**CURRICULUM VITAE**



**Nicholas W. Gilpin**

**Current Title:** Professor

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**Business email Address:** ngilpi@lsuhsc.edu

**Citizenship:** U.S.A.

**Education:**

**Undergraduate** University of Texas at Austin 1996-2000

B.A. in Psychology

B.A. in Spanish Language

**Graduate/Medical** Purdue University 2001-2005

Ph.D. in Psychology

**Post-Doctoral Fellowship** The Scripps Research Institute 2005-2011

**Academic, Professional, and Research Appointments:**

Assistant Professor, Physiology Department, LSUHSC 2011-2016

Assistant Professor, Neuroscience Ctr. of Excellence, LSUHSC 2011-2016

Assistant Professor, Alcohol & Drug Abuse Ctr. of Excellence, LSUHSC 2013-2016

Associate Director, Alcohol & Drug Abuse Ctr. of Excellence, LSUHSC 2015-

Associate Professor w/Tenure, Physiology Department, LSUHSC 2016-2019

Associate Professor w/Tenure, Neuroscience Center, LSUHSC 2016-2019

Associate Professor w/Tenure, Alcohol & Drug Abuse Center, LSUHSC 2016-2019

Research Physiologist, Department of Veteran Affairs (V.A.) 2017-

Professor w/Tenure, Physiology Department, LSUHSC 2019-

Professor w/Tenure, Neuroscience Center, LSUHSC 2019-

Professor w/Tenure, Alcohol & Drug Abuse Center, LSUHSC 2019-

Vice Chair of Research, Physiology Department, LSUHSC 2020-

**Membership in Professional Organizations:**

Research Society on Alcoholism (RSA); member 2001-

Society for Neuroscience (SfN); member 2004-

Int’l. Society for Biomedical Res. on Alcoholism (ISBRA); member 2010-

National Hispanic Science Network on Drug Abuse (NHSN); member 2010-

International Drug Abuse Research Society (IDARS); member 2013-

American Coll. of Neuropsychopharmacology (ACNP), Assoc. member 2014-2019

American Coll. of Neuropsychopharmacology (ACNP), Member 2019-

**Awards and Honors:**

University of Texas at Austin Honors Colloquium Scholarship 1996

U. of Texas Academic Hispanic Award; 4-year academic scholarship 1996-2000

RSA Memorial Award, San Diego, CA 2009

Young Investigator Award; Alcoholism & Stress meeting, Volterra, Italy 2011

NHSN National Award of Excellence in Research by a New Investigator 2011

ACNP Travel Award 2012

IDARS Young Investigator Award 2013

Presidential Early Career Award for Scientists & Engineers (PECASE) 2017

*Awarded by the White House Office of Science & Technology to 102 scientists and engineers in the early stages of their independent research careers*

Elected Co-Chair of Gordon Research Conference on Alcohol & CNS 2018

*Will serve as co-vice chair 2018-2020 and co-chair 2020-2022.*

LSUHSC-SOM Faculty Assembly Outstanding Mentor Award 2021

**TEACHING EXPERIENCE AND RESPONSIBILITIES**

**Curriculum Development/Implementation**

Created curriculum for LSUHSC Physiology Special Topics Course (PHYSIO 289) titled *Biostatistics for Graduate Students*.

**Formal Course Responsibilities**

**Graduate Teaching**

**Course Director:**

**LSU Health Sciences Center**

Biostatistics for graduate students (PHYSIO 289) 2013-present

Human Physiology for dental students (DENT 1115) 2016-present

**Course Co-Director:**

**LSU Health Sciences Center**

Human Physiology for dental students (DENT 1115) 2013-2016

**Co-Instructor/Lecturer:**

**LSU Health Sciences Center**

Human Physiology (DENT 1115) 2011-present

Synaptic Organization of Behavior (ANAT 264) 2014

Molecular Neurobiology (NEURO 250) 2014

Modern Breakthroughs in Biomedical Sciences 2014

Dental Grand Rounds mentor (DENT 4112) 2017-2019

**Undergraduate Teaching**

**Course Director:**

**San Diego State University**

Statistical Methods in Psychology (PSY 270) 2008

**Univ. of California-San Diego**

Introduction to Statistics (PSYC 60) 2009-2011

Physiological Psychology (PSYC 106) 2010

**Co-Instructor:**

**LSU Health Sciences Center**

Human Physiology for nursing students (HS 2410) 2011-2016

Human Pathophysiology for nursing students (HS 3410) 2012-2016

General & Oral Physiology for dental hygiene (DHY 3202) 2012

**Junior Faculty Professional Development Program (PDP) Committee Chair:**

1. Scott Edwards, Ph.D., Physiology, LSUHSC 2016-
2. Tiffany Wills, Ph.D., Cell Biology, LSUHSC 2016-
3. Liz Simon, Ph.D., Physiology, LSUHSC 2016-
4. Jason Gardner, Ph.D., Physiology, LSUHSC 2016-
5. Lisa Harrison-Bernard, Ph.D., Physiology, LSUHSC 2016-2019
6. Flavia Souza-Smith, Ph.D., Physiology, LSUHSC 2016-
7. Xinping Yue, Ph.D., Physiology, LSUHSC 2016-
8. Stefany Primeaux, Ph.D, Physiology, LSUHSC 2016-
9. Robert Siggins, Ph.D., Physiology, LSUHSC 2016-
10. Rajani Maiya, Ph.D., Physiology, LSUHSC 2020-

**Junior Faculty & Fellows & Students Trained:**

**Assistant Professor:**

* + 1. Michael Salling, Ph.D. 2019-
* Mentor on K99/R00 from NIAAA
  + 1. Elizabeth Avegno, Ph.D. 2022-
       - Mentor on K01 from NIAAA

**Instructor:**

1. Elizabeth Avegno, Ph.D. 2018-2022
2. Lucas Albrechet-Souza, Ph.D. 2018-

**Post-Doctoral Fellows:**

**LSU Health Sciences Center**

1. Brandon Baiamonte, Ph.D. 2012-2013
2. Emily Roltsch, Ph.D. 2012-2014
3. Annie Whitaker, Ph.D. 2012-2016
4. Christy Itoga, Ph.D. 2014-2016
5. Elizabeth Avegno, Ph.D. 2016-2018
   * Mentor on F32 from NIAAA
6. Udita Datta, Ph.D. 2017-2018
7. Elizabeth Fucich, Ph.D. (co-mentor) 2017-2020
   * Co-mentor on F32 from NIAAA
8. Marcus Weera, Ph.D. 2017-
   * Mentor on F32 from NIAAA
   * Mentor on K99/R00 from NIAAA
9. Lucas Albrechet-Souza, Ph.D. 2018
10. Christian Montanari, Ph.D. 2019-
11. Alejandra Jacotte, Ph.D. 2019-
12. Amanda Pahng, Ph.D. 2020-
    * Mentor on CDA from V.A.
13. Sydney Vita, Ph.D. 2020-
    * Mentor on F32 from NIAAA
14. Andrea Jones, Ph.D. 2021-
15. Sheila Engi, Ph.D. (co-mentor) 2021-
16. Marcus Brown, Ph.D. (co-mentor) 2021-2022
17. Lisa Wilson, Ph.D. (co-mentor) 2022-
18. Ilse Pamela Alonso, Ph.D. 2023-

**Graduate Students**

**LSU Health Sciences Center**

Major Professor

1. Brittni Baynes; Physiology; chair M.S. committee 2013-2014
2. Allyson Schreiber; Physiology; chair Ph.D. committee 2014-2018
   * Mentor on F30 from NIAAA
3. Alicia Ray-Botello; Physiology; chair M.S. committee 2015-2017
4. Zachary Stielper; Physiology; chair Ph.D. committee 2017-2020
   * Mentor on F30 from NIAAA
5. Nathan Sharfman; Physiology; chair Ph.D. committee 2019-2022
6. Taylor Templeton; Physiology; chair Ph.D. committee 2018-

Dissertation Committee (member)

1. Xu “Sophie” Teng; Ph.D., LSUHSC Physiology 2012-2014
2. Travis Doggett; Ph.D., LSUHSC Physiology 2013-2014
3. Aram Asatryan; Ph.D., LSUHSC Neuroscience 2013-2014
4. Jacques Mayeux; Ph.D., LSUHSC Physiology 2014-2016
   * Co-mentor on F31 from NIAAA
5. Alan Mouton; Ph.D., LSUHSC Physiology 2014-2017
6. Adrienne McGinn; Ph.D., LSUHSC Physiology 2015-2019
   * Co-mentor on F31 from NIAAA
7. Krystal Belmonte; Ph.D., LSUHSC Physiology 2018-2021
8. Eleanor Holmgren; Ph.D., LSUHSC Cell Biology 2020-
9. Jessica Cucinello; Ph.D., LSUHSC Physiology 2020-

**Other universities**

1. Xin Fu; Ph.D., Tulane Neuroscience 2016-
2. Dennis Parker Kelley; Ph.D., LSU Comp. Biomed. Sci. 2019-
3. Matthew Watson; Ph.D., Tulane Neuroscience 2020-

**Medical Students**

Summer Research Rotations

1. Madelyn Weil 2012

2. Abdelrahim Abdel 2012

**Foreign Research Interns**

1. Pauline Estival 2015

Pharmacy student at Université d’Auvergne, France

1. Tomasz Bielwaski 2019

Ph.D. student at Wroclaw Medical University, Poland

**RESEARCH AND SCHOLARSHIP**

**Grants and Contracts:**

**Active**

1R01AA023305-01 2014-2025

National Institutes of Alcoholism and Alcohol Abuse & General Medical Sciences

Role of Neuropeptides in Stress-Induced Escalation of Alcohol Drinking

*The overall goal of this project is to test the role of amygdala neuropeptides in co-morbid high stress reactivity and alcohol abuse.*

Role: PI

1I01BX003451-01A1 2017-2025

Department of Veteran Affairs

Targeting Melanocortin-4 Receptors to Reduce Pain in U.S. Veterans

*The goal of this project is to test the role of brain melanocortin signaling in mediating hyperalgesia associated with chronic inflammatory pain.*

Role: PI

1R01AA026531-01 2017-2022

NIH/NIAAA

Traumatic stress increases alcohol drinking via endocannabinoid disinhibition of

basolateral amygdala

*This study examines the role of brain endocannabinoid signaling in post-stress escalation of alcohol drinking.*

Role: MPI (with Jeffrey Tasker)

1R01AA025792-01A1 2018-2023

NIH/NIAAA

Alcohol and Traumatic Brain Injury; Neuronal and Behavioral Consequences

*This study examines the neurobiological basis for traumatic brain injury effects on alcohol-related behavior and physiology.*

Role: MPI (with Patricia Molina)

1U01AA028709-01 2020-2025

NIH/NIAAA

8/8 NADIA U01 Long-Term Effects of Adolescent Alcohol on Pain

*This study tests the role of amygdala peptide systems in heightened pain after adolescent alcohol exposure.*

Role: MPI (with Tiffany Wills)

1R13AA028237-01 2019-2023

NIH/NIAAA

Travel Support for the 7th International Drug Abuse Research Society (IDARS) Meeting

*This award provides travel support for junior U.S.-based scientists attending the IDARS meeting.*

Role: PI

1F30AA026468-01A1 (PI: Zachary Stielper) 2018-2023

NIH/NIAAA

The Role of Amygdalar Endocannabinoids in Alcohol Drinking after Traumatic Brain Injury (TBI)

*This fellowship trains an M.D./Ph.D. student in alcohol research and examines the neurobiological basis for TBI effects on alcohol-related behavior and physiology.*

Role: Mentor

1F31AA028445-01 (PI: Jessica Cucinello) 2020-2023

NIH/NIAAA

Regulation of Pain by Alcohol and Endocannabinoids in the Basolateral Amygdala

*This project tests the role of BLA eCBs in mediating pain-alcohol interactions.*

Role: Co-mentor

1F30AA028691-01A1 (PI: Nathan Sharfman) 2021-2026

NIH/NIAAA

Amygdala Modulation of Adolescent Alcohol Effects on Pain

*This project tests the role of amygdala neuropeptide & glutamate systems in hyperalgesia that results from adolescent alcohol exposure.*

Role: Mentor

1R21AA028727-01A1 2021-2023

NIH/NIAAA

Preventing Alcohol Seeking with a Nonmuscle Myosin II Inhibitor under Clinical Development

*This project aims to prevent relapse to alcohol use by targeting the motivation to seek alcohol that is triggered by long lasting reminders of alcohol use.*

Role: MPI (with Courtney Miller)

1K01AA028541-01A1 (PI: Elizabeth Avegno) 2022-2027

NIH/NIAAA

Orexin Modulation of Brain Reward-Brain Stress System Interactions in Alcohol Withdrawal Anxiety

*This project tests the role of midbrain peptide systems in mediating anxiety that results from chronic alcohol exposure and withdrawal.*

Role: Mentor

1K99AA029726-01A1 (PI: Marcus Weera) 2022-2027

NIH/NIAAA

Lateral Hypothalamus Circuits in Stress-Induced Blunting of Alcohol Aversion & Escalation of Alcohol Self-Administration

*This project tests the role of specific cells and circuits in stress effects on the aversive properties of alcohol and on alcohol drinking.*

Role: Mentor

**Completed**

Underrepresented minority supplement to R01AA12857 2002-2005

NIH/NIAAA

Neuropeptide Y and Alcohol Related Behaviors

Role: Student (PI: Badia-Elder)

*The overall goal of this project was to train a graduate student in neuroscience research aimed at understanding the genetic basis for alcoholism.*

1F32 AA016436-01A1 2007-2009

Ruth L. Kirschstein NRSA Postdoctoral Fellowship

NIH/NIAAA

Neuropeptide Y and Ethanol Abstinence

Role: PI

*The overall goal of this project was to train a post-doctoral fellow in neuroscience research aimed at understanding the neurobiological basis of alcohol dependence.*

5R00AA018400-05 2010-2015

K99/R00 Pathway to Independence (PI) Award

NIH/NIAAA

Post-traumatic Stress Disorder and Alcohol Dependence

Role: PI

*The overall goal of this project was to identify neurobiological mechanisms that underlie excessive alcohol drinking by rats with high traumatic stress reactivity.*

PFund Pilot Funding for New Research 2013

Louisiana Board of Regents

Using Optogenetic Stimulation to Measure Reward Function in Drug- and Alcohol-Dependent Rats

Role: PI

*The overall goal of this project was to establish the use of optogenetic stimulation in the lab for the measurement of brain reward function in rodents.*

ABMRF 2013-2015

ABMRF Foundation for Alcohol Research Role of Melanocortin-4 Receptors (MC4Rs) in Chronic Alcohol-Induced Changes in Thermal Sensitivity

Role: PI

*The overall goal of this project was to test the role of brain MC4Rs in excessive alcohol drinking and hyperalgesia during alcohol withdrawal in alcohol-dependent rats.*

2P60AA009803-22 2014-2016

NIH/NIAAA

LSUHSC-NO Comprehensive Alcohol-HIV/AIDS Research Center

Role: PI of Information Dissemination Core

*The overall goal of this Core was to impact alcohol- and HIV-related knowledge, attitudes and behaviors by educating lay people, practicing and in-training health care providers, and scientists on the neurobiological basis and biomedical consequences of alcohol use and abuse, and the risk factors and biological underpinnings of HIV.*

1R21AA022690-01A1 2014-2016

NIH/NIAAA

Ethanol-Induced Cardiac Fibrosis and Dysfunction are Mediated by NADPH Oxidases

Role: Co-I (PI: Jason Gardner)

*The overall goal of this project was to identify the mechanisms responsible for alcohol-induced cardiac injury.*

P30GM103340 2015-2016

NIH COBRE Pilot

Synaptic Mechanism of Inhibitor-2 in the Escalated Anxiety in Alcohol Disorder

Role: Collaborator (Pilot PI: Houhui Xia, Ph.D.)

3R01AA023305-02S1 2015-2016

NIH Office of Research on Women’s Health & NIAAA

Role of Neuropeptides in Stress-Induced Escalation of Alcohol Drinking

Role: PI

*The goal of this supplement was to test Aim 1 of the parent R01 in female rats.*

1F30AA023696-01 (PI: Allyson Schreiber) 2015-2020

National Institute of Alcoholism and Alcohol Abuse

Prefrontal Cortex Stress Peptides in Traumatic Stress-Induced Escalation of Alcohol Drinking

*This fellowship trains an M.D./Ph.D. student in neuroscience research aimed at understanding the neurobiological basis of stress-induced escalation of alcohol drinking.*

Role: Mentor

1F31AA025812-01A1 (PI: Adrienne McGinn) 2017-2019

NIH/NIAAA

Alcohol Dependence and Pain: Role of Cingulate Cortex Glucocorticoid Receptors

*This fellowship trains a Ph.D. student in alcohol research and examines the neurobiological intersection of pain and alcohol dependence.*

Role: Co-mentor

1R01AA026531 Supplement 2018-2020

Cohen Veterans Biosciences (CVB)

Traumatic stress increases alcohol drinking via endocannabinoid disinhibition of

basolateral amygdala

*This study examines traumatic stress reactivity and its association with specific central and peripheral biomarkers.*

Role: PI

1R21AA025736-01 (PI: Scott Edwards) 2017-2019

NIH/NIAAA

Role of GluA1 in the Escalation of Alcohol Drinking in Nicotine-Dependent Animals

*This study examines the role of brain AMPA receptors in mediating nicotine-alcohol interactions.*

Role: Co-I

1F32AA026779-01A1 (PI: Elizabeth Fucich) 2018-2020

NIH/NIAAA

Stress effects on traumatic brain injury: neural mechanisms of escalated alcohol drinking.

*This project tests the neurobiology underlying stress and TBI interaction effects on alcohol drinking.*

Role: Co-mentor

1R01HL135635-01 (PI: Jason Gardner) 2017-2021

NIH/NHLBI

Chronic Nicotine Inhalation Increases Susceptibility to Cardiovascular and Pulmonary Diseases Through Inhibition of Local Compensatory Mechanisms.

*This study examines the effects of chronic nicotine inhalation on cardiovascular and pulmonary outcomes.*

Role: Co-I

1R44DA046300-01 (PI: Maury Cole) 2018-2021

NIH/NIDA

Development of Nicotine Vapor Inhalation Chambers for Rodent Self-Administration

*This study develops and optimizes nicotine e-cigarette vapor self-administration in rats.*

Role: Subcontract PI

3R01AA025792-03S1 2020-2021

NIH/NIAAA

Alcohol and Traumatic Brain Injury; Neuronal and Behavioral Consequences

*This supplement examines the underlying mechanisms of post-TBI neurodegeneration and risk for Alzheimer’s Disease.*

Role: MPI (with Patricia Molina)

1R21AA026022-01A1 2018-2020

NIH/NIAAA

Generation and validation of a CRFR1-cre transgenic rat to study alcohol dependence

*This study generates and validates a new transgenic rat for the neuroscience field.*

Role: PI

1F32AA025831-01 (PI: Elizabeth Avgeno) 2017-2021

NIH/NIAAA

Brain Reward and Stress System Interactions in Alcohol Dependence

*This fellowship trains a post-doctoral fellow in alcohol research and examines the interaction of brain stress and reward systems in alcohol dependence.*

Role: Mentor

1F32AA027145-01A1 (PI: Marcus Weera) 2019-2021

NIH/NIAAA

The role of amygdala outputs in stress-induced escalation of alcohol drinking

*This fellowship trains a post-doctoral fellow in alcohol research and examines the neurobiology underlying stress-induced escalation of alcohol drinking.*

Role: Mentor

**Journal Publications:**

**Refereed:**

Empirical Articles:

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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*.*
7. **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.
8. **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.
9. 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.
   * 1. Press release by *Journal of Neuroscience* published in:
        1. *Nature News*: online 28 May 2008; doi:10.1038/news.2008.859
        2. *Science Daily*: online May 28, 2008; retrieved from

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

* + 1. 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*.

1. **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.
2. **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.
3. 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.
4. **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.
5. **Gilpin, N.W.**, Koob, G.F. (2010) Effects of β-adrenoceptor antagonists on alcohol drinking by alcohol-dependent rats. *Psychopharmacology* 212:431-9.
6. 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.
   * 1. Press release by The Scripps Research Institute published in:
        1. *USA Today*: online January 29, 2010; retrieved from <http://www.usatoday.com/news/health/2010-01-29-stress-alcoholism_N.htm?csp=usat.me>
        2. *Science Daily*: online January 26, 2010; retrieved from

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

1. **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.
2. **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.
   * 1. Finalist for Ziskind-Somerfeld Award from the Society of Biological Psychiatry
     2. Press release by The Scripps Research Institute published in:
        1. *Science Daily*: online May 31, 2011; retrieved from

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

* + - 1. *Drug Discovery News*: online June 7, 2011; retrieved from

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

1. **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.
2. **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*: e31466. doi:10.1371/journal.pone.0031466.
3. Kallupi, M., Vendruscolo, L.V., Carmichael, C.Y., George, O., Koob, G.F., **Gilpin, N.W.** (2013) Neuropeptide Y Y2R Blockade in the Central Amygdala Reduces Anxiety-Like Behavior but not Alcohol Drinking in Alcohol-Dependent Rats. *Addiction Biology* 19:755-7.
4. Edwards, S., Baynes, B., Carmichael, C.Y., Zamora-Martinez, E.R., Barrus, M., Koob, G.F., **Gilpin, N.W.** (2013) Traumatic Stress Reactivity Promotes Excessive Alcohol Drinking and Alters the Balance of Prefrontal Cortex-Amygdala Activity. *Translational Psychiatry* 3:e296; doi:10.1038/tp.2013.70.
5. Roltsch, E.A., Baynes, B.B., Mayeux, J.P., Whitaker, A.M., Baiamonte, B.A., **Gilpin, N.W.** (2014) Predator Odor Stress Alters Corticotropin-Releasing Factor-1 Receptor (CRF1R)-Dependent Behaviors in Rats. *Neuropharmacology* 79:83-89.
6. Baiamonte, B.A., Valenza, M., Roltsch, E.A., Whitaker, A.M., Baynes, B.B., Sabino, V., **Gilpin, N.W.** (2014) Nicotine dependence produces hyperalgesia: role of corticotropin-releasing factor-1 receptors (CRF1Rs) in the central amygdala (CeA). *Neuropharmacology* 77:217-223.
7. **Gilpin, N.W.**, Roberto, M., Koob, G.F., Schweitzer, P. (2014) Kappa opioid receptor activation decreases inhibitory transmission and antagonizes alcohol effects in rat central amygdala. *Neuropharmacology* 77:294-302.
8. **Gilpin, N.W.**, Whitaker, A.M., Baynes, B., Abdel, A.Y., Weil, M.T., George O. (2014) Nicotine vapor inhalation escalates nicotine self-administration. *Addiction Biology* 19:587-92.
9. 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. (2014) Alcohol modulation of MMP and TIMP expression in the heart favors collagen accumulation. *Alcoholism: Clinical and Experimental Research* 38:448-56.
10. Vargas, W.M., Bengston, L., **Gilpin, N.W.**, Whitcomb, B.W., Richardson, H.N. (2014) Alcohol binge drinking during adolescence or dependence during adulthood reduces prefrontal myelin in male rats. *Journal of Neuroscience* 34:14777-82.
    * 1. Featured Article in *Journal of Neuroscience*.
      2. Press release by UMass-Amherst published in:
         1. *Science Daily*: online October 28, 2014; retrieved from

<http://www.sciencedaily.com/releases/2014/10/141028214137.htm>

* + - 1. *New England Public Radio*: online October 30, 2014; retrieved from

<http://nepr.net/news/2014/10/30/study-binge-drinking-alters-brain-in-rats/>

1. Mayeux, J.P., Teng, X.T., Katz, P.S., **Gilpin, N.W.**, Molina, P.E. (2015) Traumatic brain injury induces neuroinflammation and neuronal degeneration that is associated with escalated alcohol self-administration in rats. *Behavioural Brain Research* 279:22-30.
2. Teng, X.T., Katz, P.S., Maxi, J.M., Mayeux, J.P., **Gilpin, N.W.**, Molina, P.E. (2015) Alcohol exposure after mild focal traumatic brain injury impairs neurological recovery and exacerbates localized neuroinflammation. *Brain Behavior & Immunity* 45:145-56*.*
3. Whitaker, A.M., **Gilpin, N.W.** (2015) Blunted hypothalamo-pituitary adrenal axis response to predator odor predicts high stress reactivity. *Physiology & Behavior* 147:16-22.
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12. Avegno, E.M., Lobell, T.D., Itoga, C.A., Baynes, B.B., Whitaker, A.M., Weera, M.M., Edwards, S., Middleton, J.W., **Gilpin, N.W.** (2018) Central amygdala circuits mediate hyperalgesia in alcohol-dependent rats. *Journal of Neuroscience* 38:7761-73.
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24. Albrechet-Souza, L., Schratz, C.L., **Gilpin, N.W.** (2020) Sex differences in traumatic stress reactivity in rats with and without a history of alcohol drinking. Biol Sex Differ 11:27 doi: 10.1186/s13293-020-00303-w.
25. Weera, M.M., Shackett, R.S., Kramer, H.M., Middleton, J.W., **Gilpin, N.W.** (2020) Central amygdala projections to lateral hypothalamus mediate avoidance behavior in rats. *J Neurosci* doi: 10.1523/JNEUROSCI.0236-20.2020. Online ahead of print.
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27. Avegno, E.A., Kasten, C.R., Snyder III, W.B., Kelley, L.K., Lobell, T.D., Templeton, T.J., Constans, M., Wills, T.A., Middleton, J.W., **Gilpin, N.W.** (2021) Alcohol dependence activates ventral tegmental area projections to central amygdala in male mice and rats. *Addiction Biology* 26:e12990.
28. Albrechet-Souza L., Nastase A.S., Hill, M.N., **Gilpin, N.W.** (2021) Amygdalar endocannabinoids are affected by predator odor stress in a sex-specific manner and modulate acoustic startle reactivity in female rats. *Neurobiology of Stress* 15:100387.
29. Jacotte-Simancas A., Middleton, J.W., Stielper, Z.F., Edwards, S., Molina, P.E., **Gilpin, N.W.** (in press) Brain Injury Effects on Neuronal Activation and Synaptic Transmission in the Basolateral Amygdala (BLA) of Adult Male and Female Wistar Rats. *Journal of Neurotrauma* https://doi.org/10.1089/neu.2021.0270.
30. Edwards, S., Callicoatte, C.N., Barratini, A.E., Cucinello-Ragland, J.A., Melain, A., Edwards, K.N., **Gilpin, N.W.**, Avegno, E.M., Pahng, A.R. (2022) Pramipexole treatment attenuates mechanical hypersensitivity in male rats experiencing chronic inflammatory pain. *Neuropharmacology*.
31. Sharfman, N.M., Kelley, L.K., Secci, M.E., **Gilpin, N.W.** (in press) Melanocortin-4 receptor signaling in the central amygdala mediates chronic inflammatory pain effects on nociception. *Neuropharmacology*.
32. Weera, M.M., Agoglia, A.E., Douglass, E., Jiang, Z., Rajamanickam, S., Shackett, R.S., Herman, M.A., Justice, N.J., **Gilpin, N.W.** (2022) Generation of a CRF1-Cre transgenic rat and the role of central amygdala CRF1 cells in nociception and anxiety-like behavior. *eLife*.

\*indicates that both authors contributed equally to the manuscript

Review Articles:

1. 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.
2. **Gilpin, N.W.**, Koob, G.F. (2008). Overview: neurobiology of alcohol dependence with a focus on motivational mechanisms. *Alcohol Research & Health,* 31:185-95.
3. **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.
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.**, Roberto, M. (2012) Neuropeptide Modulation of Central Amygdala Neuroplasticity is a Key Mediator of Alcohol Dependence. *Neuroscience and Biobehavioral Reviews* 36:873-88.
6. **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.
7. **Gilpin, N.W.** (2012) Neuropeptide Y (NPY) in the extended amygdala is recruited during the transition to alcohol dependence. *Neuropeptides* 46:253-9.
8. Whitaker, A.W., **Gilpin, N.W.**, Edwards, S.E. (2014) Animal Models of Post-Traumatic Stress Disorder and Recent Neurobiological Insights. *Behavioural Pharmacology* 25:398-409.
9. **Gilpin, N.W.**, Herman, M.A., Roberto, M. (2015) The Central Amygdala as an Integrative Hub for Anxiety and Alcohol Use Disorders. *Biological Psychiatry* 77:859-69.
10. **Gilpin, N.W.**, Weiner, J.L. (2017) Neurobiology of comorbid post-traumatic stress disorder and alcohol-use disorder. *Genes Brain & Behavior* 16:15-43.
11. Schreiber A.L., **Gilpin, N.W.** (2018) Corticotropin-Releasing Factor (CRF) Neurocircuitry and Neuropharmacology in Alcohol Drinking. *Handbook of Experimental Pharmacology*.
12. Albrechet-Souza, L., **Gilpin, N.W.** (2019) The predator odor avoidance model of post-traumatic stress disorder in rats. *Behavioural Pharmacology* 30(2,3-Special Issue):105-114.
13. Avegno, E.M., **Gilpin, N.W.** (2019) Inducing alcohol dependence in rats using chronic intermittent exposure to alcohol vapor. *Bio-protocol* 9(9): e3222. DOI: 10.21769/BioProtoc.3222.
14. Weera, M.M., **Gilpin, N.W.** (2019) Biobehavioral Interactions Between Stress and Alcohol. Alcohol Res 40:arcr.v40.1.04.
15. Edwards, S., Vendruscolo, L.F., **Gilpin, N.W.**, Wojnar, M., Witkiewitz, K., (2020) Alcohol and Pain: A Translational Review of Preclinical and Clinical Findings to Inform Future Treatment Strategies. *Alcoholism: Clinical and Experimental Research*.
16. Taffe, M.A., **Gilpin, N.W.** (2021) Racial inequity in grant funding from the US National Institutes of Health. *eLife* <https://doi.org/10.7554/eLife.65697>.
17. **Gilpin N.W.**, Calipari E.S. (2021) The critical importance of understanding comorbidities to effectively treat drug addiction. *Int Rev Neurobiol* 157:xiii-xv.
18. **Gilpin, N.W.**, Taffe, M.A. (2021) Toward an anti-racist approach to biomedical and neuroscience research. *J Neurosci* 41:8669-72.
19. **Gilpin, N.W.**, Yu, W., Kash, T.L. (2021) The forebrain-midbrain circuits & peptides involved in hyperalgesia after chronic alcohol exposure. *Alcohol Res Curr Rev* 41:13.
20. Sharfman, N., **Gilpin, N.W.** (2021) The Role of Melanocortin Plasticity in Pain-Related Outcomes after Alcohol Exposure. *Frontier Psych* 12:764720.
21. Steel, T.L., … **Gilpin, N.W.**, … Burnham, E.L. (2021) Research needs for inpatient management of severe alcohol withdrawal syndrome: An official American Thoracic Society research statement. *Am J Respir Crit Care Med* 204:e61-e87.
22. Avegno, E.M., **Gilpin, N.W.** (in press) Reciprocal midbrain-extended amygdala circuit activity in preclinical models of alcohol use and misuse. *Neuropharmacology*.
23. George, O., Ahmed, S.H., **Gilpin, N.W.** (in press) Are We Compulsively Chasing Rainbows? *Neuropsychopharmacology*.

**Books (authored):**

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

**Books (edited):**

1. **Gilpin, N.W.** (in preparation) *Neurocircuitry of Addiction*. Elsevier.

**Volumes (edited):**

1. Calipari, E.S., **Gilpin, N.W.** (ed.) (2021) Neurobiology of Addiction and Co-morbid Disorders. International Review of Neurobiology, Volume 157.

**Book Chapters:**

1. 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.
2. Roberto, M., **Gilpin, N.W.** (2014) Central amygdala neuroplasticity in alcohol dependence. Elsevier (*Neurobiology of Alcohol Dependence*, eds. Antonio Noronha, Changhai Cui, Adron Harris & John Crabbe).

**Videos, Electronic Media, and Multimedia:**

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

**Grant Review Committee:**

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

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

NIAAA Study Section ZAA1 DD (04) Special Emphasis Panel; chair 2013

NIAAA Study Section AA-4 Neuroscience Review Subcommittee; ad hoc 2014

NIAAA Study Section ZAA1 DD (04) Special Emphasis Panel; ad hoc 2014

CSR Study Section; Neurotoxicology of Alcohol (NAL); ad hoc 2015

NIAAA Study Section ZAA1 CC (01); Consortium review; ad hoc 2015

NIAAA Study Section ZAA1 DD (05) Special Emphasis Panel; chair 2015 (June)

NIAAA Study Section ZAA1 DD (05) Special Emphasis Panel; ad hoc 2015 (Nov)

NIAAA Study Section ZAA1 JJ (08) Special Emphasis Panel; member 2016

CSR Study Section; Neurotoxicology of Alcohol (NAL); standing member 2016-2021

NIAAA Study Section ZAA1 CC (51); Center review; ad hoc 2018

NIAAA Study Section AA-4 Neuroscience Review Subcommittee; ad hoc 2018

NIAAA Study Section AA-4 Neuroscience Review Subcommittee; ad hoc 2019

V.A. Neurobiology A (NURA) Grant Review Committee; standing member 2021-2025

**Organized & Chaired Scientific Meetings:**

National:

1. Nat’l. Hispanic Science Network (NHSN) Mtg.; Co-Chair 2012
2. D’Angelo Workshop on Mental Health; Founder & Organizer & Chair 2020
3. Gordon Research Conference (GRC) on Alcohol in CNS; Vice Chair 2020
4. Stay Connected Post-doc Virtual Seminar Series; Co-organizer 2020
5. Gordon Research Conference (GRC) on Alcohol in CNS; Chair 2022

International:

1. Intl. Drug Abuse Res. Soc. (IDARS) Mtg.; Morocco; Co-chair 2019
2. Intl. Drug Abuse Res. Soc. (IDARS) Mtg.; France; Co-chair 2022

**Organized & Chaired Symposia:**

National:

1. *Neuropharmacology of excessive alcohol drinking in rodent models*. RSA meeting in San Diego, CA, 2009. Role: Organizer & Chair.
2. *Negative affective states and addiction*. NHSN meeting in Miami, FL, 2011. Role: Organizer & Chair.
3. *Vulnerability factors for excessive alcohol drinking and alcohol-related behavioral dysregulation*. RSA meeting in Atlanta, GA, 2011. Role: Organizer & Chair.
4. *The translational intersection of depression and addiction*. NHSN meeting in San Antonio, TX, 2015. Role: Co-organizer & Co-chair.
5. *Corticotropin releasing factor: Novel molecular, cellular and system roles*. SfN meeting in Chicago, IL, 2015. Role: Mini-symposium co-chair.
6. *Brain reward and brain stress system cross-talk in alcohol addiction.* Research Society on Alcoholism (RSA) meeting in San Diego, CA, 2018. Organizer & Chair.
7. *Ventral Tegmental Area (VTA) Cell Heterogeneity in Health & Disease*. Mini-symposium at Society for Neuroscience (SFN) meeting in Chicago, IL, 2019. Organizer & Chair.
8. *Intersectional Neurobiology of Pain, Addiction & Negative Affect*. Symposium at American College on Neuropsychopharmacology (ACNP) meeting in Orlando, FL, 2019. Organizer & Chair.
9. *Viewing developmental plasticity and sensitivity to alcohol through a lifespan lens.* Research Society on Alcoholism (RSA) meeting, Virtual, 2021. Co-organizer & Co-chair.
10. *Age and sex effects on alcohol use disorder and pain interactions.* Research Society on Alcoholism (RSA) meeting, Orlando, FL, 2022. Co-organizer & Co-chair.

International:

1. *Post-traumatic stress disorder & alcohol dependence*. Alcoholism & Stress Meeting in Volterra, Italy, 2011. Role: Organizer & Chair.
2. *Alcohol-induced plasticity in brain NPY systems*. International NPY-PPY-PP Meeting, Montreal, Canada, 2012. Role: Organizer & Chair.
3. *Nicotine reinforcement & dependence: Neuroadaptations in “stop” & “go” signals.* IBNS meeting in Dublin, Ireland, 2013. Role: Organizer & Chair.
4. *Brain reward and stress systems in excessive alcohol drinking*. Alcoholism & Stress Meeting in Volterra, Italy, 2014. Role: Organizer & Chair.
5. *Chronic alcohol effects on brain reward, stress & cognition systems: Mouse to monkey to man*. ISBRA meeting in Berlin, Germany, 2016. Role: Organizer & Chair.
6. *Chronic alcohol induces plasticity in striatal and limbic circuits*. International Society on Biomedical Research on Alcohol (ISBRA), Kyoto, Japan, 2018. Organizer & Chair.

**Scientific Presentations:**

National:

1. *Neuropeptide Y reduces oral ethanol intake in alcohol-preferring (P) rats following a period of imposed ethanol abstinence*. Presented at RSA meeting in Fort Lauderdale, FL, 2003.
2. *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 RSA meeting in Vancouver, Canada, 2004.
3. *Dose-dependent effects of neuropeptide Y (NPY) on ethanol intake in alcohol-preferring (P) rats following multiple periods of imposed ethanol abstinence*. Presented at RSA meeting in Vancouver, Canada, 2004.
4. *Suppression of ethanol intake by neuropeptide Y (NPY) in Wistar rats depends on intermittence of prior ethanol exposure*. Presented at RSA meeting in Baltimore, Maryland, 2006.
5. *Behavioral and pharmacological validation of two models of pathological alcohol drinking*. Presented at Winter Conference on Brain Research, Snowbird, Utah, 2008.
6. *Role of neuropeptide Y (NPY) in the transition to alcohol dependence*. Presented at RSA meeting in San Diego, CA, 2009.
7. *An animal model of post-traumatic stress disorder & alcohol-related behaviors*. Presented at NHSN meeting in Miami, FL, 2011.
8. *A new animal model of PTSD and alcohol drinking: Effects of predator stress and conditioned stimuli on operant alcohol self-administration*. Presented at RSA meeting in Atlanta, GA, 2011.
9. *Exposure to traumatic stress in rats differentially affects alcohol drinking and neuronal ERK phosphorylation.* Presented in nanosymposium at SfN meeting in New Orleans, LA, 2012.
10. *Nicotine-dependent rats exhibit increases in alcohol self-administration and altered sensitivity to varenicline.* Presented at CPDD meeting in Palm Springs, CA, 2012.
11. *Nicotine vapor inhalation escalates nicotine self-administration.* Presented in symposium at CPDD meeting in San Diego, CA, 2013.
12. *Traumatic brain injury increases alcohol drinking and promotes neuroinflammation in rats*. Presented at Society of Neuroimmune Pharmacology (SNIP) meeting in New Orleans, LA, 2014.
13. *High traumatic stress reactivity escalates alcohol drinking and recruits CRF in prefrontal-amygdala circuitry.* Presented at RSA meeting in Bellevue, WA, 2014.
14. *Amygdalar CRF mediates stress effects on nociception and alcohol drinking*. Presented in mini-symposium at SfN meeting in Chicago, IL, 2015.
15. *Central Amygdala Regulation of Alcohol Withdrawal Hyperalgesia*. Presented at Gordon Research Conference (GRC) on Amygdala in Easton, MA, 2017.
16. *Amygdala endocannabinoids in alcohol withdrawal and traumatic stress induced escalation of alcohol drinking*. Presented in the NIDA-NIAAA satellite symposium preceding the Society for Neuroscience meeting in Washington, D.C., 2017.
17. *Traumatic Stress Reactivity and Neural Mediators of Alcohol Drinking*. Presented at the Gordon Research Conference (GRC) on Alcohol & the Nervous System in Galveston, TX, 2018.
18. *Amygdala CRF Regulation of Traumatic Stress Effects on Behavior*. Presented at the National Hispanic Science Network (NHSN) meeting in New Orleans, LA, 2019.
19. *Neurobiological mediators of hyperalgesia after chronic alcohol & chronic morphine*. Presented at the American College on Neuropsychopharmacology (ACNP) meeting in Orlando, FL, 2019.
20. *Racial inequities in federal funding for biomedical research.* Presented at American Chemical Society (ACS) meeting, Virtual, April 2021.
21. *How can we better support black and other under-represented scientists?* Study group member at American College on Neuropsychopharmacology (ACNP) meeting in San Juan, Puerto Rico, 2021.

International:

1. *A convergent pathway in the amygdala for brain stress peptides in alcohol dependence*. Presented at IDARS meeting in Seoul, South Korea, 2009.
2. *Extending the utility of alcohol vapor dependence procedures*. Presented at ISBRA meeting in Paris, France, 2010.
3. *Neuropeptide Y suppresses alcohol drinking by decreasing inhibitory neurotransmission in central amygdala*. Presented at IDARS meeting in Rio de Janeiro, Brazil, 2010.
4. *A new animal model of post-traumatic stress disorder & alcohol dependence*. Presented at Alcoholism & Stress Meeting in Volterra, Italy, 2011.
5. *Alcohol dependence recruits neuropeptide Y (NPY) systems in extended amygdala*. Presented at ISBRA meeting in Sapporo, Japan, 2012.
6. *Neuropeptide Y in the extended amygdala of alcohol-dependent rats*. Presented at the International NPY-PPY-PP Meeting, Montreal, Canada, 2012.
7. *Nicotine vapor escalates nicotine self-administration & alters nAchR profiles.* Presented at IBNS meeting in Dublin, Ireland, 2013.
8. *High traumatic stress reactivity promotes alcohol drinking and recruits cortico-amygdalar circuitry.* Presented at IDARS meeting in Mexico City, Mexico, 2013.
9. *Individual differences in stress-induced behavioral dysregulation mediated by corticotropin-releasing factor (CRF) in central amygdala (CeA).* Presented at Alcoholism & Stress Meeting in Volterra, Italy, 2014.
10. *Traumatic stress increases nociception & alcohol drinking: A role for corticotropin-releasing factor (CRF) signaling in the central amygdala (CeA)*. Presented at IDARS meeting in Sydney, Australia, 2015.
11. *Central amygdala mediates hyperalgesia associated with traumatic stress & alcohol dependence*. Presented at ISBRA meeting in Berlin, Germany, 2016.
12. *Traumatic stress effects on brain CRFR1 signaling, nociception & alcohol drinking.* Presented at Stress & Alcoholism meeting in Volterra, Italy, 2017.
13. *The central amygdala is a hub for alcohol dependence, stress reactivity & pain.* Presented at the Zardi-Gori scientific meeting titled “Alcohol Use Disorder: from Bench to Bedside” in Milan, Italy, 2017.
14. *The role of brain CRF-CRFR1 signaling in stress-alcohol interactions*. Presented at the Winter Conference on Brain Research in Whistler, Canada, 2018.
15. *Stress alters amygdala signaling & alcohol drinking*. Presented at the Neurobiology of Stress Meeting in Banff, Canada, 2018.
16. *Central amygdala circuits mediate hyperalgesia in alcohol-dependent rats.* Presented at ISBRA meeting in Kyoto, Japan, 2018.
17. *Traumatic stress effects on brain & behavior*. Presented at PUCRS event on Early Life Stress & Addiction, Porto Alegre, Brazil, September 2019.

**Invited Presentations and Seminars:**

Local (not including talks on the LSUHSC campus):

1. *At the intersection of stress & alcohol use disorders*. Invited talk at Tulane University, Neuroscience Department, New Orleans, LA, November 2011.
2. *Stress & stress response affects alcohol-related behavior*. Invited talk at Tulane University, Physiology Department, New Orleans, LA, April 2012.
3. *Traumatic stress reactivity facilitates excessive alcohol drinking and prefrontal cortex-amygdala synchronicity*. Invited talk at Southeastern Louisiana University, Biology Department, Hammond, LA, November 2012.

National:

1. *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.
2. *At the intersection of stress & alcohol use disorders*. Invited talk at National Institute of Alcoholism & Alcohol Abuse, Bethesda, MD, February 2012.
3. *Amygdalar CRF in stress-induced escalation of alcohol drinking & hyperalgesia.* Invited talk in NIAAA-sponsored satellite symposium at Society for Neuroscience 2014 meeting in Washington, D.C., November 2014.
4. *Amygdalar CRF mediates individual differences in stress-induced avoidance and hyperalgesia*. Invited talk at University of North Carolina, Psychology Department, Chapel Hill, NC, November 2015.
5. *Amygdalar CRF mediates individual differences in stress-induced avoidance and hyperalgesia*. Invited talk at University of Texas Medical School, Institute of Molecular Medicine, Houston, TX, May 2016.
6. *Amygdala mediates hyperalgesia associated with stress and alcohol dependence*. Invited talk in 5th Purdue Symposium on Psychological Sciences titled “Emotion Dysregulation: Consequences and Mechanisms,” Purdue University, West Lafayette, IN, May 2016.
7. *Amygdalar CRF signaling mediates stress-induced hyperalgesia*. Invited talk at Washington State University, Alcohol and Drug Abuse Research Program, Pullman, WA, September 2016.
8. *CRF signaling mediates stress-induced behavioral dysregulation*. Invited talk at Medical University of South Carolina, Alcohol Research Center, Charleston, SC, October 2016.
9. *Central amygdala mediates alcohol dependence-induced hyperalgesia*. Invited talk at Vanderbilt University, Alcohol Research Center, Nashville, TN, October 2017.
10. *Traumatic stress alters brain CRF signaling & alcohol drinking.* Invited talk at Marquette University, Milwaukee, WI, October 2018.
11. *Central amygdala mediates alcohol dependence-induced hyperalgesia*. Invited talk at Texas A&M University, College Station, TX, October 2018.
12. *Central amygdala is a hub for alcohol dependence*. Invited talk at University of Maryland, Baltimore, MD, March 2019.
13. *Amygdala CRF regulation of traumatic stress effects on behavior*. Invited talk at University of Tennessee, Memphis, TN, October 2019.
14. *Central amygdala is a hub for alcohol dependence*. Invited talk at Indiana University, Indianapolis, IN, January 2020.
15. *Central amygdala is a hub for alcohol dependence*. Invited talk at University of Louisville, Louisville, KY, January 2020.
16. *Central amygdala is a hub for alcohol dependence*. Invited talk at Rutgers University, New Brunswick, NJ, February 2020.
17. *Racial inequities in federal funding for biomedical research.* Invited talk at University of North Texas (virtual), November 2020.
18. *Racial inequities in federal funding for biomedical research.* Invited talk at Washington University (virtual), December 2020.
19. *Racial inequities in federal funding for biomedical research.* Invited talk at Northeastern University, Psychology (virtual), January 2021.
20. *Racial inequities in federal funding for biomedical research.* Invited talk at Northeastern University, Chemistry (virtual), February 2021.
21. *Central amygdala mediates alcohol withdrawal hyperalgesia.* Invited talk at University of Florida Center for Addiction Research and Education, March 2021.
22. *Amygdala is a hub for traumatic stress effects on behavior.* Invited talk at University of Georgia Psychology Department, April 2021.
23. *Racial inequities in federal funding for biomedical research.* Invited talk at University of North Carolina Bowles Alcohol Center, May 2021.
24. *Using vaporized drug delivery to explore addiction mechanisms in animal models.* Invited talk at LSU Baton Rouge, November 2021.
25. *The amygdala is a hub for traumatic stress effects on behavior*. Invited talk at University of Texas at Austin, November 2021.

International:

1. *Amygdalar CRF mediates individual differences in stress-induced avoidance and hyperalgesia*. Invited talk at University of Calgary, Calgary, Alberta, Canada, June 2016.
2. *Traumatic stress effects on brain & behavior*. Invited talk at Universidade do Sao Paulo, Sao Paulo, Brazil, September 2019.
3. *Traumatic stress effects on brain & behavior*. Invited talk at Pontificia Universidade Católica do Rio Grande do Sul, Porto Alegre, Brazil, October 2019.
4. *Central amygdala is a hub for alcohol dependence*. Invited talk at Pontificia Universidade Católica do Rio Grande do Sul, Porto Alegre, Brazil, October 2019.

**Invited Keynote Talks:**

1. *Central amygdala is a hub for alcohol dependence*. Keynote talk for the 2020 Latin American Society for Biomedical Research on Alcoholism (LASBRA) meeting in Sao Paulo, Brazil, December 2020 (talk delivered via Zoom).

**Editorial Posts and Activities:**

**Journal Editorial Appointments:**

Neuropharmacology (Editorial Board member) 2016-

F1000 Faculty (member; Neuropharm. & Psychopharm. Section) 2018-

Alcohol (Editorial Board member) 2020-

Advances in Drug and Alcohol Research (Associate Editor) 2021-

**Special Issues Journal Editor:**

Editor of special issue for *Frontiers in Addictive Disorders* 2013

Title: Brain Reward and Stress Systems in Addiction  
Issue can be accessed at: <http://journal.frontiersin.org/ResearchTopic/1039>

Co-editor of special issue for *Neuropharmacology* 2020

Title: Neuropeptides

Co-editor of special issue for *Int’l. Review of Neurobiology* 2020

Title: Neurobiology of Addiction and Co-Morbid Disorders

**Reviewer Status** (alphabetical):

Addiction Biology, Alcohol, Alcoholism: Clinical & Experimental Research, Behavioural Brain Research, Behavioural Pharmacology, Biological Psychiatry, BMC Neuroscience, Brain Research, British Journal of Pharmacology, Cellular & Molecular Neurobiology, Drug & Alcohol Dependence, eLife, eNeuro, European Journal of Neuroscience, European Neuropsychopharmacology, Frontiers Journals (various), Genes Brain & Behavior, International Journal of Developmental Neuroscience, International Journal of Neuropsychopharmacology, Journal of Addiction Medicine, Journal of Drug & Alcohol Research, Journal of Neuroendocrinology, Journal of Neuroscience, Molecular Neurobiology, Molecular Psychiatry, Neurobiology of Stress, Neuropeptides, Neuropharmacology, Neuropsychopharmacology, Neuroscience Letters, Nicotine & Tobacco Research, Pain, Peptides, Pharmacology Biochemistry & Behavior, Physiology & Behavior, Progress in Neuropsychopharmacology & Biological Psychiatry, Psychoneuroendocrinology, Psychopharmacology, Regulatory Peptides, Toxicology & Applied Pharmacology

**SERVICE ACTIVITIES**

**University/Institutional Service:**

**Departmental committees**

Faculty Search Committee, Physiology, Member 2011-13, 2016-

Research Development Work-In-Progress, Physiology, Co-Chair 2012-2013

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

Faculty Professional Development Program, Physiology, Director 2016-present

**LSU School of Medicine (SOM) committees**

Judge for Graduate Student Research Day 2011, 2014

Alcohol & Drug Abuse Center of Excellence, steering member 2012-present

Judge for Medical Student Research Day 2014

Alcohol & Drug Abuse Center of Excellence, Associate Director 2015-present

Research Enhancement Fund Grant Review Committee, member 2015-present

Faculty Guidance and Mentoring Committee , member 2015-present

Extramural Grant Proposal Review Committee, member 2019-present

M.D./Ph.D. student interview committee, member 2019-present

**LSU School of Dentistry (SOD) committees**

Academic Performance Advancement Committee, member 2020-present

**LSUHSC committees**

LSU Strategic Plan, Research & Core Facilities Group, member 2013

LSUHSC-NO Information Technology (IT) Committee, member 2017-present

**V.A. Service:**

**SLVHCS committees**

Research & Development Committee (RDC), Member 2018-present

*Ad Hoc* Research VA Proposal Development Committee, Member 2018-present

SLVHCS Research Equipment Committee, Member 2018-present

SLVHCS Research Facility Activation Committee, Member 2018-2020

**Professional society committees**

Research Society on Alcoholism (RSA)

Program Committee for RSA Meeting, member 2013

Education Committee, member 2017-2020

Board of Directors, member 2017-2021

Diversity Committee, member 2021-

National Hispanic Science Network (NHSN)

Planning Committee for NHSN Meeting, member 2013, 2015

Planning Committee for NHSN Meeting, co-chair 2012

Early Career Leadership Committee Core Group, member 2012-2014

American College of Neuropsychopharmacology (ACNP)

Education & Training Committee, ad hoc member 2014

Education & Training Committee, standing member 2015-2017

Publications Committee, standing member 2018-2021

Membership Committee, standing member 2022-

International Drug Abuse Research Society (IDARS)

Organizing Committee for IDARS meeting, member 2017-2019

**Community Service Activities:**

LSUHSC Comprehensive Alcohol Research Center (CARC) 2014-2016

Information Dissemination Core; Role: Director (PI)

Founder & Administrator of *Racial Equity in Science* Slack Forum 2020-