

**CURRICULUM VITAE**

**Patricia E. Molina, MD, PhD**

**Current Title:** Richard Ashman Professor

Head, Department of Physiology

Director, Alcohol and Drug Abuse Center of Excellence

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**Education:**

Elementary/High School: Escuela Americana, San Salvador, El Salvador (1964-1976)

Foreign Exchange: Lee High School, Baton Rouge, LA (1974-1975)

Undergraduate: Universidad del Valle, Guatemala (BS, 1980)

Graduate: Universidad Francisco Marroquín, Guatemala (MD, 1984)

Internship: Hospital General San Juan de Dios, Guatemala

Physiology, LSUMC, New Orleans (PhD, 1990)

Post-Doctoral: Vanderbilt University, Nashville, TN (1990-1992)

**Certification:** ECFMG, Certificate # 0-474-770-5

**Languages:** English, Spanish and French

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

Vanderbilt University, Nashville, TN

1990–1992 Research Instructor

State University of NY, Stony Brook

1992–1996 Research Assistant Professor

05–09/1996 Research Associate Professor

North Shore University Hospital, NY

1996–1999 Chief Surgical Research

Brookhaven National Lab, NY

1996–2000 Guest Scientist

Louisiana State University Health Sciences Center, New Orleans, LA

1997–1999 Gratis Associate Professor

1999–2004 Associate Professor

2004–Pres. Professor with Tenure

2008–Pres. Director, Alcohol & Drug Abuse Center

2008–Pres. Department Head

**Membership in Professional Organizations:**

American Physiological Society, President-Elect (2014)

Shock Society

American Association for the Advancement of Science

International Society for Neuroimmunomodulation

Research Society for Alcoholism

National Hispanic Science Network on Drug Abuse, Chair

Endocrine Society

Society of Neuroimmunepharmacology

**Awards and Honors:**

1989 Outstanding Graduate Student, Louisiana State University Medical

2003 Organizer and Chair, Consensus Workshop: Allostatic load and the response to injury and Trauma, National Institute of General Medical Studies Center

2001–2008 Honorary Consul General of El Salvador, New Orleans, LA

2007 Top Ten Female Achievers, New Orleans Magazine

2007–2010 Vice-Chair, National Hispanic Science Network on Drug Abuse

2011 Louisiana Pathfinder Award 2014–2015 President-Elect, American Physiological Society

2012 Excellence in Mentorship Award, National Hispanic Science Network

2010–2012 Councilor, Association of Chairs of Departments of Physiology

2010–Pres. Chair, National Hispanic Science Network on Drug Abuse

2006–Pres. Richard Ashman Professor of Physiology, LSUHSC

2012–2015 Council member, National Institute on Alcohol Abuse and Alcoholism

**TEACHING EXPERIENCE AND RESPONSIBILITIES**

**Formal Course Responsibilities:**

1988–1989 Lectures: Physiology-Renal Physiology, Muscle and Parturition (9 h)

LSU Nursing

1989 Lectures: Physiology-Renal; Physiology and Acid-Base (6 h)

LSU Allied Health

1991 Preceptor for 1st/2nd year medical students; Introduction to Biomedical Research

Vanderbilt

1992–1996 Preceptor for Minority High School Summer Research Program

SUNY, Stony Brook

1993–1996 Preceptor for undergraduate (EUREKA) and medical students (MD with distinction program)

SUNY Stony Brook

1994–1996 Summer Lecture Series: Introduction to Metabolic Research

SUNY Stony Brook, Division of Surgical Research

1996        Vitamin and Women’s Nutrition Lectures, 1st year Medical Nutrition Course

2000        Introduction to Clinical Medicine; GI; Back to Basics. Drs. Cassidy & Bagwell. 2nd year medical students (2 h)

2000        Graduate Cell Biology Course. Signal transduction and Cell signaling (2 h)

C. Hornick, Course Director

2001        Medical Physiology; Introduction to Endocrinology, Hypothalamus (3 h)

Course Director; H. Miller

2001        Alcohol Research Center Training Program, Alcohol and trauma (1 h)

Gregory Bagby, Program Director

2001 Allied Health Physiology; Introduction to Endocrine (3 h); GI physiology (4 h) Gregory Bagby, Course Director.

2002–2003 Graduate Cell Biology Course. Signal transduction and Cell signaling (3 h)

C. Hornick, Course Director

Medical Physiology. Muscle Lectures (2 h & lab), Liver lectures (2 h), Endocrine introduction, hypothalamus, pituitary, thyroid, parathyroid, adrenal (7 h)

2003–Pres. Medical Physiology (ANS and muscle (4 h), liver (3 h), endocrine (14 h)); Endocrine Physiology Review (2 h)

2003–Pres. Graduate Endocrine Physiology (Course Director & lecturer; 3 h credit)

2003–2005 Perspectives in Alcohol Research (Program Coordinator)

2005–Pres. Medical Spanish Elective (Course Director & Lecturer, 2 h credit, Spring semester)

2005–Pres. Perspectives in Alcohol Research Elective (Course Director & Lecturer; 1 h credit)

2005–Pres. Endocrine block for Biological Systems (IDP program; Block director & lecturer)

2005–Pres. Growth and Development, Aging Lectures (4 h), Dental students

2006–Pres. Endocrine Pathophysiology (Lecturer Nursing and CARE programs 3 h/course t twice a year)

**Undergraduate, Medical, or Graduate Students Trained:**

07/1992–05/2003 Khalil Yousef, MD,Stony Brook Surgical Resident

01/1994–12/1994 Jeroen Meijerink, MD, PhD, Netherlands

09/1994–10/1996 Samuel Bundz, MD, Stony Brook Surgical Resident

03/1995–09/1995 Shihab Khogali, MD, PhD, Scotland

08/1993–10/1995 Yoshiro Hashiguchi, MD, PhD, Japan

07/1995–06/1996 Saied Malek, MD, Baharain

07/1998–09/1999 Nasim Ahmed, MD, North Shore University Hospital

10/2000–05/2001 Danielle Williams, Xavier University

01/2002–01/2005 Diego Niño, MD, Graduate Student, LSUHSC

09/2002–09/2003 Muñeca Slade, Undergraduate Student

07/2004–07/2008 Keisa Williams Mathis, MS, PhD

07/2004–07/2005 Jaquelin Varela, Graduate Student, LSUHSC

06/2004–08/2004 Ze Zhang, Undergraduate Summer Research

06/2005–08/2005 O’Keith Dellafosse, Medical Student Summer Research

06/2005–08/2005 Jeremy Daigle, Medical Student Summer Research

06/2005–08/2005 Rachel Rider, Undergraduate Summer Research

10/2006–08/2007 Tiffany Best, Undergraduate Research

04/2007–04/2012 Annie M. Whitaker, PhD

05/2007–05/2013 Jesse Sulzer, MD, PhD

05/2008–11/2010 Edith Walker, PhD Candidate

06/2008–06/2009 Tesslyn Land, Undergraduate Student, Xavier University

01/2009–05/2009 Chris Hakenjos, Cardiopulmonary Sciences Student

06/2009–08/2009 Sophie Giberga, High School Student

06/2011–01/2013 Emily Rogers, Undergraduate Student

06/2011–Pres. Sophie Teng, MD/PhD (3rd year Medical Student)

06/2012–08/2012 Daniel Puneky, MD Student

03/2013–Pres. Whitney Nichols, MD/PhD Candidate

06/2013–Pres. Jacques Mayeux, MS, PhD Graduate Student

06/2013–Pres. John Maxi, PhD Graduate Student

06/2013–Pres. Parth Thaker, Undergraduate Summer Research

06/2013 Claire Franklin, Undergraduate Summer Research

06/2013 Mohammed Elaasar, Undergraduate Summer Research

06/2013–08/2013 Jackie Spangenberg, High School Student

**Post-Doctoral or Post-Residency Fellows Trained:**

06/2000–06/2001 Herbert Phelan, MD, Post-doctoral Fellow, LSUHSC

10/2000–10/2003 Kirsten Zambell, PhD, Post-doctoral Fellow, LSUHSC

07/2005–07/2007 Patrick Greiffeinstein, MD, Post-doctoral Fellow, LSUHSC

05/2010–Pres. Flavia Souza-Smith, PhD, Post-doctoral Fellow

08/2012–08/2014 Tracy Dodd, PhD, Post-doctoral Fellow

10/2012–08/2014 Megan Armstrong-Lipe, PhD, Post-doctoral Fellow

11/2012–Pres. Paige Katz, PhD, Post-doctoral Fellow

**RESEARCH AND SCHOLARSHIP**

**Grants and Contracts:**

***Funded:***

***Active***

CDMRP DMRDP W81XWH-11-2-0011 09/30/10 – 11/03/14 2.4 calendar

Department of Defense $266,770/yr

Endocannabinoids as a target for the treatment of traumatic brain injury

The proposed studies will investigate the effectiveness of inhibitors of endocannabinoid degradation in improving outcome from traumatic brain injury. This approach would have the advantage of using a substance that is normally produced by the body as a protective factor to improve brain function following injury without impairing learning and cognitive function.

Role: Principal Investigator

5 P60 AA09803-19 (Nelson) 12/01/09 –11/30/14 2.4 calendar

NIH/NIAAA $1,525,008

Alcohol, HIV Infection and Host Defense

The goals of the education portion of the ARC are to disseminate information relating to alcohol abuse to the public and to foster interdisciplinary research efforts among scientists.

Role: Academic Research Coordinator of Administrative Component

2 T32 AA07577-16 09/01/09 – 8/31/19 0.0 calendar

NIAAA $374,370

Biomedical Alcohol Research Training Program

The goal of this training program is to provide mentorship and focused training for MD and PhD pre and postdoctoral fellows so that they can develop careers in biomedical research in the alcohol field.

2 R13 DA026647-06 06/01/09 – 05/31/19 2.4 calendar

NIH/NIDA $135,036/yr

National Hispanic Science Network on Drug Abuse (NHSN) Annual Conference

This grant supports the Annual NHSN Conference which promotes bidirectional translational research ranging from bench to community and a trans-disciplinary cross-fertilization of ideas among scientists from all fields of drug abuse.

Role: Principal Investigator

5 U01 AA21995-03 09/15/12 - 8/31/17 2.4 calendar

NIH/NIAAA $1,886,942

HIV / AIDS & Alcohol-Related Outcomes; Translational Evidence-Based Interventions

This project will develop and strategically test coordinated interventions to reduce alcohol use and alcohol-related consequences in HIV-impacted populations.

Role: Principal Investigator

5 R25 AA021304-02 (Gregory, Molina) 04/05/12 – 03/31/17 0.2 calendar

NIAAA/NIH $82,948

Louisiana SURE Program

This program will support ten undergraduate students to conduct hands on research during the summer on alcohol related diseases. The goal of the program is to nurture the next generation of scientists who will participate in clinical and translational research on a major health issue.

Role: Co-Investigator

5 T35 AA021097-03 (Gregory, Molina) 01/04/12–03/31/17 0.0 calendar

NIAAA/NIH $21,860

Medical Student Alcohol Research Internship

Role: Co-Investigator

5 R01 DA030053–04 07/01/10 – 02/28/15

NIH/ NIDA $836,482/yr

Cannabinoid Epigenomic and miRNA Mechanisms Impact HIV/SIV Disease Progression

The proposed studies will explore the epigenomic (miRNA and DNA methylation) mechanisms involved in the anti-inflammatory effects and suppression of viral replication associated with prolonged survival in chronic THC-treated SIV-infected animals.

Role: Principal Investigator

***Complete***

P20 GM103514-10 (Kapusta) 09/01/03- 06/30/13   
NIH/NCRR   
Mentoring in Cardiovascular Biology  
Role: Mentor for trainees on the Cardiovascular COBRE.

5 R01 DA030053-03S1 06/01/12 – 08/01/12  
Summer Research with NIDA

This project provided a training opportunity for an undergraduate student during a period of 8-10 weeks during the summer of 2012.

Role: Principal Investigator

P20 RR016816-06 (Bazan) 02/01/07 – 01/31/12   
NIH/NCRR   
Mentoring Neuroscience in Louisiana  
Role: Mentor for trainees on the Neuroscience COBRE.

R01 DA 020419-04S1 04/01/09 – 03/31/11   
NIH/NIDA   
Cannabinoid Effects on HIV/AIDS   
This supplement is to perform serial gut biopsies in SIV-infected macaques that are treated with THC using animals in the ongoing studies.

Role: Principal Investigator

R01 DA020419-04S3 04/01/09 – 03/31/11   
NIH/NIDA   
Cannabinoid Effects on HIV/AIDS   
The studies proposed under this administrative supplement contrast the responses of female and male rhesus macaques chronically treated with Δ9-THC prior to and during the course of SIV infection.

Role: Principal Investigator

3 R01 DA020419-02S1 08/10/06 – 03/31/11   
Cannabinoid effects on HIV/AIDS   
NIDA   
The major goals of this proposal are to establish the impact of cannabinoids on progression of SIV infection in Chinese-derived rhesus macaques. This project is conducted in Beijing at the Laboratory for Animal Sciences under direction of Dr. Zhiwei Chen from the Hong Kong AIDS Institute

Role: Principal Investigator

PR 054196 04/03/06 - 04/02/11   
Department of Defense   
Alcohol intoxication Impact on outcome from traumatic injury  
The goal of this project is to identify the central mechanisms involved in altered hemodynamic counterregulatory responses to hemorrhage during alcohol intoxication.

Role: Principal Investigator

3 R01 DA020419- 04S2 06/20/09 –09/31/09   
NIH/NIDA

This administrative supplement will focus on minority science and research training. It will create 4 positions and accelerate the pace of my scientific research; the specific purpose of these recovery act funds. Our summer research program will bring together 2 science teachers, a high school student, and an undergraduate college student.   
Role: Principal Investigator

1 R13 NIAAA00448747 09/01/08 - 08/30/09   
NIAAA   
Training Directors Meeting LSUHSC 2009   
The goal of this project is to organize the NIAAA Trainee and Program Director’s workshop in New Orleans, LA.  
Role: Principal Investigator

LSUHSC Translational Initiative 01/01/09 - 12/31/09   
Translational Studies on the Consequences of Alcohol Intoxication on Outcome from Traumatic Injury

DHHS Office of Minority Health 01/01/09 - 08/31/09   
Application to Practice: A National Videoconference Training Program   
The focus of this proposal is to develop a videoconference training program that will provide opportunities for interdisciplinary mentorship for graduate students and early career professionals involved in drug abuse research. LSUHSC will be one of 4 nodes for the program.

Role: Project Director

R01 NIAAA3543-05 07/01/02 – 06/30/09   
NIAAA   
Chronic Alcohol & AIDS Impact on Muscle Wasting   
The goals of the project are to dissect the mechanisms involved in the increase in muscle wasting observed during the progression of AIDS and how chronic alcohol administration alters their progression.  
Role: Principal Investigator

NSF(2008) PFund 103 (Molina) 04/01/08 – 03/31/09   
Board of Regents   
Target Mechanisms for Improved Outcome from Hemorrhage  
This project will investigate the feasibility of acetylcholinesterase inhibitors in improving the blood pressure response to shock in alcohol intoxicated rodents.  
Role: Principal Investigator

DA020419-02S2 06/1/08 - 08/01/08

Summer Research with NIDA   
This project will provide training opportunity for an undergraduate student during a period of 8-10 weeks during the summer of 2008.  
Role: Principal Investigator

1 R13 GM080954-01 (Kovacs) 06/01/07 – 05/31/08  
Alcohol and Trauma   
The goal of this project was to organize a satellite symposia at the SHOCK society meeting in Baltimore in 2007.

Role: Co-Investigator and Organizer

1 U01 AA014293-01 (Nelson) 04/01/03 - 03/31/06   
Alcohol Research Planning and   
Development Program   
The goals of this project were to develop a research plan that will enable Xavier Faculty to establish research programs. In addition, the education aspect focused on developing courses that will better prepare Pharmacy students to deal with drug-alcohol interactions.  
Role: Co-Investigator

NOOO14-97-1-0248 02/01/97 - 01/31/06

Neural Control of Hemorrhage-induced Tissue Cytokine Production

The goals of this project were to determine the time course, magnitude and tissue specificity of the alterations in pro-inflammatory cytokine and endogenous opiate concentrations induced by hemorrhage. In addition, to determine the role of the central nervous system in modulating the magnitude of these responses, with particular focus on the role of pain-related pathways.

Role: Principal Investigator

Louisiana Health Excellence Fund 06/01/00 - 05/31/05   
Shellito  
Immunosuppression following trauma/hemorrhage; Impact of alcohol intoxication  
The goals of this project are establish a model of alcohol intoxication and soft tissue trauma with hemorrhage to identify the specific alterations in host defense that contribute to enhanced susceptibility to infection.

Role: Principal Investigator, Project 3

1 R13 AA13578-01 10/01/01 - 09/31/02  
Alcoholism and Disease: Immune and Pathological Mechanisms   
The goal of this project was to organize two symposia at the Experimental Biology meeting in New Orleans in 2002.

Role: Principal Investigator

RO1 GM 50567-03 (Abumrad) 08/01/93 - 07/31/97  
Surgery--Protein Breakdown and Endogenous Opiates  
The goal of this project was to define the temporal changes in the responses of ß-endorphin and non-peptide opioid alkaloids during the stress of surgery and trauma.

Role: Co-Investigator

RO1 DK 42562S1 (Abumrad) 02/01/92 - 06/30/96  
Proteolysis in hypoglycemia - impact of CNS.   
PI Supplement for underrepresented minorities.   
The goal of this project was to examine the contribution of gut-derived proteolysis to the overall counteregulatory response to insulin-induced hypoglycemia.

Pilot and Feasibility Project 01/01/91 - 01/12/92  
Clinical Nutrition Research Unit, Vanderbilt   
Ethanol-thiamine interactions in energy metabolism.  
The goal of this project was to examine the contribution of alcohol-induced alterations in thyamine metabolism to the observed derangements in intermediary metabolism of alcoholics.

Role: Principal Investigator

Bell Memorial Fellowship (Molina) 1990-1992  
AHA, Louisiana Chapter   
Mechanisms of the sepsis-induced splanchnic hyperemia. (declined due to relocation)

The goal of this project was to investigate the contribution of glucagon to the enhanced splanchnic circulation during infection

**Journal Publications:**

***Refereed***

1. **Molina PE**, Lang CH, Bagby GJ, D'Souza NB, Spitzer JJ. Ethanol administration diminishes the endotoxin-induced increase in glucose metabolism. Alcohol Clin Exp Res. 1989 Jun;13(3):407-12. PubMed PMID: 2665557.
2. Lang CH, **Molina PE**, Bagby GJ, Spitzer JJ. Chronic alcohol consumption prevents the sepsis-induced increases in gluconeogenesis and metabolic clearance rate. Prog Clin Biol Res. 1990;325:373-82. PubMed PMID: 2405404.
3. **Molina PE**, Lang CH, Bagby GJ, Spitzer JJ. Ethanol attenuates endotoxin-enhanced glucose utilization. Am J Physiol. 1990 Apr;258(4 Pt 2):R987-93. PubMed PMID: 2184686.
4. Spitzer JJ, Bagby GJ, Bautista AP, D'Souza NB, **Molina PE**, Lang CH. Immunosuppressive effect of alcohol on hepatic parenchymal and nonparenchymal cell functions following endotoxin. Adv Exp Med Biol. 1991;288:255-64. PubMed PMID: 1659134.
5. **Molina PE**, Lang CH, Bagby GJ, Spitzer JJ. Ethanol oxidation is not required to attenuate endotoxin-enhanced glucose metabolism. Am J Physiol. 1991 Jun;260(6 Pt 2):R1058-65. PubMed PMID: 2058733.
6. **Molina PE**, Eltayeb K, Hourani H, Okamura K, Nanney LB, Williams P, Abumrad NN. Hormonal and metabolic effects of neuroglucopenia. Brain Res. 1993 Jun 18;614(1-2):99-108. PubMed PMID: 8348333.
7. Lang CH, **Molina PE**, Yousef KA, Tepper PG, Abumrad NN. Role of IL-1 alpha in central nervous system immunomodulation of glucoregulation. Brain Res. 1993 Oct 8;624(1-2):53-60. PubMed PMID: 8252416.
8. Lang CH, **Molina PE**, Abumrad NN. Granulocyte colony-stimulating factor prevents ethanol-induced impairment in host defense in septic rats. Alcohol Clin Exp Res. 1993 Dec;17(6):1268-74. PubMed PMID: 7509576.
9. **Molina PE**, Abumrad NN. Metabolic effects of opiates and opioid peptides. Adv Neuroimmunol. 1994;4(2):105-16. PubMed PMID: 7952827.
10. Yousef KA, Tepper PG, **Molina PE**, Abumrad NN, Lang CH. Differential control of glucoregulatory hormone response and glucose metabolism by NMDA and kainate. Brain Res. 1994 Jan 14;634(1):131-40. PubMed PMID: 8156383.
11. **Molina PE**, Tepper PG, Yousef KA, Abumrad NN, Lang CH. Central NMDA enhances hepatic glucose output and non-insulin-mediated glucose uptake by a nonadrenergic mechanism. Brain Res. 1994 Jan 14;634(1):41-8. PubMed PMID: 8156391.
12. **Molina PE**, Myers N, Smith RM, Lang CH, Yousef KA, Tepper PG, Abumrad NN. Nutritional and metabolic characterization of a thiamine-deficient rat model. JPEN J Parenter Enteral Nutr. 1994 Mar-Apr;18(2):104-11. PubMed PMID: 8201744.
13. Fan J, **Molina PE**, Gelato MC, Lang CH. Differential tissue regulation of insulin-like growth factor-I content and binding proteins after endotoxin. Endocrinology. 1994 Apr;134(4):1685-92. PubMed PMID: 7511091.
14. **Molina PE**, Yousef KA, Smith RM, Tepper PG, Lang CH, Abumrad NN. Thiamin deficiency impairs endotoxin-induced increases in hepatic glucose output. Am J Clin Nutr. 1994 May;59(5):1045-9. PubMed PMID: 8172089.
15. Lang CH, **Molina PE**, Skrepnick N, Bagby GJ, Spitzer JJ. Epinephrine-induced changes in hepatic glucose production after ethanol. Am J Physiol. 1994 Jun;266(6 Pt 1):E863-9. PubMed PMID: 8023915.
16. Petit F, Jarrous A, Dickinson RD, **Molina PE**, Abumrad NN, Lang CH. Contribution of central and peripheral adrenergic stimulation to IL-1 alpha-mediated glucoregulation. Am J Physiol. 1994 Jul;267(1 Pt 1):E49-56. PubMed PMID: 8048512.
17. **Molina PE**, Abumrad NN. Gut-derived proteolysis during insulin-induced hypoglycemia: the pain that breaks down the gut. JPEN J Parenter Enteral Nutr. 1994 Nov-Dec;18(6):549-56. PubMed PMID: 7602732.
18. **Molina PE**, Jabbour K, Williams P, Abumrad NN. Effect of acute ethanol intoxication on glucoregulation during prolonged insulin-induced hypoglycemia. Am J Physiol. 1994 Nov;267(5 Pt 2):R1280-7. PubMed PMID: 7977855.
19. **Molina PE**, Hashiguchi Y, Ajmal M, Mazza M, Abumrad NN. Differential hemodynamic, metabolic and hormonal effects of morphine and morphine-6-glucuronide. Brain Res. 1994 Nov 21;664(1-2):126-32. PubMed PMID: 7895021.
20. Hashiguchi Y, **Molina PE,** Abumrad NN. Modulation of metabolic effects of morphine-6-glucuronide by morphine-3-glucuronide. Brain Res Bull. 1995;38(4):325-9. PubMed PMID: 8535854.
21. **Molina PE**, Hashiguchi Y, Meijerink WJ, Naukam RJ, Boxer R, Abumrad NN. Modulation of endogenous opiate production: effect of fasting. Biochem Biophys Res Commun. 1995 Feb 6;207(1):312-7. PubMed PMID: 7857282.
22. Abumrad NN, Kim S, **Molina PE**. Regulation of gut glutamine metabolism: role of hormones and cytokines. Proc Nutr Soc. 1995 Jul;54(2):525-33. PubMed PMID: 8524899.
23. Hashiguchi Y, **Molina PE**, Abumrad NN. Morphine-3-glucuronide: hyperglycemic and neuroendocrine potentiating effects. Brain Res. 1995 Oct 2;694(1-2):13-20. PubMed PMID: 8974636.
24. Bundz S, **Molina PE**, Lang CH, Abumrad NN. Endogenous opiates do not modulate LPS-induced alterations in carbohydrate metabolism. Shock. 1995 Dec;4(6):397-402. PubMed PMID: 8608395.
25. Hashiguchi Y, **Molina PE**, Fan J, Lang CH, Abumrad NN. Central opiate modulation of growth hormone and insulin-like growth factor-I. Brain Res Bull. 1996;40(2):99-104. PubMed PMID: 8724426.
26. Meijerink WJ, **Molina PE**, Lang CH, Abumrad NN. Contribution of excitatory amino acids to morphine-induced metabolic alterations. Brain Res. 1996 Jan 8;706(1):123-8. PubMed PMID: 8720499.
27. Delman K, Malek SK, Bundz S, Abumrad NN, Lang CH, **Molina PE**. Resuscitation with lactated Ringer's solution after hemorrhage: lack of cardiac toxicity. Shock. 1996 Apr;5(4):298-303. PubMed PMID: 8721391.
28. Hashiguchi Y, **Molina PE**, Preedy VR, Sugden PH, McNurlan MA, Garlick PJ, Abumrad NN. Central effects of morphine and morphine-6-glucuronide on tissue protein synthesis. Am J Physiol. 1996 Sep;271(3 Pt 2):R619-25. PubMed PMID: 8853383.
29. **Molina PE**, Malek S, Lang CH, Qian L, Naukam R, Abumrad NN. Early organ-specific hemorrhage-induced increases in tissue cytokine content: associated neurohormonal and opioid alterations. Neuroimmunomodulation. 1997 Jan-Feb;4(1):28-36. PubMed PMID: 9326742.
30. Cersosimo E, **Molina PE**, Abumrad NN. Renal glucose production during insulin-induced hypoglycemia. Diabetes. 1997 Apr;46(4):643-6. PubMed PMID: 9075805.
31. Cersosimo E, Ajmal M, Naukam RJ, **Molina PE**, Abumrad NN. Role of the kidney in plasma glucose regulation during hyperglycemia. Am J Physiol. 1997 May;272(5 Pt 1):E756-61. PubMed PMID: 9176172.
32. **Molina PE**, Williams P, Abumrad NN. Histaminergic contribution to the metabolic effects of neuroglucopenia. Am J Physiol. 1997 Jun;272(6 Pt 2):R1918-24. PubMed PMID: 9227608.
33. Hashiguchi Y, **Molina PE**, Dorton S, McNurlan MA, Garlick PJ, Reddy D, Abumrad NN. Central opiate mu-receptor-mediated suppression of tissue protein synthesis. Am J Physiol. 1997 Sep;273(3 Pt 2):R920-7. PubMed PMID: 9321868.
34. **Molina PE**, Ding YS, Carroll FI, Liang F, Volkow ND, Pappas N, Kuhar M, Abumrad N, Gatley SJ, Fowler JS. Fluoro-norchloroepibatidine: preclinical assessment of acute toxicity. Nucl Med Biol. 1997 Nov;24(8):743-7. PubMed PMID: 9428600.
35. Hashiguchi Y, **Molina PE**, Boxer R, Naukam R, Abumrad NN. Differential responses of brain, liver, and muscle glycogen to opiates and surgical stress. Surg Today. 1998;28(4):471-4. PubMed PMID: 9590724.
36. **Molina PE**, Ajmal M, Abumrad NN. Energy metabolism and fuel mobilization: from the perioperative period to recovery. Shock. 1998 Apr;9(4):241-8. PubMed PMID: 9565251.
37. Cersosimo E, **Molina PE**, Abumrad NN. Renal lactate metabolism and gluconeogenesis during insulin-induced hypoglycemia. Diabetes. 1998 Jul;47(7):1101-6. PubMed PMID: 9648834.
38. **Molina PE**, Qian L, Schuhlein D, Naukam R, Wang H, Tracey KJ, Abumrad NN. CNI-1493 attenuates hemodynamic and pro-inflammatory responses to LPS. Shock. 1998 Nov;10(5):329-34. PubMed PMID: 9840647.
39. Ding YS, **Molina PE**, Fowler JS, Logan J, Volkow ND, Kuhar MJ, Carroll FI. Comparative studies of epibatidine derivatives [18F]NFEP and [18F]N-methyl-NFEP: kinetics, nicotine effect, and toxicity. Nucl Med Biol. 1999 Jan;26(1):139-48. PubMed PMID: 10096514.
40. **Molina PE**, Ahmed N, Ajmal M, Dewey S, Volkow N, Fowler J, Abumrad N. Co-administration of gamma-vinyl GABA and cocaine: preclinical assessment of safety. Life Sci. 1999;65(11):1175-82. PubMed PMID: 10503933.
41. Telang FW, Ding YS, Volkow ND, **Molina PE**, Gatley SJ. Pyridostigmine, a carbamate acetylcholinesterase AChE inhibitor and reactivator, is used prophylactically against chemical warfare agents. Nucl Med Biol. 1999 Feb;26(2):249-50. PubMed PMID: 10100227.
42. **Molina PE**, Abumrad NN. Central sympathetic modulation of tissue cytokine response to hemorrhage. Neuroimmunomodulation. 1999 May-Jun;6(3):193-200. PubMed PMID: 10213918.
43. Wang H, Bloom O, Zhang M, Vishnubhakat JM, Ombrellino M, Che J, Frazier A, Yang H, Ivanova S, Borovikova L, Manogue KR, Faist E, Abraham E, Andersson J, Andersson U, **Molina PE**, Abumrad NN, Sama A, Tracey KJ. HMG-1 as a late mediator of endotoxin lethality in mice. Science. 1999 Jul 9;285(5425):248-51. PubMed PMID: 10398600.
44. Landis CS, Li X, Telang FW, **Molina PE**, Palyka I, Vetek G, Springer CS Jr. Equilibrium transcytolemmal water-exchange kinetics in skeletal muscle in vivo. Magn Reson Med. 1999 Sep;42(3):467-78. PubMed PMID: 10467291.
45. Meijerink WJ, **Molina PE**, Abumrad NN. Mammalian opiate alkaloid synthesis: lessons derived from plant biochemistry. Shock. 1999 Sep;12(3):165-73. PubMed PMID: 10485593.
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Pain modulation of pain responses, Shock Society, Big Sky MO, June 8-12, 2002.

Morphine modulation of inflammatory responses to hemorrhage, ATACCC, St. Petersburg, FL. September 9-12, 2002.

Organizer and Chair: American Physiological Society Latin American Initiative Congress; Advances In Physiology; Impact on our Understanding of Health and Disease, Guatemala, Guatemala, November 14-15, 2002.

Neuroendocrine regulation of response to trauma, Guatemala, Nov 14-15, 2002.

Alcohol intoxication impairs hemodynamic and neuroendocrine counterregulation to hemorrhagic shock, FASEB, San Diego, April 12-15, 2003.

Advances in Sepsis. Cleveland Clinic Scientific Week, Universidad Francisco Marroquin, Guatemala, CA. May 9th, 2003.

Immunomodulatory effects of opiate analgesia in trauma/hemorrhage. Shock Society Meeting, Phoenix AZ, June 9-11, 2003.

Differential time-dependent effects of alcohol on alveolar and spleen macrophage TNF production. Research Society for Alcoholism, Ft. Lauderdale, FL. June 21-25, 2003.

Acute alcohol intoxication alters the neuroendocrine response to fixed volume hemorrhage in rats. Research Society for Alcoholism, Ft. Lauderdale, FL. June 21-25, 2003.

Immune Consequences of Trauma. Dresden University, Dresden Germany, Department of Physiology, July 30, 2003.

Development of a model to examine the impact of stress on outcome from trauma. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference. St. Petersburg FL. September 18-20, 2003.

Contribution of analgesia to impaired outcome from trauma/hemorrhage. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference. St. Petersburg FL. September 18-20, 2003.

Neurobiology of Stress. National Hispanic Science Network on Drug Abuse Annual meeting: Stress and Addiction; From molecule to neighborhood. October 2-5, 2003.

Differential cardiovascular and neuroendocrine effects of exercise and restraint stress. Stress, mood and cardiovascular function. Chair: Alan K. Johnson. Experimental Biology, Washington, DC April 18, 2004.

Physiopathology of Sepsis. Universidad Matías Delgado, San Salvador El Salvador. Oct 29, 2003.

Consequences of alcohol-induced dysregulation of immediate hemodynamic and inflammatory responses to trauma/hemorrhage. Alcohol and Immunology Research Interest Group (AIRIG) Organizer: Dr. Elizabeth Kovacs. Loyola University Medical Center, Maywood IL. November 21, 2003.

Multiple organ failure post trauma. VII Congreso de Estudiantes de Medicina Dr. Juan Jose Fernández, Universidad Matías Delgado, San Salvador, El Salvador. May 13-15, 2004.

Sepsis, endothelium and interleukins. VII Congreso de Estudiantes de Medicina Dr. Juan Jose Fernández, Universidad Matías Delgado, San Salvador, El Salvador. May 13-15, 2004.

Neuroendocrine regulation of inflammatory responses to trauma. VII Congreso de Estudiantes de Medicina Dr. Juan Jose Fernández, Universidad Matías Delgado, San Salvador, El Salvador. May 13-15, 2004.

Impact of alcohol intoxication on outcome from trauma/hemorrhage. VII Congreso de Estudiantes de Medicina Dr. Juan Jose Fernández, Universidad Matías Delgado, San Salvador, El Salvador. May 13-15, 2004.

Neurobiology of the Stress Response; Neuroendocrine-immune Interactions. 27th Annual Conference on Shock, Halifax, Nova Scotia, Canada. June 7, 2004

Chronic alcohol impact on SIV-associated wasting. Research Society for Alcoholism, Vancouver, Canada, June 23, 2004.

Stress and addiction. Segundo Congreso Internacional de Prevención de adicción a las drogas en la niñez. Organizar: US. Department of State & Zazil-Be Foundation. Cancún, Quintana Roo, México. May 2-5, 2005.

Neuroendocrine modulation of responses to trauma/hemorrhage. Summer Program in Neuroscience, Ethics and Survival. Woods Hole, MA July 15th, 2005.

Balancing family and research. Summer Program in Neuroscience, Ethics and Survival. Woods Hole, MA. July 16th, 2005.

Neurobiology of the Stress Response. Second National Conference on Drug Abuse. San Juan, Puerto Rico. August 20, 2005.

Role of the sympathetic nervous system in the inflammatory reflex. Nobel Conference, Stockholm, Sweden September 21, 2005.

Multiple organ failure post trauma. Critical Care Congress, San Salvador, El Salvador, October 22, 2005.

Sepsis, endothelium and interleukins. Critical Care Congress, San Salvador, El Salvador, October 23, 2005.

Stress and Addiction, Technology Transfer Workshop on Drug Abuse, sponsored by SAMHSA. San Juan Puerto Rico. February 25th 2005.

Chronic alcohol exacerbates muscle pro-inflammatory response during end-stage SIV infection; implications for muscle protein turnover and preservation of lean body mass. Experimental Biology, San Diego, CA. April 3rd, 2005.

Organizer and Chair, National Hispanic Science Network on Drug Abuse Conference, Stress and Drug Abuse, from molecule to neighborhood. Miami, FL. September 13-17, 2005.

Alcohol abuse and risk for HIV infection. 1st Latin American Congress on Addictions, Lima, Peru. Oct 5th-8th, 2005.

Youth and drug abuse. V Congreso de Prevención y Asistencia de la Drogadependencia. Cordoba, Argentina. October 24-29th, 2005.

Impact of Stress of Drug Abuse. Drug abuse and addiction meeting, Valencia, Spain. November 2-6, 2005.

Role of genes and stress on drug addiction. Congress of drug abuse. Valencia, Spain. November 2-6, 2005.

Contribution of soft tissue trauma to pro-inflammatory responses to shock and trauma. Shock Society Meeting, Denver, CO. June 3rd to 7th, 2006.

Alcohol binge suppresses early lung TNF expression following trauma and hemorrhagic shock. EB, San Francisco, CA. April 2006.

Impact of acute moderate alcohol intoxication on outcome from hemorrhage. Experimental Biology, San Francisco, CA. April 2006.

Impact of alcohol intoxication on outcome from hemorrhagic shock. VII Congreso Internacional en Adicciones y 5 Curso de Actualización en Adicciones: de la Ciencia Básica a la Clínica. Guadalajara, Mexico. April 29th, 2006.

Contribution of soft tissue trauma to pro-inflammatory responses to shock and trauma. Shock Society Meeting, Denver, CO. June, 2006.

Acute alcohol intoxication does not modulate cardiovascular and neuroendocrine response to immobilization stress. Research Society on Alcoholism, Baltimore, MD. July 2006.

Chair National Hispanic Science Network Scientific Conference; Drug Abuse and HIV/AIDS, Phoenix, AZ, 2006.

Chronic alcohol; interaction with metabolic manifestations of SIV. US-China Symposium on Drug Abuse and SIV Monkey Models, Wuhan, China, October 2006.

Impact of chronic alcohol administration on SIV-induced muscle wasting. HIV/AIDS and Drug Abuse, USA, Caribbean Conference, Puerto Rico, December 2006.

Noradrenergic modulation of systemic response to infection. SNIP 13th annual conference, Salt Lake City, UT April, 2007.

Short-term central activation of descending sympathetic outflow does not restore alcohol-induced hemodynamic instability during hemorrhagic shock. EB, Washington, DC, April 2007.

Impact of Alcohol Intoxication on Outcome from Trauma/Hemorrhage. Department of Physiology, Tulane University, New Orleans, LA. February 18, 2008.

Chronic Alcohol Use and Progression of AIDS Wasting. 2nd International Symposium and Research Workshop “Alcohol & HIV in Latin America: Prevention and Treatment”. Santiago de Cali, Colombia, March 12, 2008.

Drugs of Abuse and the HIV Epidemic. Cuarto Taller Regional del Proyecto AD/CAM/04/H90: “Establecimiento de una red de tratamiento, rehabilitación y reinserción social en Centroamérica”, Sponsored by United Nations

and NIDA. Salinitas, El Salvador, June 9-13, 2008.

Understanding the Importance of Diversity in the Healthcare Setting. Allied Health Dean’s Distinguished Lecture. Nov 7th, 2008.

Alcohol interaction with host defense in traumatic injury. Alcohol, Leukocytes, and host defense Satellite Symposia. Denver, CO. Nov 9, 2008.

Chronic Alcohol and Drug Abuse; added burden to HIV/AIDS. Instituto de Ciencia y tecnología del D.F. y la Universidad Autónoma de la Ciudad de México, 3er diplomado en Investigación Genómica, Jan 23, 2009.

Impact of alcohol and Drugs of Abuse on HIV. National Hispanic Medical Association 13th annual conference. Brooklyn, NY March 19-22, 2009.

Alcohol Use is it a problem. Loyola University, Theta Phi Alpha Presentation, New Orleans, April, 2009.

Surviving a crisis and embracing new challenges in pathways to leadership: Developing critical skills. Experimental Biology, New Orleans, April 2009.

Chronic Alcohol & HIV/AIDS; Added metabolic burden & accelerated muscle wasting. NHSN Videoconference. New Orleans, May 2009.

Panelist: Research Society for Alcoholism. Grantsmanship Satellite, San Diego, California. June 2009.

Organizer & Chair: Alcohol biomedical consequences and impact on progression of disease (speaker) in Alcohol-HIV-ART Biomedical Consequences and Interactions. Research Society for Alcoholism, San Diego, CA, June, 2009.

Targeted pharmacotherapies to improve outcomes from shock in the alcohol-intoxicated host. Department of Defense Military Health Research Forum Kansas City, MO, September, 2009.

Embracing the Fierce Urgency of Now. NIH National Hispanic Heritage Month Observance, NIH Bethesda, MD. September 2009.

Alcohol Intoxication, Impact on Hemorrhagic Shock. 11th Capital City Conference of the German Society of Anesthesiology and Intensive Care Medicine, September, 2009.

Alcohol, Drug Abuse and HIV, Hong Kong AIDS Institute, October 2009.

Cardiovascular, metabolic and immune consequences of alcohol intoxication in the trauma victim. Pharmacology Research Seminar, LSUHSC March 2010.

Alcohol and drug abuse; impact on HIV/SIV disease progression. Pathology Grand Rounds, LSUHSC. March, 2010.

Alcohol and Drugs of Abuse; Beyond Risk factors for HIV/AIDS. Banquet Lecture Annual Society for Neuroimmunepharmacology meeting, Manhattan Beach, CA. April, 2010.

Panelist in Women and Medicine Panel, American Physician Scientists Association 6th Annual Meeting, Chicago, IL. April 2009.

Alcohol, Drugs of Abuse, and HIV; Beyond Risk Factors. Research Seminar, Department of Physiology, Tulane University, New Orleans, LA. April 2009.

The Balancing Act: Being a Principle Investigator and Administrator in Academia; in Traditional and alternative career paths in rough economic times. ASPET Committee on Diversity Symposia, Experimental Biology, Anaheim, CA April 24, 2010.

Chronic alcohol and SIV infection; enhanced proteasome-mediated loss of muscle mass. 2010 ISBRA World Congress Paris, France September 13-16, 2010.

Alcohol, Drugs of Abuse, and HIV; Beyond Risk Factors. Temple University, Department of Pathology, October 8th, 2010.

Alcohol and the Musculoskeletal System. Research Seminar, Baylor College of Medicine Department of Molecular Physiology and Biophysics. October 26, 2010.

Alcohol & Drugs of Abuse & HIV/AIDS; beyond risk factors. Department of Pathology, University of North Texas Medical Center. January 27, 2011.

Alcohol & Drugs of Abuse & HIV/AIDS; beyond risk factors. Interdisciplinary Research Training Institute on Hispanic Drug Abuse. University of Houston, June 8th , 2011.

Chronic Δ9-THC modulation of simian immunodeficiency virus infection. 21st Annual Symposium of the International Cannabinoid Research Society**,** Pheasant Run, St. Charles, IL. July 6-9, 2011.

Alcohol, drugs of abuse and HIV/AIDS; more than just risk factors. National Association of Biology Teachers, Invited Speaker, Sponsored by APS. Anaheim, CA. October 14th, 2011.

Alcohol and Drug Abuse Risk factors and modulators of HIV infection. Society for the Advancement of Chicanos and Native Americans in Science. San Jose, CA October 24th, 2011.

Organizer and Chair: In “Health Equity in the Hispanic Population; the Science Behind It”, sponsored by SACNAS and NHSN. San Jose, CA October 27, 2011.

Systems approach to understanding alcohol & drugs of abuse interaction with HIV/AIDS. Division of Infection, Inflammation and Vascular Biology, Department of Surgery and Pharmacology, University of Minnesota, MN November 14th, 2011.

The Effects of Alcohol on HIV Transmission and Treatment.  HIV Series for Clinicians sponsored by Delta Region AIDS Education and Training Center. December 14th, 2011.

Department of Physiology & Biophysics Howard University College of Medicine, Washington DC. January 30th, 2012.

Systems approach to unraveling mechanisms of alcohol & Δ-9-THC modulation of simian immunodeficiency virus infection. SNIP meeting, Honolulu, HI. April 29th, 2012.

Organizer, Introduction & Chair: Core mechanisms of alcohol-induced multi-organ & tissue injury. Research Society on Alcoholism, 35th Annual Scientific Meeting, San Francisco, CA June 26th, 2012.

Organizer, Chair, Introduction: Stem cells and epigenetics; research at the frontier of biomedical consequences of chronic alcohol consumption. Research Society for Alcoholism, 35th Annual Scientific Meeting, San Francisco, CA June 2012.

Alcohol, Drugs of Abuse and HIV/AIDS; Beyond risk factors. SRTI, University of Southern California, LA. June 26th, 2012.

Alcohol and Drugs of Abuse: Beyond Risk of HIV/AIDS. Department of Immunology, Florida International University, Herbert Wertheim College of Medicine. July 9th, 2012.

Systems approach to unraveling mechanisms of chronic Δ9-THC modulation of simian immunodeficiency virus infection. Drugs of abuse-HIV infection and NeuroAIDS-A Global scenario. 3rd World Congress on Biotechnology at HICC, Hyderabad, India. September 15, 2012.

Alcohol and Drugs of Abuse Interaction with HIV/AIDS; Systems Biology Approach in the SIV-Infected Macaque. Society for Leukocyte Biology Annual Meeting, Maui, HI October 27, 2012.

Systems Approach to Unraveling Mechanisms of Alcohol & Δ-9-THC Modulation of Simian Immunodeficiency Virus Infection. SNIP, Puerto Rico, April 3-5th, 2013.

Alcohol & Drugs of Abuse Interaction with HIV Disease Progression. Research Seminar, Seton Hall, April 11, 2013.

“Impacto del alcohol en el progreso del VIH”. Impact of alcohol on progression of HIV; NOAIDS Task Force; New Orleans, LA May 29, 2013.

Alcohol and Drugs of Abuse: Beyond Risk of HIV/AIDS. Interdisciplinary Training Institute, National Hispanic Science Network on Drug Abuse. USC School of Social Work Los Angeles, CA. June 5-15, 2013.

Animal models for alcoholic liver disease (ALD) and beyond: Can they help us move from bench to bedside? Satellite Meeting at Research Society on Alcoholism 36th Annual Scientific meeting, Ft. Lauderdale, FL. June 22-26, 2013.

Organizer and Chair: Neuroendocrine Mechanisms of Alcohol Related Behavioral and Medical Consequences. Research Society on Alcoholism 36th Annual Scientific meeting, Ft. Lauderdale, FL. June 22-26, 2013.

Organizer and Chair: Alcohol's Burden on HIV/AIDS and the Promise of Brief Multi-Risk Interventions. Research Society on Alcoholism 36th Annual Scientific meeting, Ft. Lauderdale, FL. June 22-26, 2013.

Differential Regulation of Skeletal Muscle Gene Expression in Chronic Binge Alcohol-Administered Simian ImmunoDeficiency Virus-Infected Macaques. Research Society on Alcoholism 36th Annual Scientific meeting, Ft. Lauderdale, FL. June 22-26, 2013.

Alcohol and HIV/AIDS Disease Progression; Translating Basic Science Derived Knowledge to the Clinical Setting. Plenary NHSN Conference, Bethesda, MD Oct 10, 2013.

Alcohol and Drugs of Abuse, Sex Matters; Distinguished lecture series, Florida Hospital; Ft. Lauderdale, FL; October 2013.

Alcohol and HIV. Webinar, Delta AETC, LSUHSC HOP Clinic. November 26, 2013.

Use of Addictive Substances and Neuroinflammation of HIV Infection. NHSN 14th Annual International Conference, Resiliency and Neuroplasticity Among Vulnerable Populations - Towards a Synchrony of Disciplines. The University of Texas at El Paso. September 3-September 6, 2014.

Poster: Acute Alcohol Intoxication Increases Lymphatic Permeability. and Promotes a Perilymphatic Adipose Tissue Inflammatory Milieu. Use of Addictive Substances and Neuroinflammation of HIV Infection. NHSN 14th Annual International Conference, Resiliency and Neuroplasticity Among Vulnerable Populations - Towards a Synchrony of Disciplines. The University of Texas at El Paso. September 3-September 6, 2014.

Poster: Chronic binge alcohol (CBA) consumption accentuates skeletal muscle and adipose tissue metabolic dysfunction in simian immunodeficiency virus (SIV) infected male rhesus macaques. 1st PanAmerican Congress of Physiological Sciences. Brazil. August 3-5, 2014.

**Editorial Posts and Activities:**

***Review Board:***

Shock Journal (Associate Editor)

American Journal of Physiology; Endocrinology and Metabolism

Addiction Science & Clinical Practice

International Journal of Clinical and Experimental Medicine

***Guest Reviewer:***

Life Sciences

Journal of NeuroImmunomodulation

Brain Research

Alcohol, Clinical and Experimental Research

Cytokine

Journal of Applied Physiology

Critical Care Medicine

Psychoneuroendocrinology

Journal of Neuroimmunepharmacology

**SERVICE ACTIVITIES**

**LSUHSC Institutional Committee Responsibilities:**

2003-Pres. IACUC

2004-Pres. Animal Care Advisory Committee

2004-Pres. MD/PhD Admissions Committee

2006-2008 Appointments, Promotions and Tenure Committee

2004-Pres. Diversity Committee

2008-2010 LCME Self Study Committees

**Extramural Appointments or Office Held:**

2002–2009 Councilor, APS Endocrine and Metabolism section

2003–2007 Member and Chair, APS International Committee

2003–Pres. Member, NHSN Steering Committee

2003–Pres. National Hispanic Science Network 3rd Scientific Meeting Planning Subcommittee

2003–2004 President, Gulf Coast Physiological Society

2004–2008 Basic Science Councilor, Shock Society

2003–2010 Councilor, Endocrine and Metabolism section of the American Physiological Society

2004–Pres. Chair, Membership Subcommittee NHSN

2004 Member, NIDA Minority Health Disparities Work Group

2004–2007 Member at Large, US National Committee for the International Union of Physiological Sciences (USNC/IUPS)

2008–2011 Chair, Porter Development Committee, American Physiological Society

2009–2012 Councilor, Association Chairs Department of Physiology (ACDP)

2008–2011 Council Member, AHA Southeastern Affiliate

2010–Pres. Chair, National Hispanic Science Network

2010–2013 Councilor, American Physiological Society

2012–Pres. Member, National Advisory Council on Alcohol Abuse and Alcoholism

**University/Institutional Service:**

Participating Host Faculty for Minority Research Day

LSUHSC Biomedical Research Fund Review Committee

2001–2004 Reviewer and Judge for Medical Student Summer Research Presentations and Proposals

2001–2003 Judge for Poster and Oral Presentations, Department of Medicine

Research Day

2002–Pres. IACUC

2002–Pres. Animal Care Advisory Committee

2002–2008 Faculty Assembly

2002–2008 Physiology Graduate Student Committee

2003–Pres. MD/PhD Admissions Committee

2003–Pres. Diversity Committee

2003–2005 Advisory Board Clinical Research Center

2005–Pres. Interdisciplinary Program Advisory Committee

2006–Pres. Graduate Advisory Council

2006–2008 Appointments, Promotions, and Tenure Committee

2008–2009 Chair, Communications committee

2008–2009 LCME Self Study Committee

2008–2009 Pathology Chair search committee

2009–2011 Panelist for Appointment, Promotion, and Tenure Workshop LSUHSC

2010–2011 Surgery Chair search committee

2010–2011 Cardiology Chief search committee

2010–Pres. Outreach Committee

2010–Pres. Chair, Communications Work Group

2013–Pres. Strategic Planning Steering Committee

2013–Pres. Strategic Planning Steering Committee

2013–Pres. Chair, Communications Work Group

**Special Assignments:**

2006–2008 Lecturer APS Professional Development Skills Workshops

2014 Instructor, APS Professional Skills Training Course “Writing and Reviewing for Scientific Journals”

2014 Co-chair, Workshop 3: Undergraduate Teaching and the Physiology Pipeline, Association of Chairs of Departments of Physiology Leadership Retreat

**Community Service Activities:**

Lector St. Francis Xavier Church, Metairie, LA

Board of Directors Council of Alcohol and Drug Abuse Advisory Board for Hispanic Initiative.

What alcohol can do to your brain. Presentation to three sections of 8th graders

Radio talk show/interview Radio Tropical, Gretna LA “*Alcoholismo*”.

Council of Alcohol and Drug Abuse (CADA) in New Orleans.

Speaker of Science, sponsored by the National Science Foundation. Louisiana middle and high school speaker on females in science and on impact of alcohol on teenage brain.

2005–Pres. Speaker on Teenage Alcohol Abuse; Jesuit High School and Cabrini High School

2005 Key note speaker on alcohol and teenage brain development. Jesuit High School Town Hall Meeting, 2005. Audience, parents of all incoming 8th graders. New Orleans, LA.

2005 "Alcohol Intoxication" talk for a group of 24 seventh graders.St. Margaret Mary Middle School, Slidell LA.

2005 Community School for Apprenticeship Learning, Baton Rouge, LA

2006 Alcohol and drug abuse prevention workshop. Roosevelt High School, New Orleans, LA.

2007–2009 Vice-President Hispanic American Medical Association of Louisiana, Auxiliary

2007–2010 Councilor, Hispanic American Association of Louisiana

2007–2010 Council at Large, Hispanic American Medical Association of Louisiana

2008 Chapelle High School Career Day

2009 Radio Show “Alcoholismo” KGLA/Radio Tropical. WLTV4 “Addiction and Obesity” Interview.

2009 Host for 5th annual LSUHSC School of Graduate Studies and NOLA

Public Schools Science Partnership Field trip.

2013 NOAIDS Task Force “Impacto del alcohol en el progreso del VIH.

2013 WWL 870 AM, 105.3 FM, and wwl.com, Interviewed for news stories on the impact of marijuana use on glucose, insulin, and insulin resistance.

2013 Radio interview WWL First News (WWL 870 AM, 105.3 FM) with Tommy Tucker about NTSB recommendation to lower the alcohol limit for driving.

2013 WWL 870 AM, 105.3 FM, and wwl.com. Interview “Effects of Alcohol on the Body”

2014 WVUE-TV, Fox 8, Interview “Women’s History Month & National Women and Girls HIV/AIDS Awareness Day”

2014 Sparkle Williams interview

**Outreach Activities:**

2007 Ben Franklin Visit to LSUHSC

2008 New Orleans Recovery School District/LSUHSC Science Partnership Volunteer; Banneker Elementary School, New Orleans, LA; 2 visits to the classroom

* Discussion of my research (alcohol intoxication and hemorrhage)
* Animal adaptations to different environments
* Exercise

2008 New Orleans Recovery School District/LSUHSC Science Partnership Volunteer; Banneker Elementary School, New Orleans, LA field trip to LSUHSC

* Effects of alcohol on blood pressure (intoxication goggles demonstration)

2008 Physiology Pun Week participant; Banneker Elementary School, New Orleans, LA

* Discussion on my research (alcohol intoxication and hemorrhage)
* The physiology of exercise (The Elvis Experiment)

2009 New Orleans Recovery School District/LSUHSC Science Partnership Volunteer; Banneker Elementary School, New Orleans, LA

* Discussion on my research (alcohol intoxication and hemorrhage)
* Nutrition
* Food Groups

2009 New Orleans Recovery School District/LSUHSC Science Partnership Volunteer; Banneker Elementary School, New Orleans, LA field trip to LSUHSC

* Effects of alcohol on reflexes (intoxication goggles)

2009 Physiology Pun Week participant; Lake Castle Private School Madisonville, LA

* What is Physiology?
* Blood pressure/Heart rate

2009 “Para un future major” (for a better future) a program of the Council on Alcohol and Drug Abuse (CADA); local Hispanic high school students field trip to LSUHSC

* Effects of alcohol on the human body
* Intoxication goggles
* Discussion on careers in science

2013 Lake Castle Private School, Madisonville, LA. Presentation to 3-6th graders “Girls and Boys can be Scientists”. Oct 14, 2013.

2014 Holy Cross high School Biology 1 and AP biology, tour of the labs.