohol*, 42, 541-51.

14. **Gilpin, N.W.**, Badia-Elder, N.E., Elder, R.L., Stewart, R.B. (2008). Schedule-induced polydipsia in lines of rats selectively bred for high and low ethanol preference. *Behavior Genetics*, 38, 515-24.

15. **Gilpin, N.W.**, Richardson, H.N., Koob, G.F. (2008). Effects of CRF1-receptor and opioid-receptor antagonists on dependence-induced increases in alcohol drinking by alcohol-preferring (P) rats. *Alcoholism: Clinical and Experimental Research*, 32, 1535-42.

16. **Gilpin, N.W.**, Richardson, H.N., Lumeng, L., Koob, G.F. (2008). Dependence-induced alcohol drinking by alcohol-preferring (P) rats and outbred Wistar rats. *Alcoholism: Clinical and Experimental Research*, 32, 1688-96.

17. Roberto, M., **Gilpin, N.W.**, O'Dell, L.E., Morse, A.C., Siggins, G.R., Koob, G.F. (2008). Cellular and behavioral rationale for gabapentin treatment of alcohol dependence. *Journal of Neuroscience*, 28, 5762-71.

A. Press release by *Journal of Neuroscience* published in:

I. *Nature News*: online 28 May 2008; doi:10.1038/news.2008.859

II. *Science Daily*: online May 28, 2008; retrieved from

<http://www.sciencedaily.com/releases/2008/05/080528121256.htm>

B. Gilpin, N.W., Koob, G.F., Roberto, M. (2008) Response to "Anxious to drink: gabapentin normalizes GABAergic transmission in the central amygdala and reduces symptoms of ethanol dependence." *Journal of Neuroscience*.

18. **Gilpin, N.W.**, Stewart, R.B., Badia-Elder, N.E. (2008). Neuropeptide Y administration into the amygdala suppresses ethanol drinking in alcohol-preferring (P) rats following multiple deprivations. *Pharmacology, Biochemistry & Behavior*, 90, 470-4.

19. **Gilpin, N.W.**, Misra K., Koob G.F. (2008). Neuropeptide Y in the central nucleus of the amygdala suppresses dependence-induced increases in alcohol drinking. *Pharmacology, Biochemistry & Behavior*, 90, 475-80.

20. Ji, D.*, **Gilpin, N.W.***, Richardson, H.N., Rivier, C.L., Koob, G.F. (2008). Effects of naltrexone, duloxetine, and a CRF₁ receptor antagonist on binge-like alcohol drinking in rats. *Behavioral Pharmacology*, 19, 1-12.

21. **Gilpin, N.W.**, Stewart, R.B., Murphy, J.M., Badia-Elder, N.E. (2005). Sensitized effects of neuropeptide Y on multiple ingestive behaviors in P rats following ethanol abstinence. *Pharmacology, Biochemistry & Behavior*, 81, 740-9.

22. **Gilpin, N.W.**, Stewart, R.B., Murphy, J.M., Li, T.-K., Badia-Elder, N.E. (2004). Neuropeptide Y in the paraventricular nucleus of the hypothalamus increases ethanol intake in high- and low-alcohol-drinking rats. *Alcoholism: Clinical and Experimental Research*, 28, 1492-8.

23. **Gilpin, N.W.**, Stewart, R.B., Elder, R.L., Kho, Y., Murphy, J.M., Li, T.-K., Badia-Elder, N.E. (2004). Sedative and motor-impairing effects of neuropeptide Y and ethanol in selectively-bred P and NP rats. *Pharmacology, Biochemistry & Behavior*, 78, 65-73.

24. **Gilpin, N.W.**, Stewart, R.B., Murphy, J.M., Li, T.-K., Badia-Elder, N.E. (2003). Neuropeptide Y reduces oral ethanol intake in alcohol-preferring (P) rats following a period of imposed ethanol abstinence. *Alcoholism: Clinical and Experimental Research*, 27, 787-94.

* indicates that both authors contributed equally to the manuscript

REVIEW ARTICLES

1. **Gilpin, N.W.** (2012) Neuropeptide Y (NPY) in the extended amygdala is recruited during the transition to alcohol dependence. *Neuropeptides* 46:253-9.

2. **Gilpin, N.W.** (2012) Corticotropin-releasing factor (CRF) and neuropeptide Y (NPY): Effects on inhibitory transmission in central amygdala, and anxiety- & alcohol-related behaviors. *Alcohol*, 46, 329-37.
3. **Gilpin, N.W.**, Roberto, M. (2012) Neuroplasticity in synaptic transmission in the central amygdala is a key mediator of alcohol dependence. *Neuroscience and Biobehavioral Reviews*, 36, 873-88.
4. June, H.L., **Gilpin, N.W.** (2010) Operant self-administration models for testing the neuropharmacological basis of ethanol consumption in rats. *Current Protocols in Neuroscience, Supplement 51*, 9.12.1-9.12.25.
5. **Gilpin, N.W.**, Koob, G.F. (2008). Overview: neurobiology of alcohol dependence with a focus on motivational mechanisms. *Alcohol Research & Health*, 31, 185-95.
6. **Gilpin, N.W.**, Richardson, H.N., Cole, M., Koob, G.F. (2008). Vapor inhalation of alcohol in rats. *Current Protocols in Neuroscience*, 44, 9.29.1-9.29.19.
7. Badia-Elder, N.E., **Gilpin, N.W.**, Stewart, R.B. (2007). Neuropeptide Y modulation of ethanol intake: effects of ethanol drinking history and genetic background. *Peptides*, 28, 339-44.

BOOK CHAPTERS

1. Roberto, M., **Gilpin, N.W.** (submitted) Central amygdala neuroplasticity in alcohol dependence. Elsevier (*Neurobiology of Alcohol Dependence*, eds. Antonio Noronha, Changhai Cui, Adron Harris & John Crabbe).
2. Roberto, M., **Gilpin, N.W.**, Siggins, G.R. (2012) The Central Amygdala and Alcohol: Role of GABA, Glutamate and Neuropeptides. Cold Spring Harb Perspect Med (*Addiction*, eds. Paul Kenny & Christopher Pierce) doi: 10.1101/cshperspect.a012195. [Epub ahead of print].

MONOGRAPHS

1. **Gilpin N.W.** (2009) *Alcohol abstinence in vulnerable subpopulations of drinkers: a role for neuropeptide Y*. Saarbrücken, Germany: VDM Verlag Dr. Müller.

ONLINE COURSE

1. **Gilpin, N.W.** in collaboration with Medical Directions, Inc., Rita Goldstein, PhD, and UCLA Laboratory of Neuroimaging (June 2010) *The Neurobiology of Addiction*.
URL: <http://www.drugabuseresearchtraining.org>

ORGANIZED & CHAIRED SYMPOSIA

1. Organizer & Chair of symposium titled "Nicotine Reinforcement & Dependence: Neuroadaptations in Stop & Go Signals" at International Behavioral Neuroscience Society, Dublin, Ireland, 2013.
2. Co-Organizer (chaired by George Koob, Ph.D. & Michael Kuhar, Ph.D.) of symposium titled "Alcohol I: Stress Connection" at International Drug Abuse Research Society, Mexico City, Mexico, 2013.
3. Co-Organizer & Co-Chair (with Diana Martinez, M.D.) of symposium titled "Pharmacotherapies for Addiction: Status Update, Strategies & Challenges" at National Hispanic Science Network on Drug Abuse, San Diego, CA, 2012.
4. Organizer & Chair of symposium titled "Alcohol-Induced Plasticity in Brain Neuropeptide Y Systems" at the 10th International NPY-PPY-PP Meeting, Montreal, Canada, 2012.
5. Co-Chair (with Patricia Molina, M.D., Ph.D.) of symposium titled "Stem Cells &

Epigenetics: Implications for Alcohol Use Disorders and Biomedical Consequences of Alcohol Dependence” at 34th Annual Scientific Meeting of the Research Society on Alcoholism, San Francisco, CA, 2012.

6. Organizer & Chair of symposium titled “Negative Affective States and Addiction” at National Hispanic Science Network on Drug Abuse, Miami, FL, August 24-27, 2011.
7. Organizer & Chair of symposium titled “Vulnerability Factors for Excessive Alcohol Drinking and Alcohol-Related Behavioral Dysregulation” at the 34th Annual Scientific Meeting of the Research Society on Alcoholism, Atlanta, GA, 2011.
8. Organizer & Chair of symposium titled “Post-traumatic Stress Disorder and Alcoholism” at Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy, 2011.
9. Organizer & Chair of symposium titled “Neuropharmacology of Excessive Alcohol Drinking in Rodent Models” at the 32nd Annual Scientific Meeting of the Research Society on Alcoholism, San Diego, CA, 2009.

INVITED TALKS

1. *Traumatic Stress Reactivity Facilitates Excessive Alcohol Drinking and Prefrontal Cortex-Amygdala Synchronicity*. Invited Talk at Southeastern Louisiana University, Biology Department, Hammond, LA, November 2012.
2. *Stress & Stress Response Affects Alcohol-Related Behavior*. Invited talk at Tulane University, Physiology Department, New Orleans, LA, April 2012.
3. *At the Intersection of Stress & Alcohol Use Disorders*. Invited talk at National Institute of Alcoholism & Alcohol Abuse, Bethesda, MD, February 2012.
4. *At the Intersection of Stress & Alcohol Use Disorders*. Invited talk at Tulane University, Neuroscience Department, New Orleans, LA, November 2011.
5. *Neuropeptide Y: The Light Side of the Dark Side of Alcoholism*. Invited talk at Indiana University-Purdue University at Indianapolis, Psychology Department, Indianapolis, IN, November 2010.

ORAL PRESENTATIONS AT NATIONAL & INTERNATIONAL MEETINGS

1. *Nicotine vapor escalates nicotine self-administration & alters nAChR profiles*. To be presented in symposium (Organizer: Nicholas Gilpin) at International Behavioral Neuroscience Society meeting in Dublin, Ireland, 2013.
2. *Nicotine vapor inhalation escalates nicotine self-administration*. To be presented in symposium at College of Problems on Drug Dependence meeting in San Diego, CA, 2013.
3. *High traumatic stress reactivity promotes alcohol drinking and recruits cortico-amygdalar circuitry*. Presented in symposium titled “Alcohol I: Stress Connection” (Chairs: George Koob & Michael Kuhar) at International Drug Abuse Research Society meeting in Mexico City, Mexico, 2013.
4. *Exposure to traumatic stress in rats differentially affects alcohol drinking and neuronal ERK phosphorylation*. Presented in nanosymposium (Organizer: Jesse Schank) at Society for Neuroscience meeting in New Orleans, LA, 2012.
5. *Alcohol dependence recruits neuropeptide Y (NPY) systems in extended amygdala*. Presented in symposium titled “Neuropeptidergic Mechanisms Underlying Alcohol Addiction: New Treatment Strategies” (Organizer: Marisa Roberto) at International Society for Biomedical Research on Alcoholism Congress in Sapporo, Japan, 2012.
6. *Neuropeptide Y in the extended amygdala of alcohol-dependent rats*. Presented in

- symposium titled "Alcohol-Induced Plasticity in Brain Neuropeptide Y Systems" (Organizer: Nicholas Gilpin) at the 10th International NPY-PPY-PP Meeting, Montreal, Canada, 2012.
7. *Nicotine-dependent rats exhibit increases in alcohol self-administration and altered sensitivity to varenicline.* Presented in session titled "Nicotine Receptors in Addiction and Treatment" (Chair: Elise Weerts) at College of Problems on Drug Dependence meeting in Palm Springs, CA, 2012.
 8. *An animal model of post-traumatic stress disorder & alcohol-related behaviors.* Presented in symposium titled "Negative affective states and addiction" (Organizer: Nicholas Gilpin) at National Hispanic Science Network on Drug Abuse, Miami, FL, 2011.
 9. *A new animal model of PTSD and alcohol drinking: Effects of predator stress and conditioned stimuli on operant alcohol self-administration.* Presented in symposium titled "Vulnerability factors for excessive alcohol drinking and alcohol-related behavioral dysregulation" (Organizer: Nicholas Gilpin) at the 34th Annual Scientific Meeting of the Research Society on Alcoholism, Atlanta, GA, 2011.
 10. *A new animal model of post-traumatic stress disorder & alcohol dependence.* Presented in symposium titled "Post-traumatic stress disorder and alcoholism" (Organizer: Nicholas Gilpin) at Alcoholism and Stress: A Framework for Future Treatment Strategies, Volterra, Italy, 2011.
 11. *Neuropeptide Y suppresses alcohol drinking by decreasing inhibitory neurotransmission in central amygdala.* Presented in symposium titled "Novel neurobiological targets for the treatment of alcoholism" (Organizer: George Koob) at the 3rd Annual Scientific Meeting of the International Drug Abuse Research Society, Rio de Janeiro, Brazil, 2010.
 12. *Extending the utility of alcohol vapor dependence procedures.* Presented in symposium titled "Transitions to excessive alcohol consumption: Animal models" (Organizer: John Crabbe) at the 2010 World Congress of the International Society for Biomedical Research on Alcoholism, Paris, France, 2010.
 13. *A convergent pathway in the amygdala for brain stress peptides in alcohol dependence.* Presented in symposium titled "Novel neurobiological targets for the treatment of alcoholism" (Organizers: George Koob and Antonio Noronha) at the 2nd Annual Scientific Meeting of the International Drug Abuse Research Society, Seoul, South Korea, 2009.
 14. *Role of neuropeptide Y (NPY) in the transition to alcohol dependence.* Presented in symposium titled "Neuropharmacology of excessive alcohol drinking in rodent models" (Organizer: Nicholas Gilpin) at the 32nd Annual Scientific Meeting of the Research Society on Alcoholism, San Diego, CA, 2009.
 15. *Behavioral and pharmacological validation of two models of pathological alcohol drinking.* Presented in symposium titled "Reeling rats and mice of vice: novel rodent models of addiction" (Organizer: Christopher Olsen) at the 41st Winter Conference on Brain Research, Snowbird, Utah, 2008.
 16. *Suppression of ethanol intake by neuropeptide Y (NPY) in Wistar rats depends on intermittence of prior ethanol exposure.* Presented at the "Peptides" Paper Session (Moderator: Howard Becker) at the 29th Annual Scientific Meeting of the Research Society on Alcoholism, Baltimore, Maryland, 2006.
 17. *Dose-dependent effects of neuropeptide Y (NPY) on ethanol intake in alcohol-preferring (P) rats following multiple periods of imposed ethanol abstinence.*

Presented at the "Peptides" Paper Session (Moderator: Catherine Rivier) at the 27th Annual Scientific Meeting of the Research Society on Alcoholism, Vancouver, Canada, 2004.

18. *The effects of neuropeptide Y (NPY) in the paraventricular nucleus of the hypothalamus (PVN) on ethanol drinking in high- (HAD1) and low-alcohol-drinking (LAD1) rats.* Presented at the "Peptides" Paper Session (Moderator: Catherine Rivier) at the 27th Annual Scientific Meeting of the Research Society on Alcoholism, Vancouver, Canada, 2004.
19. *Neuropeptide Y reduces oral ethanol intake in alcohol-preferring (P) rats following a period of imposed ethanol abstinence.* Presented at the "Neurotransmitters and Neuropeptides" Paper Session (Moderator: Howard Becker) at the 26th Annual Scientific Meeting of the Research Society on Alcoholism, Fort Lauderdale, FL, 2003.