

CURRICULUM VITAE

Name:

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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

Awards and Honors:

Outstanding Graduate Student, LSUMC, New Orleans 1989.
Honorary Consul General of El Salvador, New Orleans (2001-2008)
Organizer and Chair of Consensus Workshop on: Allostatic load and the response to injury and trauma. NIGMS, March 20-21, 2003.
Richard Ashman Professor of Physiology, LSUHSC (2006-Present)
Vice-Chair National Hispanic Science Network on Drug Abuse (2007-2010)
Top Ten Female Achievers, New Orleans Magazine (2007)
Councillor for the Association of Chairs of Departments of Physiology (2010-2012)
Chair National Hispanic Science Network on Drug Abuse (2010-present)
Louisiana Pathfinder Award 2011

Academic, Professional, and Research Appointments:

INSTITUTION	RANK	PERIOD OF APPOINTMENT
LSUHSC, NO	Department Head	2008-Present
LSUHSC, NO	Professor with Tenure	2004-Present
LSUHSC, NO	Associate Professor	09/99-2004
LSUHSC, NO	Gratis Associate Professor	09/97-09/99
North Shore University Hospital, NY	Chief Surgical Research	10/96-09/99
Brookhaven National Lab., NY	Guest Scientist	10/96-09/2000
State University of NY, Stony Brook	Research Associate Professor	05/96-09/96
State University of NY, Stony Brook	Research Assistant Professor	07/92-05/96
Vanderbilt University, Nashville TN	Research Instructor	08/90-06/92

Membership in Professional Organizations:

American Physiological Society
Shock Society
American Association for the Advancement of Science
International Society for Neuroimmunomodulation
Research Society for Alcoholism
National Hispanic Science Network on Drug Abuse
Endocrine Society
Society of Neuroimmunopharmacology

Teaching Experience/Responsibilities

1988-1989 Nursing Physiology-Renal Physiology, muscle and parturition lectures (9 hr/yr) LSU.
1989 Allied Health Physiology-Renal physiology and acid-base lectures (6hr/yr) LSU.
1991 Preceptor for 1st and 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 Introduction to Metabolic Research. Summer lecture series, Division of Surgical Research, SUNY Stony Brook.
- 1996 1st year Medical Nutrition Course; Vitamin and Women's Nutrition Lectures.
- 2000 Introduction to Clinical Medicine; GI; Back to Basics. Drs. Cassidy & Bagwell. 2h, 2nd year medical students
- 2000 Graduate Cell Biology Course. Signal transduction and Cell signaling 2 h. Course Director C. Hornick.
- 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 hours), GI physiology (4 h), Gregory Bagby, Course Director.
- 2002-2003 Graduate Cell Biology Course. Signal transduction and Cell signaling 3 h. Course Director C. Hornick.
Medical Physiology. Muscle Lectures (2 h & lab), Liver lectures (2 h), Endocrine introduction, hypothalamus, pituitary, thyroid, parathyroid, adrenal (7 h).
- 2003-Present Medical Physiology (muscle (2), liver (2), endocrine (12)); Endocrine Physiology Review (2);
- 2003-Present Graduate Endocrine Physiology (Course Director & lecturer; 3 h credit)
- 2003-2005 Perspectives in Alcohol Research (Program Coordinator)
- 2005-Present Medical Spanish Elective (Course Director & Lecturer, 2 h credit, Spring semester)
- 2005-Present Perspectives in Alcohol Research Elective (Course Director & Lecturer; 1h credit)
- 2005-Present Endocrine block for Biological Systems (IDP program; Block director & lecturer)
- 2006-Present Endocrine Pathophysiology (Lecturer Nursing and CARE programs 3 h/course twice a year)
- 2005-Present Growth and Development Lecture (3 hours), Dental students
- 2006-2008 Lecturer APS Professional Development Skills Workshops

Undergraduate, Graduate, Resident, Fellow, Post-doctoral Instruction

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|-----------------------|--|
| July 1992-May 1993 | Khalil Yousef, MD. Stony Brook Surgical Resident |
| Jan 1994-Dec 1994 | Jeroen Meijerink, MD, PhD. Netherlands. |
| Sept. 1994-Oct. 1996 | Samuel Bundz, MD. Stony Brook Surgical Resident |
| March 1995-Sept. 1995 | Shihab Khogali, MD, PhD. Scotland |
| Aug. 1993-Oct. 1995 | Yoshiro Hashiguchi, MD, PhD. Japan |
| July 1995-June 1996 | Saied Malek, MD. Baharain |
| July 1998-Sept 1999 | Nasim Ahmed, MD. North Shore University Hospital |
| October 2000-May 2001 | Danielle Williams. Xavier University, NOLA. |
| June 2000-June 2001 | Herbert Phelan, MD. LSUHSC Postdoctoral fellow |
| October 2000-2003 | Kirsten Zambell, PhD. LSUHSC Postdoctoral fellow |
| January 2002-2005 | Diego Niño, MD. Graduate Student LSUHSC |
| September 2002-03 | Muñeca Slade, Undergraduate student |
| July 2004-2008 | Keisa Williams Mathis, MS, PhD |
| July 2004-2005 | Jaquelin Varela, Graduate Student. LSUHSC |
| June-August 2004 | Ze Zhang, Undergraduate summer research |
| July 2005-2007 | Patrick Greiffeinstein, MD. LSUHSC Postdoctoral fellow |
| June-August 2005 | O'Keith Dellafosse, Medical student summer research |
| June-August 2005 | Jeremy Daigle, Medical student summer research |

June-August 2005	Rachel Rider, Undergraduate summer research
October 2006-April 2007	Tiffany Best, Undergraduate research
April 2007-2012	Annie Whitaker, PhD student
May 2007-Present	Jesse Sulzer, MD/PhD candidate
May 2008-Nov 2010	Edith Walker, PhD candidate
June 2008-2009	Tesslyn Land, Xavier University undergraduate
Jan 2009-May 2009	Chris Hakenjos, Cardiopulmonary Sciences student
June 2009-Aug 2009	Sophie Giberga, High School student
2011-Present	Sophie Teng, MD/PhD candidate
Summer 2012	Daniel Punecky, MD student
2011-Present	Emily Rogers, student worker
2010-Present	Flavia Souza-Smith, PhD; post-doctoral fellow
2010-2012	Andrew Prince, Undergraduate summer research
2010-2012	Brandon Jones, Undergraduate summer research
2011-2012	Valerie Piet, PhD student
Summer 2012	Laura Decker, High School Teacher
2012- Present	Megan Armstrong, PhD; post-doctoral fellow
2012- Present	Tracy Dodd, PhD; post-doctoral fellow
2012- Present	Paige Katz, PhD; post-doctoral fellow
2012- Present	Matthew Auten, PhD; post-doctoral fellow
2012- Present	Whitney Nichols, MD/PhD candidate

Grants & Contracts:

MOLINA, PE

ACTIVE

1U01AA21995-01 (Molina)	9/15/12 – 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.

5R01 DA020419-05 (Molina)	8/7/06 - 3/31/13	1.8 calendar
NIDA	\$482,055/yr	

Cannabinoid Effects on HIV/AIDS

The major goals of this proposal are to characterize the chronic effects of cannabinoids on a variety of parameters (e.g., body weight, viral load, immunological markers and neuropsychological functioning) in SIV- and sham-infected rhesus monkeys.

5 P60 AA09803-19 (Nelson)	12/1/09-11/30/14	2.4 calendar
NIH/NIAAA	\$1,525,008	

Alcohol, HIV Infection and Host Defense

My role in this project is as Principal Investigator of Research Component 5 “Alcohol, SIV, and ART Neuroendocrine and Metabolic Dysregulation”. The studies in this research component aim to quantify the combined impact of chronic alcohol feeding, SIV infection, and ART on skeletal muscle, bone, and adipose tissue mass and functional metabolic phenotype; elucidate the co-morbid effects of chronic alcohol administration, SIV infection and ART on the neuroendocrine and skeletal muscle anabolic response to controlled calorie/nutrient feeding; and determine the

tissue mechanisms by which ART and alcohol increase loss of functional metabolic tissue mass in SIV-infected macaques.

5 P60 AA09803-19(Nelson) (PI) 12/1/09-11/30/14
NIH/NIAAA

Alcohol, HIV Infection and Host Defense

My role in this project is as Academic Research Coordinator, Administrative Component
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.

P20 GM103514-10 (Kapusta) 9/1/03- 6/30/13 0.6 calendar
NIH/NCRR \$1,464,078/yr

Mentoring in Cardiovascular Biology

My role in this project is to serve as a mentor for trainees on the Cardiovascular COBRE.

Biomedical Alcohol Research Training Program 9/01/09-8/31/14

5T32 AA07577-14 (Bagby) NIAAA \$374,370/yr 9/22/99 – 8/31/14

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.

Role: Co-director

5R13 DA026647-04 (Molina) 6/1/09 – 5/31/14 0.6 calendar
NIH/NIDA \$135,036/yr

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

The Annual National Hispanic Science Network on Drug Abuse Conference will promote bidirectional translational research ranging from bench to community and a trans-disciplinary cross-fertilization of ideas among scientists from all fields of drug abuse.

5R01DA030053-03 (Molina) 7/1/10 - 2/28/15 2.4 calendar
NIH/ NIDA \$836,482/yr

Cannabinoid Epigenomic and miRNA mechanisms impact HIV/SIV disease progression

The major goals of 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 rhesus macaques.

Role: PI

W81XWH-11-2-0011 (Molina) 10/4/10 - 11/31/13 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: PI

1R25AA021304-01 (Gregory, Molina) 04/05/2012 – 03/31/2017 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.

1T35AA021097-01 (Gregory, Molina) 04/01/2012 – 03/31/2017 0 calendar
 NIAAA/NIH \$21,860

Medical Student Alcohol Research Internship

To provide LSU medical students with an opportunity to conduct research on alcohol related disease. The students will not only work with members of the Alcohol Research Center, but will also interact with the trainees on the NIAAA T32.

COMPLETED

5R01 DA030053-03S1 6/1/12 – 8/1/12

Summer Research with NIDA (Molina)

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

R01 DA020419-04S3 (Molina) 10/1/09 - 9/30/12 0.6 calendar
 NIH/NIDA \$77,101/yr

Cannabinoid Effects on HIV/AIDS

The purpose of the administrative supplement is to extend our ongoing studies to female animals. Limited research in drug abuse is conducted in females. There are substantial differences in the hormonal, neurobehavioral, immunological, and pharmacological responses between males and females. Programs and therapeutics designed for males may not have the same efficacy in females. Progression and course of the disease during drug abuse may also be altered in females.

R01 DA020419-04S1 (Molina) 4/1/09 – 3/31/12 0.6 calendar
 NIH/NIDA \$101,097/yr

Cannabinoid Effects on HIV/AIDS

The proposed studies build on the ongoing studies; make use of the existing infrastructure and unique animal model of simian immunodeficiency virus (SIV) infection in non-human primates subjected to chronic cannabinoid administration. Focus on gut associated lymphoid tissue.

3 R01 DA020419-02S1 (Molina) 8/10/06 – 3/31/12 0.6 calendar
 Cannabinoid effects on HIV/AIDS \$115,000/yr
 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 is a supplement to the parent grant, which will be performed in Beijing at the Laboratory for Animal Sciences under direction of Dr. Zhiwei Chen from the Hong Kong AIDS Institute.

PR 054196 (Molina) 4/3/06-4/2/11 2.4 calendar

Department of Defense	\$100,647/yr	
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.		
Translational Studies on the Consequences of Alcohol Intoxication on Outcome from Traumatic Injury	1/1/09-12/31/09	0.2 calendar
LSUHSC Translational initiative	\$65,000/yr	
Cannabinoid Effects on HIV/AIDS	6/20/09 – 9/31/09	
R01 DA020419- 04S2 NIH/NIDA (Molina)	\$19,754/yr	0 calendar
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: PI		
R13 NIAAA00448747 (Molina)	9/1/08-8/30/09	0.6 calendar
NIAAA	\$100,000/yr	
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.		
Hispanic Drug Abuse Research, Application to Practice:		
A National Videoconference Training Program	1/1/09-8/31/09	0.6 calendar
DHHS Office of Minority Health	\$20,000	
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 NIAAA 13543-05 (Molina)	7/1/02 – 6/30/09	2.4 calendar
NIAAA	\$309,964/yr	
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.		
NSF(2008) PFund 103 (Molina)	4/01/08 – 3/31/09	0.6 calendar
Board of Reagents	\$10,000/yr	
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.		
Summer Research with NIDA (Molina)	6/1/08-8/1/08	0.3 calendar
DA020419-02S2	\$6,500	
This project will provide training opportunity for an undergraduate student during a period of 8-10 weeks during the summer of 2008.		
P20 RR016816-06 (Bazan, N.)	2/1/07 – 1/31/12	1.2 calendar
NIH/NCRR	\$1,614,799/yr	

Mentoring Neuroscience in Louisiana

My role in this project is to serve as a mentor for trainees on the Neuroscience COBRE.

1R13GM080954-01 (Kovacs)

Role in Project: Co-Investigator and Organizer

Alcohol and Trauma

6/1/07 – 5/31/08

The goal of this project was to organize a satellite symposia at the SHOCK society meeting in Baltimore in 2007.

1 U01 AA014293-01 (Nelson)

Alcohol Research Planning and Development Program 4/1/03-3/31/06

Role in Project: Co-investigator

\$ 248,105

The goals of this project were to develop a research program with Xavier School of Pharmacy. Develop a research plan that will enable Xavier Faculty to establish research programs. In addition, the education aspect will focus on developing courses that will better prepare Pharmacy students to deal with drug-alcohol interactions.

Louisiana Health Excellence Fund (Shellito) 6/1/00-5/31/05

Role in project: Project 3 PI

“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.

1R13 AA 13578-01 (Molina)

Alcoholism and Disease: Immune and Pathological Mechanisms 10/1/01-9/31/02

The goal of this project was to organize two symposia at the Experimental Biology meeting in New Orleans in 2002.

NOOO14-97-1-0248 (Molina)

2/1/97 - 1/31/06

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.

RO1GM50567-03 (Abumrad)

8/1/93 - 7/31/97

Surgery--Protein Breakdown and Endogenous Opiates

Role in Project Co-investigator

The goal of this project was to define the temporal changes in the responses of β -endorphin and non-peptide opioid alkaloids during the stress of surgery and trauma.

Pilot and Feasibility Project (Molina)

Clinical Nutrition Research Unit, Vanderbilt

1/1/91-1/12/92

Ethanol-thiamine interactions in energy metabolism.

The goal of this project was to examine the contribution of alcohol-induced alterations in thiamine metabolism to the observed derangements in intermediary metabolism of alcoholics.

RO1-DK-42562S1 (Abumrad)

Proteolysis in hypoglycemia - impact of CNS. 2/1/92 - 6/30/96

PI Supplement for underrepresented minorities.

The goal of this project was to examine the contribution of gut-derived proteolysis to the overall counterregulatory response to insulin-induced hypoglycemia.

Bel Memorial Fellowship (Molina)

AHA, Louisiana Chapter. 1990-1992

Mechanisms of the sepsis-induced splanchnic hyperemi. (declined due to relocation)

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

LSUHSC Institutional Committee Responsibilities

2003-Present	IACUC
2004-Present	Animal Care Advisory Committee
2004-Present	MD/PhD Admissions Committee
2006-2008	Appointments, Promotions and Tenure Committee
2004-Present	Diversity Committee
2008-2010	LCME Self Study Committees

Extramural appointments or offices held

Councilor APS Endocrine and Metabolism section (2002-2009)

Member and Chair APS International Committee (2003-2007)

Member NHSN Steering Committee (2003-present)

Member National Hispanic Science Network 3rd Scientific Meeting Planning Subcommittee (2003-Present)

Chair Membership Subcommittee NHSN (2004-Present)

President Gulf Coast Physiological Society (2003-2004)

Basic Science Councilor Shock Society (2004-2008)

Councilor for Endocrine and Metabolism section of the American Physiological Society (2003-2010)

Member NIDA Minority Health Disparities Work Group (2004)

Member at Large US National Committee for the International Union of Physiological Sciences (USNC/IUPS) July 1, 2004-2007)

Chair Porter Development Committee, American Physiological Society (2008-2011)

Councilor Association Chairs Department of Physiology (2009-2012)

AHA Southeastern Affiliate Council Member (2008-2011)

Chair national Hispanic Science Network (2010-present)

Councilor American Physiological Society (2010-2013)

Member of the National Advisory Council on Alcohol Abuse and Alcoholism (2012-)

Review Activities

Member NIAAA Board of Scientific Counselors (2002-2006)

NAED (NeuroAIDS and End-Organ Diseases Study Section) (2006)

New England National Primate Research Center Special Emphasis Panel (June 2007)

Permanent member Biomedical Research Review Subcommittee AA-11 (2007-2010)

Pathogenesis of NeuroAIDS and Alcohol Abuse ZAA1 BB (8/2007)

NIDA Avant Garde Special Emphasis Panel/SRG 2008/08 ZDA1 NXR-B (5/2008)

Special Emphasis Panel/Scientific Review Group 2008/08 ZHL1 CSR-H (7/2008)

Congressionally Directed Medical Research Program (2008-Present)

NIDA Intramural Board of Scientific Concilors (2009-2012)

Special Emphasis Panel ZAA1 JJ (06) RFA-AA-09-006 mechanism of Alcohol-Induced Organ Damage (2009)
Special Emphasis Panel/Scientific Review Group 2010/01 SAT (2009)
Challenge Grant NHLBI ZRG1 AARR-C (57) S (2009)
Chair Biomedical Research Review Subcommittee AA-11 (2009-2012)
NIAAA T-32 Review Committee (2010)
Special Emphasis Panel/Scientific Review Group 2011/05 AA-4 (2011)
Special Emphasis Panel/Scientific Review Group 2011/01 ZAA1 HH (01) (2010)
NIDA Minority and Health Disparities workgroup (2011)

Scientific presentations

Oxyradical mediate injury occurs on reperfusion of ischemic rabbit heart. Abstract, FASEB. 46:831, 1987.

Ethanol administration blunts the bacterial endotoxin-induced increases in glucose metabolism. Research Society of Alcoholism Scientific Conference, June 1988, Beaver Creek, Colorado.

Oxidation is not required for ethanol to attenuate lipopolysaccharide (LPS)-enhanced carbohydrate metabolism. The Fifth Congress of the International Society for Biomedical Research on Alcoholism, 1990.

Ethanol attenuates the endotoxin-enhanced glucose utilization. FASEB: 1990.

Percent contribution of the lipolytic, glycolytic and proteolytic substrates to enhanced hepatic glucose output of insulin-induced hypoglycemia. FASEB:Vol 5:1649, 1991.

Whole body glucose metabolism in subclinical thiamine deficiency (TD). FASEB:Vol 6:6284, 1992.

Tissue protein synthesis; central effects of opiates. Experimental Biology Washington DC, April 14-17th, 1996.

Impact of hemorrhage resuscitation fluid lactate content; cardiac and metabolic effects. 19th Annual Conference on Shock. Grand Traverse Village, MI. June 2-5, 1996.

Differential tissue cytokine response to hemorrhage and lipopolysaccharide (LPS). 4th Congress on the Immune Consequences of Trauma, Shock and Sepsis. March 4-8th, 1997. Munich, Germany.

Neural-Opiate-Cytokine Pathway Activation During Hemorrhage. 20st Annual Conference on Shock, June 15-18th, 1997. Indian Wells, CA.

Contribution of excitatory amino acids to counterregulation during insulin-induced hypoglycemia. Falk Symposium No 103, October 4-5, 1997. Freiburg, Germany.

Alcohol modulation of hemorrhage-induced neuro-inflammatory response. Alcohol-induced immunopathology Symposium. New Orleans, LA. October 17-18, 1997.

Differential regulation of hemorrhage-induced cytokine activation; central vs. peripheral sympathetic nervous systems. Society for Neuroscience, October 25-30th, 1997. New Orleans, LA.

Sympathetic Modulation of hemorrhage-induced increase in tissue cytokines. Inflammation and the Surgical Patient: Mechanisms and therapy in trauma and burns. Snowbird Utah, January 31-Feb 4, 1998.

Histaminergic contribution to the metabolic effects of neuroglucopenia. Experimental Biology, April 18-21, 1998. San Francisco, CA.

Endotoxicosis and Hemorrhage; Tissue Cytokine and Associated Neuro-Hormonal and Opioid Alterations. 21st Annual Conference on Shock, June 14-17th, 1998. San Antonio, TX

Sympathetic modulation of hemorrhage induced lung injury. 17th Summer Symposium in Molecular Biology, Penn State University Park, PA. July 29-31, 1998.

Cytokines in Hemorrhagic Shock. Conference on Resuscitation fluid design and resuscitation protocols for combat casualties. National Academy of Sciences, Washington DC. September 17-18, 1998.

Neuroendocrine and Inflammatory responses to hemorrhagic shock. Invited lecture; Picower Institute for Medical Research, Manhasset, NY. November 18, 1998.

Hemorrhage-induced small intestine injury is attenuated by opiate blockade. *Experimental Biology*, Washington DC, April 17-21, 1999.

Neuroendocrine responses to hemorrhagic shock; impact on cytokine responses. ONR workshop on basic and applied combat casualty care research. Philadelphia, PA June 10-12, 1999.

Cytokines in Shock: Pro and anti-inflammatory effect. Trauma Symposium Update 1999. North Shore University Hospital, Manhasset, NY. August 6, 1999.

Opiate modulation of hemodynamic, hormonal and TNF responses to hemorrhage. 14th International Shock Congress, Philadelphia, PA, June 12-16, 1999.

Hemodynamic and Inflammatory Responses to Hemorrhagic Shock; Contribution of Endogenous Opiates. World Congress on Trauma, Shock, Inflammation and Sepsis. Munich, Feb 29-March 4th, 2000.

The role of opiate and serotonin pathways in the stress/septic response. 23rd Annual Conference on Shock. June 3-6th, 2000 Snowbird Utah. (Session chair and speaker).

Organizer, Chair and Speaker Comorbidity of Alcohol and Other Pathologic States. Research Society of Alcoholism, June 29, 2000. Denver Colorado.

Organizer for Cytokines & the Brain, A Satellite Symposium for the Neuroscience 30th Annual Meeting, November 2-4th, 2001. Cytokines in ischemia: neurotoxic or neuroprotective? Overview and Introduction. Cytokines and the Brain II, satellite symposium to the Society of Neuroscience 30th annual meeting. New Orleans, LA November 2-4, 2000. (Organizer, Chair and Introductory speaker of session).

Stress-specific opioid modulation of hemodynamic responses FASEB Symposium.

Cardiovascular effects of opioid peptides (chaired by Dr. Dan Kapusta). Orlando, Fla. April 4th, 2001.

Pain Impact on the Pathophysiology of Shock. Combat Fluid Resuscitation 2001, Uniformed Services University of the Health Sciences, Bethesda, MD June 18, 2001.

Impact of alcohol on trauma. In session; New Aspects in Immunomodulation by Alcohol, Research Society on Alcoholism, Montreal, Canada. June 24th, 2001.

Organizer & Chair Roundtable Discussion: Molecular pathology and clinical aspects of alcohol-induced tissue injury. Research Society of Alcoholism June 24, 2001, Montreal Canada.

Metabolic and Inflammatory contribution of Alcohol to Trauma-Induced Tissue Injury. In session: Molecular Pathology and Clinical Aspects of Alcohol-induced Tissue Injury (Organizer, Chair and speaker) Research Society of Alcoholism, Montreal, Canada, June 25, 2001.

Alcohol intoxication impairs hemodynamic and neuroendocrine counterregulation to hemorrhagic shock. FASEB New Orleans, LA., 2002.

Organizer and Chair. Neural Immune Mechanisms in Innate Host Defense: Do they Contribute to Alcohol Immunosuppression? April 20, 2002 New Orleans, LA. Sponsored by the International Society for NeuroImmunoModulation.

Pain modulation of pain responses, Shock Society, Big Sky Montana, June 8-12, 2002.

Morphine modulation of inflammatory responses to hemorrhage, ATACCC, St. Petersburg, Florida 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, May 9th, 2003. Universidad Francisco Marroquin, Guatemala, CA.

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

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

Acute alcohol intoxication alters the neuroendocrine response to fixed volume hemorrhage in rats. Research Society for Alcoholism, Ft. Lauderdale, Fla., 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 Fla. September 18-20, 2003.

Contribution of analgesia to impaired outcome from trauma/hemorrhage. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference. St. Petersburg Fla. 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, CA Oct 29, 2003.

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

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, CA. June 7, 2004

Chronic alcohol impact on SIV-associated wasting. Research Society for Alcoholism, Vancouver, CA, 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. July 15th, 2005 Woods Hole, Massachusetts.

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

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

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

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

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

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

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, April 3rd, 2005. San Diego, CA.

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

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

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

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

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

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

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

Impact of acute moderate alcohol intoxication on outcome from hemorrhage. Experimental Biology, San Francisco, 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. Saturday, April 29th, 2006. Guadalajara, Mexico.

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

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

Chair National Hispanic Science Network Scientific Conference; Drug Abuse and HIV/AIDS, Phoenix Arizona, 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, Utah 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, 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 RSA Grantsmanship Satellite, San Diego, California. June 2009

Alcohol biomedical consequences and impact on progression of disease (speaker) in Alcohol-HIV-ART Biomedical Consequences and Interactions (Organizer & Chair). RSA, 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, Missouri, September, 2009

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

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 Neuroimmunopharmacology meeting, Manhattan Beach, California. April, 2010.

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

Alcohol, Drugs of Abuse, and HIV; Beyond Risk Factors. Research Seminar, Department of Physiology, Tulane University, 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 Δ^9 -THC modulation of simian immunodeficiency virus infection. 21st Annual Symposium of the International Cannabinoid Research Society, July 6-9, 2011, Pheasant Run, St. Charles, Illinois.

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.

In "Health Equity in the Hispanic Population; the Science Behind It" (Molina Organizer and Chair), 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, Hawaii April 29th, 2012.

Core mechanisms of alcohol-induced multi-organ & tissue injury. RSA, 35th Annual Scientific Meeting, San Francisco, CA June 26th, 2012 (Organizer, Introduction & Chair).

Stem cells and epigenetics; research at the frontier of biomedical consequences of chronic alcohol consumption. RSA, 35th Annual Scientific Meeting, San Francisco, CA June 2012 (Organizer, Chair, Introduction).

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 Δ^9 -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.

Refereed Journal Publications:

1. Molina PE, Lang CH, Bagby GJ, D'Souza NB, Spitzer JJ. Ethanol Administration Diminishes the Endotoxin-Induced Increases in Glucose Metabolism. *Alcoholism Clin. Exp. Res.* 13:407-12, 1989. PMID: 2665557
2. Molina PE, Lang CH, Bagby GJ, Spitzer JJ. Ethanol Attenuates Endotoxin-Enhanced Glucose Utilization. *Am. J. Physiol.* 258:R987-93, 1990. PMID: 2184686
3. Molina PE, Lang CH, Bagby GJ, Spitzer JJ. Ethanol Oxidation is not Required for Ethanol to Attenuate Endotoxin-Enhanced Carbohydrate Metabolism. *Am. J. Physiol.* 260: R1058-65, 1991. PMID: 2058733
4. Lang CH, Molina PE, Abumrad NN. Granulocyte Colony-Stimulating Factor Prevents Ethanol-Induced Impairment in Host Defense in Septic Rats. *Alcoholism Clinical and Experimental Research* 17:1268-74, 1993. PMID: 7509576
5. Molina PE, Tayeb KE, Hourani H, Okamura K, Williams P, Abumrad NN. Hormonal and Metabolic Effects of Neuroglucopenia. *Brain Res.* 614:99-08, 1993. PMID: 8348333
6. Lang CH, Molina PE, Yousef KA, Tepper PG, Abumrad NN. Role of IL-1a in Central Nervous System Immunomodulation of Glucoregulation. *Brain Res.* 624:53-60, 1993. PMID: 82524

7. Lang CH, Molina PE, Skrepnick N, Bagby GJ, Spitzer JJ. Epinephrine-Induced Changes in Hepatic Glucose Production After Ethanol. *Am J. Physiol.* 266:E863-69, 1994. PMID: 80239
8. Molina PE, Tepper PG, Yousef KA, Abumrad NN, Lang CH. Central NMDA Enhances Hepatic Glucose Output and Non-Insulin-Mediated Glucose Uptake by a Noradrenergic Mechanism. *Brain Res.* 634:41-48, 1994. PMID: 8156391
9. Yousef KA, Tepper PG, Molina PE, Abumrad NN, Lang CH. Differential Regulation of Stress Hormone Response and Glucose Metabolism by NMDA and Kainate. *Brain Res.* 634:131-40, 1994. PMID: 8156383
10. Molina PE, Lang CH, Yousef KA, Tepper PG, Abumrad NN. Thiamine Deficiency Impairs Endotoxin-Induced Increase in Hepatic Glucose Output. *Am. J. Clin. Nutr.* 59(5):1045-49, 1994. PMID: 8172089.
11. Molina PE, Myers N, Smith RM, Lang CH, Yousef KA, Tepper PG, Abumrad NN. Nutritional and Metabolic Characterization of a Thiamine-Deficient Rat Model. *J. Parent. Ent. Nutr.* 18:104-11, 1994. PMID: 8201744
12. Molina PE, Hashiguchi Y, M Ajmal M, Mazza M, Abumrad NN. Differential Hemodynamic, Metabolic and Hormonal Effects of Morphine and Morphine-6-Glucuronide. *Brain Res.* 664:126-32, 1994. PMID: 7895021.
13. Molina PE, Abumrad NN. Gut Derived Proteolysis During Insulin-Induced Hypoglycemia; The Pain that Breaks Down the Gut. *J. Parent. Ent. Nutr.* 18:549-56, 1994. PMID: 7602732
14. Molina PE, Abumrad NN. Metabolic Effects of Opioid Peptides and Opiate Alkaloids. *Adv. Neuroimmunology* 4(2):105-16, 1994. PMID: 7952827
15. Petit F, Jarrous A, Dickinson RD, Molina PE, Abumrad NN, Lang CH. Contribution of Central and Peripheral Adrenergic Stimulation to IL-1 α -Mediated Glucoregulation. *Am J. Physiol.* 267:E49-56, 1994. PMID: 8048512
16. Molina PE, Jabbour K, Williams P, Abumrad NN. Effect of Acute Ethanol Intoxication on Glucoregulation During Prolonged Insulin-Induced Hypoglycemia. *Am. J. Physiol.* 267:R1280-87, 1994. PMID: 7977855
17. Fan J, Molina PE, Gelato MC, Lang CH. Differential Tissue Regulation of Insulin-Like Growth Factor-1 Content and Binding Proteins after Endotoxin. *Endocrinology* 134:1685-89, 1994. PMID: 7511091
18. Molina PE, Hashiguchi Y, Meijerink J, Boxer R, Naukam R, Abumrad NN. Modulation of Endogenous Opiate Production: Effect of Fasting. *Biochim. Biophys. Res. Comm.* 207:312-17, 1995. PMID: 7857282
19. Abumrad NN, Kim S, Molina PE. Regulation of Gut Glutamine Metabolism: Role of Hormones and Cytokines. *Proc. Nutr. Soc.* 54:525-33, 1995. PMID: 8524899
20. Hashiguchi Y, PE Molina, NN Abumrad. Morphine-3-Glucuronide: Hyperglycemic and Neuroendocrine Potentiating Effects. *Brain Res.* 694:13-20, 1995. PMID: 8974636
21. Hashiguchi Y, PE Molina, NN Abumrad. Modulation of Metabolic Effects of Morphine-6-Glucuronide by Morphine-3-Glucuronide. *Brain Res. Bull.* 38(4):325-29, 1995. PMID: 8535854
22. Bundz S, PE Molina, CH Lang, NN Abumrad. Endogenous Opiates do not Modulate the LPS-Induced Alterations in Glucose Metabolism. *Shock* 4(6):397-02, 1995. PMID: 8608395
23. Molina PE, G Tiao, J Meijerink, PO Hasselgren, NN Abumrad. Sepsis-Induced Increase in Brain Endogenous Morphine: Regulator of Proteolysis. *Surg. Forum XLVI:* 4-6, 1995.
24. Meijerink WJH, PE Molina, CH Lang, NN Abumrad. Contribution of Excitatory Amino Acids to Morphine-Induced Metabolic Alterations. *Brain Res.* 706 (1):123-28, 1996. PMID: 8720499

25. Molina PE, J Fan, M Gelato, CH Lang, NN Abumrad. Modulation of Insulin-Like Growth Factor-I: A Specific Role for Vitamin B1 (Thiamine). *Nutritional Biochemistry* 7:207-13, 1996. Hashiguchi Y, PE Molina, J Fan, CH Lang, NN Abumrad.. Central Opiate Modulation of Growth Hormone and IGF-I. *Brain Res. Bull.* 40(2):99-04, 1996. PMID: 8724426
26. Delman K, S Malek, S Bundz, NN Abumrad, CH Lang, PE Molina. Resuscitation with Lactated Ringer's Solution After Hemorrhage: Lack of Cardiac Toxicity.. *Shock* 5(4):298-03, 1996. PMID: 8721391
27. Hashiguchi Y, PE Molina, V Preedy, M McNurlan, PJ Garlick, NN Abumrad. Central Effects of Morphine and Morphine-6-Glucuronide on Tissue Protein Synthesis. *Am. J. Physiol.* 271:619-25, 1996. PMID: 8853383
28. Cersosimo E, M Ajmal, RJ Naukam, PE Molina, NN Abumrad. Role of the Kidney in Plasma Glucose Regulation During Hyperglycemia. *Am. J. Physiol.* 272:E756-61, 1997. PMID: 9176172
29. Cersosimo E, PE Molina, NN Abumrad. Renal Glucose Production During Insulin-Induced Hypoglycemia. *Diabetes* 46(4):643-46, 1997. PMID: 9075805
30. Molina PE, P Williams, NN Abumrad. Histaminergic Contribution to the Metabolic Effects of Neuroglucopenia. *Am. J. Physiol.* 272:R1918-24, 1997. PMID: 9227608
31. Hashiguchi Y, PE Molina, S Dorton, MA McNurlan, PJ Garlick, D Reddy, NN Abumrad. Central Opiate m-Receptor Mediated Suppression of Tissue Protein Synthesis. *Am. J. Physiol.* 273 (3):R920-27, 1997. PMID:9321868
32. Molina PE, S Malek, CH Lang, L Qian, R Naukam, NN Abumrad. Early Organ-Specific Hemorrhage-Induced Increases in Tissue Cytokine Content: Associated Neuro-Hormonal and Opioid Alterations. *J. Neuroimmunomod.* 4:28-36, 1997. PMID: 326742
33. Molina PE, Y-S Ding, FI Carroll, F Liang, N Volkow, N Pappas, M Kuhar, NN Abumrad, JS Gatley, JS Fowler. Fluoro-Norchloroepibatidine (¹⁸FNEPI); Preclinical Toxicological Studies. *Nuclear Medicine and Biology* 24:743-47, 1997. PMID: 9428600
34. Hashiguchi Y, PE Molina, R Boxer, NN Abumrad. Differential Responses of Brain, Liver and Muscle Glycogen to Opiates and Surgical Stress. *Surgery Today Jpn. J. Surg.*, 28(4): 471-74, 1998. PMID: 9590724
35. Cersosimo E, PE Molina, NN Abumrad. Renal Lactate Metabolism and Gluconeogenesis During Insulin-Induced Hypoglycemia. *Diabetes* 47(7):1101-06, 1998. PMID: 9648834
36. Molina PE, M Ajmal, NN Abumrad. Energy Metabolism and Fuel Mobilization: From the Perioperative Period to Recovery. *Shock* 9(4):241-48, 1998. PMID: 9565251
37. Molina PE, L Qian, D Schuhlein, R Naukam, H Wang, K Tracey, NN Abumrad. CNI-1493 Attenuates Hemodynamic and Pro-Inflammatory Responses to LPS. *Shock* 10(5):329-34, 1998. PMID: 9840647
38. Molina PE, NN Abumrad. Central Sympathetic Modulation of Tissue Cytokine Response to Hemorrhage. *Neuroimmunomodulation* May-Jun;6(3):193-00, 1999. PMID: 1023918
39. 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.* 26(2):249-50, 1999. PMID: 10100227
40. 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.* 26(1):139-48, 1999. PMID: 10096514
41. Landis CS, X Li, FW Telang, PE Molina, I Palyka, G Vetek, CS Springer. Equilibrium Transcytlemmal Water Exchange Kinetics in Skeletal Muscle in Vivo. *Magn Reson Med.* 42(3): 467-78, 1999. PMID: 10467291
42. Molina P.E., N. Ahmed, M. Ajmal, S. Dewey, N. Volkow, J. Fowler, N. Abumrad. Co-Administration of Gamma-Vinyl GABA and Cocaine: Preclinical Assessment of Safety. *Life Sciences* 65:1175-82, 1999. PMID: 10503933

43. Meijerink WJHJ, P.E. Molina, N.N. Abumrad. Mammalian Opiate Alkaloid Synthesis; Lessons Derived from Plant Biochemistry. *Shock* 12:165-73, 1999. PMID: 10485593
44. Wang H Wang, 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. Identification of HMG-1 as a Late Mediator of Endotoxin Lethality in Mice. *Science* 285(5425):248-51, 1999. PMID: 10398600
45. Sammi MK, Pan JW, Telang FW, Schuhlein D, Molina PE, Volkow ND, Springer CS, Hetherington HP. Measurements of Human Brain Ethanol T (2) by Spectroscopic Imaging at 4 T. *Magn Reson Med.* 44(1):35-40, 2000. PMID: 10893519
46. Volkow ND, Wang GJ, Fowler JS, Franceschi D, Thanos PK, Wong C, Gatley SJ, Ding YS, Molina P, Schlyer D, Alexoff D, Hitzemann R, Pappas N. Cocaine Abusers Show a Blunted Response to Alcohol Intoxication in Limbic Brain Regions. *Life Sci.* 66(12): PL161-67, 2000. PMID: 10737368
47. Gerasimov MR, Franceschi M, Volkow ND, Gifford A, Gatley SJ, Marstseller D, Molina PE, Dewey SL. Comparison Between Intraperitoneal and Oral Methylphenidate Administration: A Microdialysis and Locomotor Activity Study. *J Pharmacol Exp Ther.* 295(1):51-57, 2000. PMID: 10991960
48. Molina PE, NN Abumrad. Differential effects of Hemorrhage and LPS on tissue TNF, IL-1 and Associated Neuro-Hormonal and Opioid Alterations. *Life Sci.* 66(5):399-09, 2000. PMID: 1067088
49. Molina, PE and Abumrad NN. Contribution of Excitatory Amino Acids to Hypoglycemic Counter-Regulation. *Brain Research* 899:201-08, 2001. PMID: 11311881
50. Molina PE. Opiate Modulation of Hemodynamic, Hormonal and Cytokine Responses to Hemorrhage. *Shock* 15(6):471-78, 2001. PMID: 11386621
51. Molina PE, N Ahmed, J Gatley, ND Volkow, NN Abumrad. L-Tryptophan Modulation of Neurochemical and Behavioral Responses to Cocaine. *Life Sci.* 69(16):1897-06, 2001. PMID: 11693270
52. Molina, PE, Bagby GJ, Stahls P. Hemorrhage Alters Neuroendocrine, Hemodynamic and Cytokine Responses to LPS. *Shock* 16(6): 459-65, 2001. PMID: 11770045
53. Molina PE. Noradrenergic Inhibition of Stress-Induced TNF Upregulation in Hemorrhagic Shock. *J Neuroimmunomodulation* 9:125-33, 2001. PMID: 11752885
54. Molina PE. Stress-Specific Opioid Modulation of Hemodynamic Counterregulation. *Clin Exp Pharmacol & Physiol.* 29:248-53, 2002. PMID: 11906493
55. Molina PE, McClain C, Vallah D, Guidot D, Diehl AM, Lang CH, Neuman M. Molecular Pathology and Clinical Aspects of Alcohol-Induced Tissue Injury. *Alcoholism Clinical and Experimental Research* 26:120-28, 2002. PMID: 11821662
56. Phelan H, Stahls P, Hunt J, Bagby G, Molina PE. Impact of Alcohol Intoxication on Hemodynamic, Metabolic and Cytokine Responses to Hemorrhagic Shock. *J Trauma* 52(4):675-82, 2002. PMID: 11956381
57. Marsteller DA, Gerasimov M, Schiffer WK, Geiger JM, Barnett CR, Borg JS, Volkow ND, Molina PE, Alexoff DL, Dewey SL. Acute Handling Stress Modulates Methylphenidate Induced Catecholamines Overflow in the Medial Prefrontal Cortex. *Neuropsychopharmacology.* 27(2):163-70, 2002. PMID: 12093590
58. Molina, PE, JB Hoek, S Nelson, DM Guidot, CH Lang, JR Wands, JM Crawford. Mechanisms of Alcohol-Induced Tissue Injury. *Mechanisms of Alcohol-Induced Tissue Injury. Alcohol Clin Exp Res.* 27(3):563-75, 2003. PMID: 12658123
59. Volkow ND, Wang GJ, Fowler JS, Molina PE, Logan J, Gatley SJ, Gifford A, Ding YS, Wong C, Pappas NR, Zhu W, Swanson JM. Cardiovascular Effects of Methylphenidate in Humans are Associated with Increases of Dopamine in Brain and of Epinephrine in Plasma. *Psychopharmacology.* 66(3):264-70, 2003. PMID: 12589522

60. Molina PE. Endogenous Opioid Analgesia in Hemorrhagic Shock. *J. of Trauma* 54:S126-32, 2003. PMID: 12768114
61. Winsauer PJ, Moerschbaecher JM, Molina PE, Rousell AM. Contingent and Non-Contingent Cocaine Administration in Rhesus Monkeys: a Comparison of the Effects on the Acquisition and Performance of Response Sequences. *Behav Pharmacol.* 14(4):295-06, 2003. PMID: 12838035
62. Zambell KL, Phelan H, Vande Stouwe C, Zhang P, Shellito JE, Molina PE. Acute Alcohol Intoxication During Hemorrhagic Shock; Impact on Host Defense from Infection. *Alcohol Clin Exp Res.* 28(4):635-42, 2004. PMID: 15100616
63. Molina PE, Zambell KL, Zhang P, Vande Stouwe C, Carnal J. Hemodynamic and Immune Consequences of Opiate Analgesia After Trauma/Hemorrhage. *Shock* 21 (6):526-34, 2004. PMID: 15167681
64. Molina PE, Zambell KL, Norenberg K, Eason J, Phelan H, Zhang P, Vande Stouwe C, Carnal JW, Porreta C. Consequences of Alcohol-Induced Early Dysregulation of Responses to Trauma/Hemorrhage. *Alcohol* 33:217-27, 2004. PMID: 15596090
65. Molina PE. Neurobiology of the Stress Response; Contribution of the Sympathetic Nervous System to the Neuro-Immune Axis in Traumatic Injury. *Shock.* 24(1):3-10. 2005 PMID: 1598831
66. Molina PE. Opioids and Opiates: Analgesia with Cardiovascular, Haemodynamic and Immune Implications in Critical Illness. *J Intern Med.* 259(2):138-54, 2006. PMID: 16420543
67. Mathis KW, Zambell K., Olubadewo JO, Molina, PE. Altered Hemodynamic Counter-Regulation to Hemorrhage by Acute Moderate Alcohol Intoxication. *Shock* 26(1):55-61, 2006. PMID: 16783199
68. Dincer UD, Araiza AG, Knudson JD, Molina PE, Tune JD. Sensitization of Coronary Alpha-Adrenoceptor Vasoconstriction in the Prediabetic Metabolic Syndrome. *Microcirculation.* 13(7):587-95, 2006. PMID: 16990217
69. Molina PE, McNurlan M, Rathmacher J, Lang CH, Zambell KL, Purcell J, Bohm RP, Zhang P, Bagby GJ, Nelson S. Chronic Alcohol Accentuates Nutritional, Metabolic, and Immune Alterations During Asymptomatic Simian Immunodeficiency Virus Infection. *Alcohol Clin Exp Res.* 30(12):2065-78, 2006. PMID:17117972
70. Greiffenstein P, Mathis KW, Vande Stouwe C, Molina PE. Alcohol Binge Prior to Trauma/Hemorrhage Impairs Integrity of Host Defense Mechanisms During Recovery. *Alcohol Clin Exp Res.* 31(4):704-15, 2007. PMID: 17374050
71. Greiffenstein P, Molina PE. Alcohol-Induced Alterations of Host Defense Following Traumatic Injury. *J. Trauma* 64(1):230-40, 2008. PMID: 18188126
72. Molina PE, Lang CH, McNurlan M, Bagby GJ, Nelson S. Chronic Alcohol Accentuates Simian Acquired Immunodeficiency Syndrome-Associated Wasting. *Alcohol Clin Exp Res.*32:138-47, 2008. PMID: 18028526
73. Molina PE. Alcohol--Intoxicating Roadblocks and Bottlenecks in Hepatic Protein and Lipid Metabolism. *Am J Physiol Endocrinol Metab.* 295(1):E1-2, 2008. PMID: 18477701
74. Molina PE. Alcohol Abuse; an Added Burden to Immunodeficiency Virus Infection and Acquired Immunodeficiency Syndrome. *Proceedings of International Conference on Biotechnological Approaches to Neuroimmunomodulation and Infectious Diseases* 255-70, 2008.
75. Bird MD, Choudhry MA, Molina PE, Kovacs EJ. Alcohol and Trauma: a Summary of the Satellite Symposium at the 30th Annual Meeting of the Shock Society. *Alcohol.* 2009 43(3):247-52. PMID: 19393863.
76. Molina MF, Whitaker A, Molina PE, McDonough KH. Alcohol does not Modulate the Augmented Acetylcholine-Induced Vasodilatory Response in Hemorrhaged Rodents. *Shock.* 2009 Dec;32(6):601-07. PMID: 19197228.

77. Mathis K, Molina PE. Transient Central Cholinergic Activation Enhances Sympathetic Nervous System Activity but does not Improve Hemorrhage-Induced Hypotension in Alcohol-Intoxicated Rodents. *Shock*. 2009 Oct;32(4):410-15. PMID: 19197225.
78. Siggins RW II, Bagby GJ, Molina PE, Dufour J, Welsh DA, Nelson S, Zhang P. Alcohol Exposure Impairs Myeloid Dendritic Cell Function in Rhesus Macaques. *Alcohol Clin Exp Res*; Sep;33(9):1524-31 2009. PMID: 19485975
79. Mathis KW, Molina PE. Central Acetylcholinesterase Inhibition Improves Hemodynamic Counter-Regulation to Severe Blood Loss in Alcohol-Intoxicated Rats. *Am J Physiol Regul Integr Comp Physiol*. 2009 Aug;297(2):R437-45. Epub 2009 Jun 10. PMID: 19515985.
80. Molina PE. Surviving Adversity and Embracing New Challenges. *Physiologist*.2010 Feb; 53(1):13-15. PMID: 20222498.
81. Mathis KW, Sulzer J, Molina PE. Systemic Administration of a Centrally-Acting Acetylcholinesterase Inhibitor Improves Outcome From Hemorrhagic Shock During Acute Alcohol Intoxication. *Shock*. 2010 Aug;34(2):162-68. PMID: 20023599.
82. Birke LL, Molina PE, Baker DG, Leonard ST, Marrero LJ, Johnson M, Simkin J. Comparison of Selamectin and Imidacloprid Plus Permethrin in Eliminating *Leporacarus gibbus* Infestation in Laboratory Rabbits (*Oryctolagus cuniculus*). *J Am Assoc Lab Anim Sci*. 2009 Nov;48(6):757-62. PMID: 19930824
83. Whitaker AM, Sulzer J, Walker E, Mathis K, Molina PE. Sympathetic Modulation of the Host Defense Response to Infectious Challenge During Recovery from Hemorrhage. *Neuroimmunomodulation* 17:349-358, 2010. PMID: 20516716 .
84. Sulzer J, Molina PE. Delayed Resuscitation with Physostigmine Increases End Organ Damage in Alcohol Intoxicated Rats. *Shock*. 35(1):74-79, 2011. PMID: 20577152
85. Molina PE, Happel KI, Zhang P, Kolls JK, Nelson S. Alcohol and Health--Focus On: Alcohol and the Immune System. *Alcohol Research & Health* 33:97-08, 2010.
86. Molina PE, Winsauer P, Walker E, Birke L, Amedee A, Zhang P, Vande Stouwe C, Troxclair D, , McGoey R, Varner K, Byerley L, LaMotte L. Chronic Cannabinoid Treatment Decreases Early Mortality From Simian Immunodeficiency Virus Infection. *AIDS Res Hum Retroviruses*. 27(6):585-92, 2011. PMID: 20874519
87. Winsauer PJ, Molina PE, Amedee AM, Filipeanu CM, McGoey RR, Troxclair DA, Walker EM, . Birke LL, Vande Stouwe C, Weyand TG, Howard JM, Leonard ST, Moerschbaecher JM and Lewis P. Chronic Delta-9-Tetrahydrocannabinol (Δ^9 -THC) Attenuates its Neuropsychological Disruptions and Disease Progression in Rhesus Macaques Infected with Simian Immunodeficiency Virus (SIV). *Exp and Clin Psychopharmacology* 19:154–72, 2011. PMID: 21463073
88. Souza-Smith FM, Kurtz KM, Molina PE, Breslin JE. Adaptation of Mesenteric Collecting Lymphatic Pump Function Following Acute Alcohol Intoxication. *Microcirculation* 17(7):514-24, 2010. PMID: 21040117
89. LeCapitaine NJ, Zhang P, Winsauer P, Walker E, Vande Stouwe C, Porretta C, Molina PE. Chronic Δ^9 -Tetrahydrocannabinol Administration Increases Lymphocyte CXCR4 Expression in Rhesus Macaques. *J Neuroimmune Pharmacol*. 2011 6(4):540-45. PMID: 21484257
90. Whitaker AM, Sulzer JK, Molina PE. Augmented Nitric Oxide Production in the Paraventricular Nucleus Inhibits Vasopressin Release During Hemorrhage in Acute Alcohol Intoxicated Rodents. *Am J Physiol Regul Integr Comp Physiol*. 2011 301(5):R1529-39. PMID: 21849630
91. LeCapitaine N J, Wang ZQ, Dufour JP, Potter BJ, Bagby GJ, Nelson S, Cefalu WT, Molina PE. Disrupted Anabolic and Catabolic Processes May Contribute to Alcohol-Accentuated SAIDS-Associated Wasting. *J Infectious Diseases*. 2011 204:1246-55. PMID:21917898,

92. Molina PE, Amedee A, LeCapitaine NJ, Zabaleta J, Mohan M, Winsauer P, Vande Stouwe C. Cannabinoid Neuroimmune Modulation of SIV Disease. *J Neuroimmune Pharmacol*. 2011 Dec; 6 (4):516-27. PMID: 21830069
93. Kharbanda KK, Bardag-Gorce F, Barve S, Molina PE, Osna NA. Impact of Altered Methylation in Cytokine Signaling and Proteasome Function in Alcohol and Viral-Mediated Diseases. *Alcohol Clin Exp Res*. 2012 May 11. doi: 10.1111/j.1530-0277.2012.01840.x. PMID: 22577887.
94. Whitaker AM, Sulzer JK, Molina PE. Augmented Central Nitric Oxide Production Inhibits Vasopressin Release During Hemorrhage in Acute Alcohol-Intoxicated Rodents. *Am J Physiol Regul Integr Comp Physiol*. 2011 Nov;301 (5):R1529-39. Epub 2011 Aug 17. PMID: 21849630
95. Sulzer JK, Whitaker AM, Molina PE. Hypertonic Saline Resuscitation Enhances Blood Pressure Recovery and Decreases Organ Injury Following Hemorrhage in Acute Alcohol Intoxicated Rodents. *J. Trauma*. PMID: TBA
96. Souza-Smith FM, Molina PE, Breslin JE. Reduced RhoA Activity Mediates Acute Alcohol Intoxication-Induced Inhibition of Lymphatic Myogenic Constriction Independently of Cytosolic [Ca²⁺]. *Submitted Microcirculation*. PMID: TBA
97. Voloshenyuk T, Khoutorova E, Hart A, El Hajj M, Molina P, Gardner J. Alcohol Modulation of MMP and TIMP Expression in Cardiac Fibroblasts Favors Collagen Accumulation. *Submitted October 2012 ACER*. PMID: TBA
98. **Santosh Kumar**. Central role of cytochromes P450 2A6 in tobacco-mediated oxidative stress in macrophages and astrocytes; implications with HIV-1 pathogenesis and neuroAIDS. Oral presentation during Symposium on *Drugs of Abuse – HIV Infection and NeuroAIDS: A Global Perspective*, during 3rd World Congress on Biotechnology, Hyderabad, India during 13-15 Sep, 2012 (Ref: **"Latest trends in drugs of abuse – HIV infection and neuroAIDS."** *Future Virology*. 2013. 8(2): 121-127; DOI 10.2217/fvl.12.134)

Books

1. Endocrine Physiology, P.E. Molina, McGraw Hill, 1st edition 300 p. September 19, 2003. ISBN: 0071402578.
2. Endocrine Physiology, PE Molina, McGraw Hill, 2nd edition 296 p. 2006. ISBN: 0071460489.
3. Endocrine Physiology, PE Molina, McGraw Hill, 3rd edition 303 p. 2010. ISBN: 9780071613019.

Chapters:

1. Lang CH, PE Molina, GJ Bagby, JJ Spitzer. Chronic alcohol consumption prevents the sepsis-induced increases in gluconeogenesis and metabolic clearance rate. In, Alcohol, Immunomodulation and AIDS. Eds. RR Watson, D Seminara and A Pawloski. A.R. Liss: New York, pp. 373-382, 1989.
2. Lang CH, NB D' Souza, PE Molina, GJ Bagby, JJ Spitzer. Ethanol inhibits the increased glucose flux induced by sepsis or endotoxin. In, Focus on Biochemistry and Physiology of Substance Abuse. Vol. II Ed. RR Watson. CRC Press, Boca Raton pp 245-256, 1990.
3. Spitzer JJ, GJ Bagby, AP Bautista, NB D'Souza, PE Molina, CH Lang. Immunosuppressive effect of alcohol on hepatic parenchymal and non-parenchymal cell functions following endotoxin. In, Drugs of Abuse, Immunity and Immunodeficiency. pp. 255-264. Plenum Press, New York. 1991.
4. Abumrad NN, H Hourani, PE Molina. Hypoglycemia alters insulin's effects on amino acid and protein kinetics in vivo. In: Protein metabolism in diabetes mellitus. Ed. K.S. Nair, 215-221, 1992.

5. Abumrad NN, S Helou, P Molina, PJ Flakoll. Regulation by amino acids of glucose utilization in humans. in: Branched-Chain amino acids: Biochemistry, Physiopathology, and Clinical Science. Ed: P. Schauder. Raven Press, New York, pp 9-17, 1992.
6. Molina PE, NN Abumrad. Hypothalamus, glucopenia and fuel mobilization. In: Organ metabolism and nutrition: ideas for future critical care. Eds. J.M. Kinney, H.N. Tucker. pp 69-90, 1994
Molina PE, S Burzstein, NN Abumrad. Energy Expenditure: Theories and Assumption. Determinations in the Clinical Setting. *Crit. Care Clin.* 11:587-601, 1995.
7. Abumrad NN, PE Molina. Role of central opiates, glutamate and catecholamines in modulating glucose and protein metabolism. In: Liver and the Nervous System, Proceedings of the Falk Symposium No. 103. Ed. D. Haussinger, K. Jungermann, published 1998 by Kluwer Academic Publishers, Chap. 13, pp 141-155.
8. Abumrad NN, SM Ystuenta, PE Molina, S Bursztein. Energy metabolism. In: Nutrition and Metabolism in the Surgical Patient. Ed; JE Fisher.-2nd ed. Little, Brown and Company. New York. pp 105-127.
9. Abumrad NN, PE Molina, JA Rathmacher, S Nissen. Injury, Body Composition, and Nitrogen Metabolism in the Surgical Patient. In: Quality of the Body Cell Mass: Body Composition in the Third Millenium Ed; RN Pierson, Jr. Serono Symposia USA. 2000 Springer-Verlag New York, Inc. pp 291-305.

Non-peer reviewed publications:

Teenage alcohol use, is it a problem? Published in *Jaynotes*, Jesuit High School's alumni magazine. This special edition devoted entirely to the issue of teenagers and alcohol won a national Mothers Against Drunk Driving (MADD) Media Award.

Editorial 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 Neuroimmunopharmacology

University service

1. Participating host faculty for Minority Research Day.
2. LSUHSC Biomedical Research Fund Review Committee.
3. Reviewer and Judge for Medical Student Summer Research Presentations and Proposals (2001-2004).
4. Judge for Poster and Oral Presentations, Department of Medicine Research Day (2001, 2002, 2003).
5. IACUC (2002-present)
6. Animal Care Advisory Committee (2002-present)

7. MD/PhD Admissions Committee (2003-present)
8. Physiology Graduate Student Committee (2002-2008)
9. Interdisciplinary Program Advisory Committee (2005-present)
10. Advisory Board Clinical Research Center (2003-2005)
11. Diversity Committee (2003-present)
12. Faculty Assembly (2002-2008)
13. Appointments, Promotions, and Tenure Committee (2006-2008)
14. Graduate Advisory Council (2006-present)
15. Communications committee (Chair) 2008-2009
16. LCME Self Study Committee 2008-2009
17. Pathology Chair search committee 2008-2009
18. Panelist for Appointment, Promotion, and Tenure Workshop LSUHSC, 2009, 2010, 2011
19. Surgery Chair search committee (2010-2011)
20. Cardiology Chief search committee (2010-2011)
21. Outreach Committee (2010- present)

Community work

1. Councilor for Hispanic American Association of Louisiana; 2007-2010
2. Vice-president Hispanic American Medical Association of Louisiana, Auxiliary (2007-2009)
3. Lector St. Francis Xavier Church, Metairie, LA
4. Board of Directors Council of Alcohol and Drug Abuse Advisory Board for Hispanic Initiative.
5. Speaker on Teenage Alcohol Abuse; Jesuit High School and Cabrini High School (2005-Present).
6. Key note speaker at Jesuit High School Town Hall Meeting, September 9, 2005. New Orleans, LA. On alcohol and teenage brain development. Audience, parents of all incoming 8th graders.
7. Chapelle High School Career Day.
8. Community School for Apprenticeship Learning, July 23, 2005 Baton Rouge, LA; "Alcohol Intoxication" talk for a group of 24 seventh graders.
9. St. Margaret Mary Middle School, Slidell LA. October 28th, 2005. What alcohol can do to your brain. Presentation to three sections of 8th graders
10. Radio talk show/interview Radio Tropical, Gretna LA "*Alcoholismo*".
11. Alcohol and drug abuse prevention workshop. Roosevelt High School, New Orleans, LA. Council of Alcohol and Drug Abuse (CADA) in New Orleans, 2006.
12. 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.
13. Council at Large, Hispanic American Medical Association of Louisiana (2007-2010).
14. Radio Show "Alcoholismo" KGLA/Radio Tropical, January 24, 2009.
15. WLTV4 "Addiction and Obesity" Interview, April 2009.
16. Host for 5th annual LSUHSC School of Graduate Studies and NOLA Public Schools Science Partnership Field trip. May 21, 2009.

Outreach activities (graduate students and Physiology Faculty)

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 PHuN 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 PHuN 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