

CURRICULUM VITAE
Amanda R. Pahng, Ph.D.

Current Title: Instructor - Research (gratis), Department of Physiology

VA Title: Research Health Scientist

Business Address: Southeast Louisiana Veterans Health Care System
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Citizenship: The United States of America

Education:

2005-2009 **B.S. in Psychology, Minor in Statistics**
Magna Cum Laude. Phi Beta Kappa Honor Society. GPA: 3.84
The University of Georgia, Athens, GA.

2009-2015 **Ph.D. in Neuroscience**
Neuroscience Program. GPA: 3.856
Tulane University, New Orleans, LA.
Dissertation Advisor: Paul J. Colombo, Ph.D.

Academic, Professional, and Research Positions:

10/2015-5/2020 **Postdoctoral Fellow**
Department of Physiology
Mentor: Scott Edwards, Ph.D.
LSU Health New Orleans
New Orleans, LA.

5/2020-present **Research Health Scientist**
Research Service (11F)
Southeast Louisiana Veterans Health Care System
New Orleans, LA.

6/2020-present **Instructor- Research (gratis)**
Department of Physiology
LSU Health New Orleans
New Orleans, LA.

Membership in Professional Organizations:

- 2006-2009 Member, National Society of Collegiate Scholars Honor Society, The University of Georgia Chapter
- 2006-2009 Member, Sigma Alpha Lambda National Honor Society, The University of Georgia Chapter
- 2008-2009 Member, Psi Chi Honors Society in Psychology, The University of Georgia Chapter
- 2009 Member, Phi Beta Kappa Honor Society
- 2009-2016 Member, Society for Neuroscience (SFN)
- 2016-2020 Member, American Physiological Society (APS)
- 2016-2020 Member, Research Society on Alcoholism (RSA)
- 2017-present Member, Association for Women in Science (AWIS) Southern Louisiana Chapter
- 2018-2019 Treasurer, Postdoctoral Association, LSU Health New Orleans Chapter
- 2021 Member, International Association for the Study of Pain (IASP)
- 2021-present Member, Diversity, Equity, and Inclusion (DEI) Committee, Department of Physiology, LSU Health New Orleans

Awards and Honors:

- 2005-2009 HOPE Scholarship, The University of Georgia, Athens, GA.
- Fall 2006 Dean's List, The University of Georgia, Athens, GA.
- Spring 2006 Presidential Scholar, The University of Georgia, Athens, GA
- Fall 2007 Presidential Scholar, The University of Georgia, Athens, GA
- Spring 2008 Dean's List, The University of Georgia, Athens, GA.
- 2008 Neuroscience Student Association—Brain Awareness Symposium Award for the Best Undergraduate Poster, 31st Annual Convention of the Behavioral Sciences, The University of Georgia, Athens, GA.
- 2009 Graduated Magna Cum Laude, The University of Georgia, Athens, GA.

- 2009-2013 Louisiana Board of Regents Scholarship, Tulane University, New Orleans, LA.
- 2015 Jean Yocum Harlan Award for 1st Place Presentation, 16th Annual Neuroscience Retreat, Tulane University, New Orleans, LA.
- 2015 The School of Science and Engineering Research Day Award Finalist for Posters by Graduate Student or Post-Doctoral Fellow, Tulane University, New Orleans, LA
- 2015-2017 T32 Fellowship Award, NIAAA, LSU Health New Orleans, New Orleans, LA.
- 2016 Junior Investigator Award, Research Society on Alcoholism, 39th Annual Scientific Meeting. New Orleans, LA.
- 2017 NIH Travel Award, Volterra Conference, 4th International Congress on Alcoholism and Stress. Volterra, Italy.
- 2017 Junior Investigator Award, Research Society on Alcoholism, 40th Annual Scientific Meeting. Denver, CO.
- 2017 Outstanding Young Scientist Travel Award, Association for Women in Science, Southern Louisiana Chapter, New Orleans, LA.
- 2018 Central Nervous System Section Research Recognition Award for a Post-doctoral Fellow, American Physiological Society, Experimental Biology 2018 Meeting. San Diego, CA.
- 2018 Junior Investigator Award, Research Society on Alcoholism, 41th Annual Scientific Meeting. San Diego, CA.
- 2020 Career Development Award-2, Department of Veteran Affairs, Southeast Louisiana Veterans Health Care System, New Orleans, LA

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Course Responsibilities:

Fall 2013 &
Fall 2014 **Teaching Assistant**, *Psychopharmacology Laboratory*
Tulane University, New Orleans, LA.
Instructor: Thomas J. Hebert, Ph.D.
Students: Undergraduate

Spring 2014
&
Spring 2015 **Teaching Assistant**, *Behavioral Endocrinology Laboratory*
Tulane University, New Orleans, LA.
Instructor: Thomas J. Hebert, Ph.D.
Students: Undergraduate

Summer 2015 **Laboratory Instructor**, *Basic Neuroscience Laboratory*
Tulane University, New Orleans, LA.
Students: High school

Fall 2015 **Course Instructor**, *Neuroanatomy Laboratory*
Tulane University, New Orleans, LA.
Students: Undergraduate

Spring 2016 **Course Lecturer**, “Nerve Excitation”, *General and Oral Physiology*
LSU Health New Orleans, New Orleans, LA.
Instructor: Robert W. Siggins, Ph.D.
Students: Dental hygiene

Spring 2016 **Course Lecturer**, “Sensory Physiology”, *General and Oral Physiology*
LSU Health New Orleans, New Orleans, LA.
Instructor: Robert W. Siggins, Ph.D.
Students: Dental hygiene

Fall 2016-
Spring 2017 **Course Lecturer**, “Addiction”, *Nursing Pathophysiology*
LSU Health New Orleans, New Orleans, LA.
Instructor(s): Barry Potter, Ph.D, Stefany D. Primeaux, Ph.D.
Students: Nursing

Fall 2017 **Course Co-Instructor**, *Physiology of Neuronal Circuits Underlying Brain Disorders*
Lectures: “Affective Disorders”, “Alzheimer’s Disease and Cognitive Impairment”
LSU Health New Orleans, New Orleans, LA.
Director: Scott Edwards, Ph.D.
Students: Graduate

Spring 2018 **Course Lecturer**, “Endocrinology I & II”, *General and Oral Physiology*
LSU Health New Orleans, New Orleans, LA.
Instructor: Xingping Yue, Ph.D.
Students: Dental hygiene

Fall 2020 **Course Lecturer**, “Basic Mechanisms and Motivational Aspects of Pain”, *Special Topics in Physiology: Physiological Basis of Behavior*
LSU Health New Orleans, New Orleans, LA.
Instructor: Maiya Rajani, Ph.D.
Students: Graduate

Fall 2022-
present **Assistant Course Director**, *Perspectives in Alcohol Research*
LSU Health New Orleans, New Orleans, LA.
Course Director: Bobby Siggins, Ph.D.
Co-Assistant Course Director: Stefany Primeaux, Ph.D.
Students: Graduate

Additional Training Experience:

- 10/07/19-10/08/19 **Completed Certified Teaching Training Workshop**
Workshop led by Dr. Robert G. Carroll, Ph.D., Associate Dean for Medical Student Education, Professor of Physiology
Session 1: Are we really teaching adults, and if so, so what?
Session 2: How to avoid "Death by Lecture"
Session 3: Design and evaluation of multiple-choice questions
- 10/04/21 **Completed Rigor and Reproducibility Workshop**
All day workshop organized by the Gulf Coast Consortia for Quantitative Biomedical Sciences

Undergraduate, Medical, or Graduate Students Trained (2016-present):

Undergraduate Students

- 2016 Adrianna Jones (Louisiana State University)
2017 Scott Ng (University of Southern California)
2017-2018 Mackenzie Schindler (Tulane University)

Post-Baccalaureate Students

- 2019-2020 Chelsea Callicoatte (LSU Health New Orleans PREP Scholar)
2020-present Angela Barattini (Research Associate, LSU Health New Orleans)

Graduate Students

- 2016-2017 Rod Paulsen (LSU Health New Orleans Master's Program)

RESEARCH AND SCHOLARSHIP

Past Funded Grants:

- 10/15/2015-10/18/2017
Biomedical Alcohol Research Training Program
National Institute of Alcohol Abuse and Alcoholism (T32 AA007577)
Goal: To prepare graduate students and postdoctoral fellows interested in careers as independent scientists investigating the biomedical consequences of alcohol consumption and abuse.
Role: Postdoctoral trainee

Current Funded Grants:

- 04/01/2020-03/31/2025
The Role of Mesoaccumbens Dopamine in Pain and Prescription Opioid Addiction
Department of Veterans Affairs (1IK2 BX004334)

Goal: To understand the overlapping brain biochemical mechanisms of chronic pain and opioid dependence that may contribute to the worsening and potential interdependence of these two disorders.

Role: PI

\$1,030,244 direct costs

PUBLICATIONS:

Journal Publications:

1. Kathirvelu B, East BS, **Hill AR**, Smith CA, and Colombo PJ (2013). Lentivirus-mediated chronic expression of dominant-negative CREB in the dorsal hippocampus impairs memory for place learning and contextual fear conditioning. Neurobiology of Learning and Memory. 99: 10-16. PMID: 23110949
2. Yang H, *Hou H, ***Pahng AR**, Gu H, Nairn AC, Tang Y, Colombo PJ, & Xia H (2015). Protein phosphatase-1 inhibitor-2 is a novel memory suppressor. The Journal of Neuroscience. 35(45): 15082-15087. ***H.H. and A.P. contributed equally to this work.** PMID: 26558779
3. McGinn MA & **Pahng AR** (2017). Pathophysiology of affective disorders: Functional interaction of stress hormones and hippocampal excitation. Journal of Neurophysiology. 117: 477-479. PMID: 27169510
4. **Pahng AR** & Colombo PJ (2017). Phosphorylation of tyrosine receptor kinase B in the dorsal striatum and dorsal hippocampus is associated with response learning in a water plus maze. Behavioral Neuroscience. 131(1): 33-41. PMID: 28004953
5. **Pahng AR**, McGinn MA, Paulsen RI, & Edwards S (2017). The prefrontal cortex as a critical gate of negative affect in alcohol use disorder. Current Opinion in Behavioral Sciences. 13: 139-143. PMID: 28111628
6. **Pahng AR**, Paulsen RI, McGinn MA, Edwards KN, & Edwards S (2017). Neurobiological correlates of pain avoidance-Like behavior in morphine-dependent and non-dependent rats. Neuroscience. 366: 1-14. PMID: 29024786
7. **Pahng AR**, & Edwards S (2018). Measuring pain avoidance-like behavior in drug-dependent rats. Current Protocols in Neuroscience. 85(1), e53. PMID: 30248240
8. **Pahng AR**, Paulsen RI, McGinn MA, Farooq MA, Edwards KN, & Edwards S (2019). Dysregulation of c-jun n-terminal kinase phosphorylation in alcohol dependence. Alcohol. 75: 11-18. PMID: 30321699
9. Bazan HA*, Bhattacharjee S*, Burgos C, Recio J, Abet V, **Pahng AR**, Jun B, Heap J, Ledet AJ, Gordon WC, Edwards S, Paul D, Alvarez-Builla J, & Bazan NG (2020). A novel pipeline of 2-(benzenesulfonamide)-N-(4-hydroxyphenyl) acetamide analgesics that lack hepatotoxicity and

retain antipyresis. European Journal of Medicinal Chemistry. 202:112600. *B.H. and S.B. contributed equally to this work. PMID: 32629335

a. Press release by LSU Health New Orleans published in:

i. *Science Daily*: online July 6, 2020; retrieved from

<https://www.sciencedaily.com/releases/2020/07/200706140907.htm>

ii. *Technology Networks*: online July 7, 2020; retrieved from

<https://www.technologynetworks.com/drug-discovery/news/team-synthesizes-safer-nonaddictive-analgesics-337075>

10. Patel RR, Wolfe SA, Bajo M, Abeynaike S, **Pahng AR**, Nikzad R, Edwards S, Paust S, Roberts AJ, & Roberto M (2021). IL-10 normalizes aberrant amygdala GABA transmission and reverses anxiety-like behavior and dependence-induced escalation of alcohol intake. Progress in Neurobiology. 199:101952. PMID: 33197496.

a. Press release by Scripps Research Institute published in:

i. *Science Daily*: online November 16, 2020; retrieved from

<https://www.sciencedaily.com/releases/2020/11/201116132248.htm>

ii. *Neuroscience News*: online November 16, 2020; retrieved from

<https://neurosciencenews.com/immune-cell-alcohol-anxiety-17280/>

11. **Pahng AR** & Edwards S (2021). The convergent neuroscience of affective pain and substance use disorder. Alcohol Research: Current Reviews. 41(1):14. PMID: 34976573.

12. Edwards S, Callicoaette CN, Barattini AE, Cucinello-Ragland JA, Melain A, Edwards KN, Gilpin NW, Avegno EM, & **Pahng AR** (2022). Pramipexole treatment attenuates mechanical hypersensitivity in male rats experiencing chronic inflammatory pain. Neuropharmacology. 208:108976. PMID: 35085583.

13. Varodayan FP, **Pahng AR**, Davis TD, Gandhi P, Bajo M, Steinman MQ, Kiosses WB, Blednov YA, Burkart MD, Edwards S, Roberts AJ, & Roberto M (2023). Chronic ethanol induces a pro-inflammatory switch in interleukin-1 β regulation of GABAergic signaling in the medial prefrontal cortex of male mice. Brain Behavior and Immunity. 110: 125-139. PMID: 36863493.

14. Barattini AE, Montanari C, Edwards KN, Gilpin NW, Edwards S, & **Pahng AR** (*In Press*). Chronic inflammatory pain promotes place preference for fentanyl in male rats but does not change fentanyl self-administration in male and female rats. Neuropharmacology. 231:109512. PMID: 36948356.

Book Chapters:

1. Colombo PJ, East BS Jr, Crawley ME, & **Hill AR** (2012). Aging and the Brain. In V.S. Ramachandran (Ed.) Encyclopedia of Human Behavior, 2nd Edition, London: Elsevier.

Published Abstracts:

1. Kathirvelu B, Hill GS, East BS Jr, **Hill AR**, Smith CA, & Colombo PJ (2010). Lentivirus overexpression of mutant CREB in the dorsal hippocampus impairs long-term memory

- retention of place learning and contextual fear conditioning. Program No 202.18. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2012. Online.
2. East BE Jr, Crawley ME, **Hill AR**, Winsauer PJ, & Colombo PJ (2012). The rodent simon task as a tool for investigating cognitive control and conflict adaptation. Program No 697.21. 2012 Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience, 2012. Online.
 3. **Hill AR**, Britton R, Zambratto J, Charles D, & Colombo PJ (2012). Individual differences in phosphorylated tyrosine kinase b levels in the dorsal striatum and dorsal hippocampus are positively correlated with the duration of training on a response task: Evidence for a competitive interaction between the striatum and the hippocampus. Program No 104.20. 2012 Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience, 2012. Online.
 4. **Pahng AR**, Yang H, Xia H, & Colombo PJ (2015). Lentiviral knock down of inhibitor-2 in the dorsal hippocampus enhances spatial memory and contextual fear conditioning. Program No 536.07. 2015 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2015. Online.
 5. Byerley LO, Reppel JE, **Pahng AR**, & Edwards S (2016). Omega-3 dietary fatty acids improve spatial learning and memory but do not alter the escalation of alcohol drinking. FASEB. Vol 30, 1_supplement: 679.5. Experimental Biology, 2016.
 6. **Pahng AR**, Farooq MA, Edwards KN, & Edwards S (2016). Neuroadaptations associated with excessive alcohol-seeking behavior in dependent rats. Alcoholism Clinical and Experimental. Vol 40, Issue S1, 734. Research Society on Alcoholism, 2016.
 7. **Pahng AR**, Paulsen RI, Farooq MA, Edwards KN, & Edwards S (2016). Dysregulation of hippocampal and frontocortical JNK signaling in alcohol dependence. Program No 826.14. 2016 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, Online.
 8. **Pahng AR**, McGinn MA, Paulsen RI, Edwards KN, & Edwards S (2017) Neurobiological mechanisms mediating the intersection of pain and drug addiction. NIH 12th Annual Pain Consortium Symposium Abstracts.
 9. **Pahng AR**, Paulsen RI, Farooq MA, Edwards KN, & Edwards S (2017). Dysregulation of hippocampal and frontocortical JNK signaling in alcohol dependence. Alcohol. Volterra Alcoholism and Stress Conference, 2017
 10. McGinn MA, **Pahng AR**, Edwards KN, & Edwards S (2017). Neuroadaptations in cingulate cortex glucocorticoid signaling in alcohol dependence. Alcohol. Volterra Alcoholism and Stress Conference, 2017
 11. **Pahng AR**, Farooq MA, Edwards KN, & Edwards S (2017). Impaired spatial memory and dysregulation of hippocampal JNK signaling in alcohol dependence. Alcoholism Clinical and Experimental. Vol 41, Issue S1, 60. Research Society on Alcoholism, 2017.

12. McGinn MA, **Pahng AR**, Edwards KN, & Edwards S (2017). Neuroadaptations in cingulate cortex glucocorticoid signaling in alcohol dependence. Alcoholism Clinical and Experimental. Vol 41, Issue S1, 742. Research Society on Alcoholism, 2017.
13. Jones A, **Pahng AR**, Edwards S. Dysregulation of Hippocampal and Dorsomedial Prefrontal JNK Phosphorylation in Alcohol Dependence is not Mediated by SEK1/MKK4 Activation (2017). Annual Biomedical Research Conference for Minority Students Abstracts.
14. **Pahng AR**, Paulsen RI, McGinn MA, Schindler ME, Edwards KN, & Edwards S (2018). Neurobiological correlates of pain avoidance behavior in opioid vs. alcohol dependence. FASEB. Vol 32, 1_supplement: 878.1. Experimental Biology, 2018.
15. **Pahng AR**, Paulsen RI, McGinn MA, Schindler ME, Edwards KN, & Edwards S (2018). Neurobiological correlates of pain avoidance behavior in opioid vs. alcohol dependence. Alcoholism Clinical and Experimental. Vol 42, Issue S1, 818. Research Society on Alcoholism, 2018.
16. Weera MM, **Pahng AR**, Whitaker AM, & NW Gilpin (2018). Stress-induced brain activation in avoider rats. Alcoholism Clinical and Experimental. Vol 42, Issue S1, 64. Research Society on Alcoholism, 2018.
17. Varodayan P, **Pahng AR**, Davis TD, Nadav T, Bajo M, Burkart MD, Edwards S, Roberts AJ, Roberto M (2019). The role of the interleukin-1 system in alcohol-induced cortical dysfunction. Alcoholism Clinical and Experimental. Vol 43, Issue S1, 729. Research Society on Alcoholism, 2019.
18. McGinn MA, **Pahng AR**, Edwards KN, & Edwards S (2019). Dysregulated cingulate cortex glucocorticoid signaling in alcohol use disorder. Alcoholism Clinical and Experimental. Vol 43, Issue S1, 279. Research Society on Alcoholism, 2019.
19. Cucinello JA, Berner ME, **Pahng AR**, Edwards KN, & Edwards S (2019). Differential effects of opioid versus alcohol dependence on pain avoidance behavior and regional endocannabinoid system deficiency. Program No 484.01. 2019 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, Online.
20. Callicoaatte C, **Pahng AR**, Johnson A, Edwards KN, Edwards S (2019). Dopamine signaling as a non-opioid analgesic strategy for chronic pain. Annual Biomedical Research Conference for Minority Students Abstracts.
21. Cucinello JA, Berner ME, **Pahng AR**, Edwards KN, Edwards S (2020). Differential effects of opioid versus alcohol dependence on pain avoidance behavior and regional endocannabinoid system deficiency. FASEB. Vol 34, 1. Experiment Biology Meeting, 2020.
22. Delery E, **Pahng AR**, Stiepler Z, Fucich E, Gilpin NW, Molina P, Edwards S (2020). Hyperalgesia and neuroadaptations in glucocorticoid signaling in the context of traumatic brain

injury and alcohol dependence. Alcoholism Clinical and Experimental. Vol 44, Issue S1, 90. Research Society on Alcoholism, 2020.

23. Edwards S, Callicoatte CN, Barattini AE, Avegno EA, Edward KN, Cucinello-Ragland J, Melain A, Gilpin NW, & **Pahng AR** (2021). Pramipexole treatment attenuates mechanical hypersensitivity in rats with chronic inflammatory pain. Texas Pain Research Highlights Abstracts.
24. Edwards S, Callicoatte CN, Barattini AE, Avegno EA, Edward KN, Cucinello-Ragland J, Melain A, Gilpin NW, & **Pahng AR** (2021). Pramipexole treatment attenuates mechanical hypersensitivity in rats with chronic inflammatory pain. IASP Virtual Conference on Pain.
25. Varodayan FP, **Pahng AR**, Davis TD, Gandhi P, Bajo M, Steinman MQ, Kiosses WB, Blednov YA, Burkart MD, Edwards S, Roberts AJ, & Roberto M (2023). Interleukin-1 mechanisms of ethanol-induced dysfunction in the medial prefrontal cortex. Abstract #364. Alcoholism Clinical and Experimental. Research Society on Alcoholism, 2023.

Research Review Committees:

11/2022 USU-AFFRI Study Section ZRG1 NV-U (91) Special Emphasis Panel, Ad hoc

Invited Scientific Presentations:

Local/State/Departmental Presentations

- 02/2011 **Hill AR**. “Initial characterization *in vivo* of lentiviral overexpression of the TrkB.T1 protein in the dorsal hippocampus and its effect on long-term memory”. 12th Annual Tulane Neuroscience Scientific Retreat. New Orleans, LA
- 02/2012 **Hill AR**. “Individual differences in phosphorylated tyrosine receptor kinase B levels in the dorsal striatum are related to response learning.” 13th Annual Tulane Neuroscience Scientific Retreat. New Orleans, LA
- 02/2013 **Hill AR**. “Infusing lentiviral I2-shRNA into the dorsal hippocampus of rats enhances spatial memory and contextual fear conditioning”. 14th Annual Tulane Neuroscience Scientific Retreat. New Orleans, LA
- 02/2014 **Pahng AR**. “Lentiviral knock down of inhibitor-2 in the dorsal hippocampus of rats enhances spatial memory and contextual fear conditioning”. 15th Annual Tulane Neuroscience Scientific Retreat. New Orleans, LA
- 02/2015 **Pahng AR**. “Infusion of GABA agonist muscimol disrupts the relationship between spatial memory and signaling proteins in the hippocampus”. 16th Annual Tulane Neuroscience Scientific Retreat. New Orleans, LA
- **Jean Yocum Harlan Award for 1st Place Presentation, 16th Annual Neuroscience Retreat, Tulane University, New Orleans, LA.**

- 05/2016 **Pahng AR.** “Dysregulation of Hippocampal JNK Signaling in Alcohol Dependence”. Alcohol & Drug Abuse Center of Excellence 7th Scientific Retreat. New Orleans, LA.
- 05/2017 **Pahng AR.** “Neurobiological Mechanisms Underlying the Intersection of Pain and Drug Dependence”. Alcohol & Drug Abuse Center of Excellence 8th Scientific Retreat. New Orleans, LA.
- 12/2018 **Pahng AR.** “The Intersection of Pain and Negative Reinforcement in Opioid Addiction”. Alcohol & Drug Abuse Center of Excellence 10th Scientific Retreat. New Orleans, LA.
- 11/2019 **Pahng AR.** “Cellular Mechanisms Underlying the Intersection of Pain and Opioid Dependence”. Perspectives on Alcohol Research Seminar. LSU School of Medicine. New Orleans, LA.
- 12/2019 **Pahng AR.** “Cellular Mechanisms Underlying the Intersection of Pain and Opioid Dependence”. Neuroscience Center of Excellences. LSU School of Medicine. New Orleans, LA.
- 10/2021 **Pahng AR.** Carol Ashton D’Angelo Workshop on Mental Health Neuroscience. New Orleans, LA.
- 03/2022 **Pahng AR.** “Investigating Non-Opioid Pharmacotherapies for the Treatment of Chronic Inflammatory Pain”. Carol Ashton D’Angelo New Orleans Neuroscience Retreat. LSU School of Medicine. New Orleans, LA.
- 06/2022 **Pahng AR.** “Junior Faculty Perspective on Overcoming Career and Work-life Balance Obstacles”. Department of Physiology 2022 Summer Series. Near-Pear Panel. LSU School of Medicine. New Orleans, LA.
- 01/2023 **Pahng AR.** “Ethics in Research: Academic Retractions”. Perspectives on Alcohol Research Seminar. LSU School of Medicine. New Orleans, LA

National/International Presentations

- 04/2018 **Pahng AR.** “Neurobiology of Pain and Negative Reinforcement in Drug Addiction: New Translational Targets”. Symposium Session: “Intersectional of Central Pain, Reward Circuitry in CNS Disorders”. Experimental Biology meeting. San Diego, CA.
- 06/2018 **Pahng AR.** Co-chair, “Symposium Introduction: Comorbidities Promoting Excessive Alcohol Drinking”. Research Society on Alcoholism meeting. San Diego, CA.
- Canceled due to COVID **Speaker Abstract Selected for *Volterra Alcoholism and Stress Conference 2020*.**
Pahng AR. “The Role of Nucleus Accumbens Dopamine Deficits in Chronic Inflammatory Pain”. Symposium Session: “Intersectional Neurobiology of Pain, Addiction & Negative Affect”. Volterra, Italy.

- Canceled due to COVID **Speaker Abstract Selected for Research Society on Alcoholism Conference 2020.**
Pahng AR. “Animal Models of Acute Severe Alcohol Withdrawal Syndrome”. Symposium Session: “Translational Research Agenda for Treatment of Severe Alcohol Withdrawal Syndrome”. New Orleans, LA.
- 04/2021 **Pahng AR.** “Pramipexole Attenuates Mechanical Hypersensitivity in Rats with Chronic Inflammatory Pain”. Pre-recorded presentation. Texas Pain Research Highlights 2021 Conference. Online.
- 06/2021 **Pahng AR.** “Pramipexole Attenuates Mechanical Hypersensitivity in Rats with Chronic Inflammatory Pain”. Pre-recorded presentation. International Association for the Study of Pain 2021 Conference. Online.

Editorial Activities:

- Reviewer
2016 *Journal of Neurochemistry*
- 2018-present *Pharmacology, Biochemistry, and Behavior*
- 2020-2021 *Physiology & Behavior*
- 2020-present *Behavioural Pharmacology*
- 2023 *Neuroscience Letters*
- 2023 *European Journal of Neuroscience*

Service Activities/ Outreach Events:

- Spring 2016 Peer Advocate Liaison (PAL) Resource Health Fair, LSU Health New Orleans, New Orleans, LA.
- Spring 2016 STEM NOLA, New Orleans, LA.
- Fall 2016 Underage Drinking Town Hall, Xavier University, New Orleans, LA.
- Spring 2017 Peer Advocate Liaison (PAL) Resource Health Fair, LSU Health New Orleans, New Orleans, LA
- Spring 2017 Judge, Senior Division Greater New Orleans Science and Engineering Fair, New Orleans, LA.
- Spring 2017 Wellness Health Blitz, Xavier University, New Orleans, LA

Spring 2017 Sci-Fly Speed Mentoring Event for High School & Undergraduate Student Summer Researchers, Association of Women in Science-Southern Louisiana (AWIS-SL), New Orleans, LA.

Fall 2017 Organizer, American Physiological Society (APS) sponsored PhUn week event, St. Scholastica Academy, Covington, LA.

Fall 2017 Judge, Graduate Research Day 2017, LSU Health New Orleans, New Orleans, LA.

Spring 2018 Peer Advocate Liaison (PAL) Resource Health Fair, LSU School of Dentistry, New Orleans, LA.

Spring 2018 Sci-Fly Speed Mentoring Event for High School & Undergraduate Student Summer Researchers, Association of Women in Science-Southern Louisiana (AWIS-SL), New Orleans, LA.

Fall 2018 Judge, Graduate Research Day 2018, LSU Health New Orleans, New Orleans, LA

Fall 2019 Judge, Graduate Research Day 2019, LSU Health New Orleans, New Orleans, LA

2018-2019 Treasurer, Postdoctoral Association, LSU Health New Orleans Chapter, New Orleans, LA

Fall 2020 Member, Equipment Committee, Southeast Louisiana Veterans Health Care System, New Orleans, LA

2020-present Member, Space Committee, Southeast Louisiana Veterans Health Care System, New Orleans, LA

2020-present Primary Voting Member (Scientific Member), IACUC, Research Committee, Southeast Louisiana Veterans Health Care System, New Orleans, LA

Spring 2021 Judge, Junior Division, Greater New Orleans Science and Engineering Fair, New Orleans, LA.

Spring 2022 Invited Panelist, Careers in Neuroscience Panel, Tulane University, New Orleans, LA.

Fall 2022 Judge, Graduate Research Day 2022, LSU Health New Orleans, New Orleans, LA

Spring 2023 Invited Panelist, Grant Writing Workshop, Greater New Orleans Society for Neuroscience (GNOSN) Seminar Series, New Orleans, LA.