

CURRICULUM VITAE

Nicholas W. Gilpin

Current Title:	Professor	
Business Address:	Department of Physiology, Room 609 533 Bolivar Street New Orleans, LA 70112	
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Business email Address:	ngilpi@lsuhsc.edu	
Citizenship:	U.S.A.	
Education:		
Undergraduate	University of Texas at Austin B.A. in Psychology B.A. in Spanish Language	1996-2000
Graduate/Medical	Purdue University Ph.D. in Psychology	2001-2005
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		2015-2023
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-
Co-Director, Alcohol & Drug Abuse Ctr. of Excellence, LSUHSC		2023-
Director, Alcohol & Drug Abuse Ctr. of Excellence, LSUHSC		2025-
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		2019-2024
American Coll. of Neuropsychopharmacology (ACNP), Fellow		2024-
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
<i>Awarded by the White House Office of Science & Technology to 102 scientists and engineers in the early stages of their independent research careers</i>	
Elected Co-Chair of Gordon Research Conference on Alcohol & CNS	2018
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
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Co-Instructor/Lecturer:

LSU Health Sciences Center

Human Physiology (D.D.S.; DENT 1115)	2011-present
Synaptic Organization of Behavior (Ph.D.; ANAT 264)	2014
Molecular Neurobiology (Ph.D.; NEURO 250)	2014
Modern Breakthroughs in Biomedical Sciences (Ph.D.)	2014
Dental Grand Rounds mentor (D.D.S.; DENT 4112)	2017-2019
Experimental Design & Analysis (M.D., PHYSIO 110)	2023-present

Undergraduate Teaching

Course Director:

San Diego State University

Statistical Methods in Psychology (PSY 270)	2008
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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 & Fellows & Students Trained:

Junior faculty:

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|---------------------------------|-----------|
| 1. Lucas Albrechet-Souza, Ph.D. | 2018-2021 |
| 2. Elizabeth Avegno, Ph.D. | 2018- |
| • Mentor on K01 from NIAAA | |
| 3. Michael Salling, Ph.D. | 2019-2022 |
| • Mentor on R00 from NIAAA | |
| 4. Sydney Vita, Ph.D. | 2024- |
| • Mentor on K01 from NIAAA | |
| 5. Amanda Pahng, Ph.D. | 2020- |
| • Mentor on VA CDA-2 Award | |

Post-Doctoral Fellows:

LSU Health Sciences Center

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| 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 | |
| • Promoted to Instructor in 2018 | |
| 6. Udit 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. | 2017-2023 |
| • Mentor on F32 from NIAAA | |
| • Mentor on K99/R00 from NIAAA | |
| 9. Lucas Albrechet-Souza, Ph.D. | 2018 |
| • Promoted to Instructor in 2018 | |
| 10. Christian Montanari, Ph.D. | 2019-2022 |
| 11. Alejandra Jacotte, Ph.D. | 2019-2024 |
| 12. Maria Secci, Ph.D. | 2019- |
| • In the role of Senior Staff Scientist | |
| 13. Amanda Pahng, Ph.D. | 2020-2025 |
| • Mentor on CDA-2 Award from V.A. | |
| 14. Sydney Vita, Ph.D. | 2020-2024 |
| • Mentor on F32 from NIAAA | |
| • Promoted to Assistant Professor in 2024 | |
| 15. Andrea Jones, Ph.D. | 2021-2025 |
| • Promoted to Senior Staff Scientist in 2024 | |
| 16. Sheila Engi, Ph.D. (co-mentor) | 2021-2024 |
| 17. Marcus Brown, Ph.D. (co-mentor) | 2021-2022 |
| 18. Lisa Wilson, Ph.D. (co-mentor) | 2022-2025 |
| • Co-mentor on F32 from NIAAA | |
| 19. Ilse Pamela Alonso, Ph.D. | 2023- |
| 20. Thomas Kylo, Ph.D. (co-mentor) | 2024- |
| 21. Xavier Chapa-Dubocq, Ph.D. | 2025- |
| • Mentor on CDA-2 Award from V.A. | |

Graduate Students

LSU Health Sciences Center

Major Professor

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| 1. Brittini 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 |
| • Mentor on F30 from NIAAA | |
| 6. Taylor Templeton; Physiology; chair Ph.D. committee | 2018-2023 |

Dissertation Committee (member)

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|---|-----------|
| 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. Mohammed Farooq; Ph.D., LSUHSC Cell Biology | 2018-2022 |
| 9. Eleanor Holmgren; Ph.D., LSUHSC Cell Biology | 2020-2023 |
| 10. Jessica Cucinello; Ph.D., LSUHSC Physiology | 2020-2023 |
| • Co-mentor on F31 from NIAAA | |
| 11. Hernan Mejia-Gomez; Ph.D., LSUHSC Cell Biology | 2022-2026 |
| 12. Sumin (Stephanie) Lee; Ph.D., LSUHSC Physiology | 2023-2026 |
| • Co-mentor on F30 from NIAAA | |
| 13. Linh Ha; Ph.D., LSUHSC Cell Biology | 2026- |

Other universities

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| 1. Xin Fu; Ph.D., Tulane Neuroscience | 2016-2021 |
| 2. Dennis Parker Kelley; Ph.D., LSU Comp. Biomed. Sci. | 2017-2020 |
| 3. Matthew Watson; Ph.D., Tulane Neuroscience | 2020-2026 |
| 4. Eliza Douglass Ph.D., University of Maryland | 2024- |

Medical Students

Summer Research Rotations

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|---------------------|------|
| 1. Madelyn Weil | 2012 |
| 2. Abdelrahim Abdel | 2012 |

Foreign Research Interns

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| 1. Pauline Estival | 2015 |
| Pharmacy student at Université d'Auvergne, France | |
| 2. Tomasz Bielwaski | 2019 |
| Ph.D. student at Wroclaw Medical University, Poland | |

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Active

1R01AA023305 (NCE) 2014-2026
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

1R01AA032025 2026-2031
NIH/NIAAA
Reducing alcohol drinking with a nonmuscle myosin II small molecule in development
This study tests a first-in-class compound for its ability to reduce excessive alcohol drinking in the context of alcohol dependence.
Role: MPI (with Courtney Miller at U. of Florida)

1R21DA062847 2025-2027
NIH/NIDA
Validation of a rat model of co-morbid cocaine and alcohol use
This study establishes and validates a model of co-morbid smoked cocaine and alcohol use.
Role: PI

2R13AA028237 2025-2030
NIH/NIAAA
Travel Support for the International Drug and Alcohol Research Society (IDARS) Meeting
This project funds the travel of junior investigators to bi-annual IDARS scientific meetings.
Role: PI

1R01AA030619 (PI: Michael Salling) 2023-2028
NIH/NIAAA
ADHD and the influence of adolescent alcohol consumption on cognition and behavior
This study examines neural mechanisms that promote excessive alcohol use in individuals with ADHD and explores potential treatment strategies for that population.
Role: Co-I

1K01AA028541 (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

1K01AA031516 (PI: Sydney Vita) 2024-2029
NIH/NIAAA
Adolescent alcohol exposure exacerbates rmTBI associated BBB disruption and dementia risk
This project tests the combined effects of brain injury and adolescent alcohol exposure on blood brain permeability and dementia-related outcomes.

Role: Mentor

1F30AA031900 (PI: Sumin Lee) 2024-2029
NIH/NIAAA
Alcohol-Cannabinoid System Interactions in the Context of Pain and AUD
This project tests the effects of cannabinoid drugs on pain-related outcomes in animals and humans with chronic high-dose alcohol histories.
Role: Co-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

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

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

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)

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

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: MPI (with Melissa Herman and Nick Justice)

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

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

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

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

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)

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)

1IK2BX004334-01 (PI: Amanda Pahng) 2020-2025
Department of Veteran Affairs
The Role of Mesoaccumbens Dopamine in Pain and Prescription Opioid Addiction
The goal of this project is to examine overlapping brain biochemical mechanisms of chronic pain and opioid dependence.
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

1R21AA028727-01A1 (NCE) NIH/NIAAA Preventing Alcohol Seeking with a Nonmuscle Myosin II Inhibitor under Clinical Development <i>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.</i> Role: MPI (with Courtney Miller)	2021-2023
1F30AA028691-01A1 (PI: Nathan Sharfman) NIH/NIAAA Amygdala Modulation of Adolescent Alcohol Effects on Pain <i>This project tests the role of amygdala neuropeptide & glutamate systems in hyperalgesia that results from adolescent alcohol exposure.</i> Role: Mentor	2021-2026
1K99AA029726-01A1 (PI: Marcus Weera) NIH/NIAAA Lateral Hypothalamus Circuits in Stress-Induced Blunting of Alcohol Aversion & Escalation of Alcohol Self-Administration <i>This project tests the role of specific cells and circuits in stress effects on the aversive properties of alcohol and on alcohol drinking.</i> Role: Mentor	2022-2027
1F32AA031198 (PI: Lisa Wilson) NIH/NIAAA Adolescent opioid exposure effects on alcohol-induced hyperalgesia in adult mice <i>This project tests the combined effects of adolescent oxycodone and adult alcohol exposures on hyperalgesia and amygdala function.</i> Role: Co-mentor	2024-2025
1I01BX003451 Department of Veteran Affairs Targeting Melanocortin-4 Receptors to Reduce Pain in U.S. Veterans <i>The goal of this project is to test the role of brain melanocortin signaling in mediating hyperalgesia associated with chronic inflammatory pain.</i> Role: PI	2017-2025

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. doi: 10.1097/01.ALC.0000065723.93234.1D.
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. doi: 10.1097/01.alc.0000141813.27875.d5.
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. doi: 10.1016/j.pbb.2004.02.012.
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. doi: 10.1016/j.pbb.2005.05.010.
 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. doi: 10.1016/j.alcohol.2008.07.001.
 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. doi: 10.1007/s10519-008-9224-1.
 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. doi: 10.1111/j.1530-0277.2008.00745.x.
 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. doi: 10.1111/j.1530-0277.2008.00678.x.
 9. Roberto, M., **Gilpin, N.W.**, O'Dell, L.E., Morse, A.C., Siggins, G.R., Koob, G.F. (2008). Cellular and behavioral interactions of gabapentin with alcohol dependence. *Journal of Neuroscience* 28:5762-71. doi: 10.1523/JNEUROSCI.0575-08.2008.
 - 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*.
 10. **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. doi: 10.1016/j.pbb.2008.04.005.
 11. **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. doi: 10.1016/j.pbb.2008.04.006.
 12. 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. doi: 10.1097/FBP.0b013e3282f3cf70.
 13. **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. doi: 10.1111/j.1530-0277.2009.01051.x.
 14. **Gilpin, N.W.**, Koob, G.F. (2010) Effects of β -adrenoceptor antagonists on alcohol drinking by alcohol-dependent rats. *Psychopharmacology* 212:431-9. doi: 10.1007/s00213-010-1967-8.
 15. 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. doi:

- 10.1016/j.biopsych.2009.11.007.
- 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>
16. **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. doi: 10.1016/j.pbb.2011.05.006.
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 18. **Gilpin, N.W.**, Taffe, M.A. (2021) Toward an anti-racist approach to biomedical and neuroscience research. *J Neurosci* 41:8669-72. doi: 10.1523/JNEUROSCI.1319-21.2021.
 19. **Gilpin, N.W.**, Yu., W., Kash, T.L. (2021) Forebrain-midbrain circuits & peptides involved in hyperalgesia after chronic alcohol exposure. *Alcohol Res Curr Rev* 41:13. doi: 10.35946/arcr.v41.1.13.
 20. Sharfman, N., **Gilpin, N.W.** (2021) The Role of Melanocortin Plasticity in Pain-Related Outcomes after Alcohol Exposure. *Frontier Psych* 12:764720. doi: 10.3389/fpsy.2021.764720.
 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. doi: 10.1164/rccm.202108-1845ST.
 22. Avegno, E.M., **Gilpin, N.W.** (2022) Reciprocal midbrain-extended amygdala circuit activity in preclinical models of alcohol use and misuse. *Neuropharmacology* 202:108856. doi: 10.1016/j.neuropharm.2021.108856.
 23. George, O., Ahmed, S.H., **Gilpin, N.W.** (2022) Are We Compulsively Chasing Rainbows? *Neuropsychopharmacology* 47:2013-15.
 24. Secci, M.E., Reed, T., Quinlan, V., **Gilpin, N.W.**, Avegno, E.M. (2022) Quantitative analysis of gene expression in RNAscope-processed brain tissue. *Bio-protocol* 13:e4580. doi: 10.21769/BioProtoc.4580.
 25. Weera, M., **Gilpin, N.W.** (2023) Central amygdala CRF1 cells control nociception and anxiety-like behavior. *Neuropsychopharmacology* 49:341-2.
 26. **Gilpin, N.W.** (2025) The NIH is a sound investment for the US taxpayer. *eLife* 14:e106710.
 27. **Gilpin, N.W.**, Molina, P.E. (2026) Alcohol use disorder is a chronic disease. *Alcoholism: Clinical and Experimental Research* 50(1):e70230.
 28. Joffe, M.E., Ferguson, S.M., **Gilpin, N.W.**, Herman, M.A., Knackstedt, L.A., Randall, P.A., Schindler, A.G., Torregrossa, M.M., Rinker, J.A. (2026) The need to incorporate

polysubstance use in neuropsychopharmacology research: biological lessons and new opportunities. *Addiction Neuroscience* 18:100246.

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.** (2023) *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).
3. Molina, P.E., Stielper, Z.S., Edwards, S., **Gilpin, N.W.** (2022) Role of endocannabinoids in the escalation of alcohol use following traumatic brain injury. Elsevier (*Cellular, Molecular, Physiological, and Behavioral Aspects of Traumatic Brain Injury*, eds. R. Rajendram, V.R. Preedy, C.R. Martin).

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
CSR Study Section; Neurobiology of Pain and Itch (NPI), Ad hoc 2024
CSR Study Section; ZDA1 SKM-N (J1) R, Special Emphasis Panel, Chair 2024
CSR Study Section; ZRG1 ICN-L (94) S, Special Emphasis Panel, Chair 2025
CSR Study Section, Mol. & Cell. Neuropharmacology (MCNP); ad hoc 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
6. Polysubstance Use: From bench to Communities; Organizer & Chair 2025

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
3. Intl. Drug Abuse Res. Soc. (IDARS) Mtg.; Brazil; Co-chair 2024

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.
11. *Animal Models: Novel Developments and Applications*. Gordon Research Conference (GRC) in Neurobiology of Drug Addiction, Newry, ME, 2024. Discussion Leader.
12. *Minor Cannabinoids for the Treatment of Chronic Pain: From Mouse to Man*. Presented at the U.S. Association for the Study of Pain in Chicago, IL, 2025.
13. *Pain Mechanisms in the Amygdala*. Gordon Research Conference (GRC) for Amygdala Function in Emotion, Cognition and Disease, Barcelona, Spain, 2025. Discussion Leader.

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.
 7. *Pharmacology and Neural Mechanisms of Comorbid Pain and Drug Use*. European Behavioral Pharmacology Society (EBPS), Almeria, Spain, 2025. 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.
22. *TBI and Alcohol effects on brain & behavior*. Presented Gordon Research Conference on Alcohol-Induced End Organ Damage in Ventura, CA, 2023.
23. *THC vapor inhalation effects on CFA-related pain outcomes and PAG plasticity in male and female rats*. Presented at the U.S. Association for the Study of Pain in Durham, NC, 2023.
24. *Navigating Restrictive legislation: Ethical and Practical Considerations for Conducting Unbiased Neuropharmacological Research*. Study group member at American College on Neuropsychopharmacology (ACNP) meeting in Tampa, FL, 2023.
25. *The central amygdala mediates alcohol withdrawal hyperalgesia*. Research Society on Alcohol (RSA) meeting in Minneapolis, MN, 2024.
26. *Traumatic stress effects on behavior are mediated by specific central amygdala cell populations*. Research Society on Alcohol (RSA) meeting in Minneapolis, MN, 2024.
27. *Considering polysubstance use in the development of therapeutics for use disorders*. Research Society on Alcohol (RSA) meeting in New Orleans, LA, 2025.
28. *Old Dogs and New Tricks in the Search for Treatments to Reduce Escalated Alcohol Drinking after Stress*. Gordon Research Conference on Alcohol in CNS, February, 2026.

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, 2019.
 18. *Adolescent alcohol exposure leads to lasting hyperalgesia via amygdala circuit changes*. Presented at the Stress & Alcohol meeting in Volterra, Italy, 2023.
 19. *Adolescent alcohol exposure leads to lasting hyperalgesia via amygdala circuit changes*. Presented at the Gordon Research Conference on the Amygdala, Barcelona, Spain, 2023.
 20. *Chronic alcohol produces long-term hyperalgesia associated with amygdala circuit function*. Presented at the Pain Mechanisms and Therapeutics Conference, Verona, Italy, 2024.
 21. *Chronic alcohol produces hyperalgesia associated with amygdala circuit function*. Presented at the International Association for the Study of Pain (IASP) meeting, Amsterdam, Netherlands, 2024.
 22. *Vaporized cannabinoid inhalation effects on chronic inflammatory pain outcomes*. Presented at the European Behavioral Pharmacology Society (EBPS) meeting, Almeria, Spain, 2025.
 29. *Old Dogs and New Tricks in the Search for Treatments to Reduce Escalated Alcohol Drinking after Stress*. Presented at the Stress & Alcohol meeting in Volterra, Italy, 2026.
 30. *Adolescent alcohol exposure leads to lasting hyperalgesia that is mediated by central amygdala circuits*. Presented at the Pain Mechanisms and Therapeutics Conference, Verona, Italy, 2026.

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.
26. *Central amygdala mediates alcohol withdrawal hyperalgesia*. Invited talk at Texas Tech University, May 2022.
27. *Central amygdala mediates alcohol withdrawal hyperalgesia*. Invited talk at Washington University at St. Louis, May 2022.
28. *The amygdala is a hub for traumatic stress effects on behavior*. Invited talk at University of Massachusetts at Amherst, November 2022.
29. *The amygdala is a hub for traumatic stress effects on alcohol-related behaviors*. Invited talk at NIAAA, April 2023.
30. *The amygdala is a hub for traumatic stress effects on alcohol-related behaviors*. Invited talk at University of Tennessee Health Science Center, April 2023.
31. *Supra-spinal circuits modulate drug-pain interactions*. Invited talk at Northwestern University, April, 2024.
32. *Supra-spinal circuits modulate drug-pain interactions*. Invited talk at NCCIH/NIH, April, 2024.
33. *The amygdala is a hub for traumatic stress effects on alcohol-related behaviors*. Invited talk at University of Texas at Austin, March, 2025.
34. *The amygdala is a hub for traumatic stress effects on alcohol-related behaviors*. Invited talk at University of Calgary, May, 2025.
35. *Supra-spinal circuits modulate drug-pain interactions*. Invited talk at University of California Los Angeles (UCLA), May, 2025.
36. *Old Dogs and New Tricks in the Search for Treatments to Reduce Escalated Alcohol Drinking after Stress*. Invited talk at LSU Veterinary Medicine, May, 2026.

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.
5. *The amygdala is a hub for traumatic stress effects on behavior*. Invited talk at University of Aarhus, Aarhus, Denmark, May 2023.
6. *The amygdala is a hub for traumatic stress effects on behavior*. Invited talk at Universitat de Valencia, Valencia, Spain, May 2024.

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).

Community Building Presentations (beyond those listed above):

1. Co-chaired the GRC Cannabinoid Power Hour in Oxnard, CA in Fall 2020.
2. Co-chaired the GRC Amygdala Power Hour in Barcelona, Spain in Summer 2023.

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)	2021-2025
Neurobiology of Pain (Editorial Board member)	2025-

Special Issues Journal Editor:

Editor of special issue for <i>Frontiers in Addictive Disorders</i>	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 <i>Neuropharmacology</i>	2020
Title: Neuropeptides	

Co-editor of special issue for <i>Int'l. Review of Neurobiology</i>	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-
Post-Doctoral Development Committee, Physiology, Chair	2012-present
Faculty Professional Development Program, Physiology, Director	2016-present

Research Work-In-Progress, Physiology, Chair	2016-present
Departmental Promotions Committee, Physiology, Chair	2025-present

LSU School of Medicine (SOM) committees

Judge for Graduate Student Research Day	2011, 2014
Judge for Medical Student Research Day	2014
Internal Funding Review Panel, member	2015-present
Mentorship Advisory Committee, member	2015-present
M.D./Ph.D. student interview committee, member	2019

LSU School of Dentistry (SOD) committees

Academic Performance Advancement Committee, member	2020-2022
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LSUHSC School of Graduate Studies committees

Biomedical Science PhD Qualifying Exam Work Group, member	2025
Biomedical Science PhD Preliminary Exam Work Group, member	2025

LSUHSC committees

LSU Strategic Plan, Research & Core Facilities Group, member	2013
LSUHSC-NO Information Technology (IT) Committee, member	2017-present
LSUHSC Institutional Research Advisory Council	2023-present

V.A. Service:

SLVHCS committees

Research & Development Committee (RDC), Member	2018-present
<i>Ad Hoc</i> 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	2022-2024
International Drug Abuse Research Society (IDARS)	
Co-organizer of bi-annual IDARS meeting	2017-

Advisory Boards:

The Scripps Research Institute T32 External Advisory Board	2021-
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Community Service Activities:

LSUHSC Comprehensive Alcohol Research Center (CARC)	2014-2016
Information Dissemination Core; Role: Director (PI)	
Founder & Administrator of <i>Racial Equity in Science</i> Slack Forum	2020-