



CURRICULUM VITAE

Lisa M. Harrison-Bernard, PhD, FAHA, FASN, FAPS

Current Title: Associate Professor with Tenure
Business Address: Louisiana State University Health Sciences Center
 School of Medicine
 Department of Physiology, Box P7-3, Rm 7213
 1901 Perdido Street
 New Orleans, Louisiana 70112-1393
Business Telephone and Fax: (504) 568-6175
 (504) 568-6158
Business Email Address: lharris@lsuhsc.edu

Education:

Undergraduate 1984 B.A. Biology
 University of New Orleans; New Orleans, Louisiana
Graduate 1990 Ph.D. Physiology
 Tulane University; New Orleans, Louisiana
 Dissertation: *Chronic vs acute hemodynamic effects of atrial natriuretic factor in conscious rats*
Postdoctoral Fellowships Department of Physiology
 Tulane University School of Medicine; New Orleans, Louisiana
 1990 – 1993 Mentor: Pamela K. Carmines, Ph.D.
 1993 – 1994 Mentor: L. Gabriel Navar, Ph.D.

Academic, Professional, and Research Appointments

1994 - 1996 Instructor; Department of Physiology
 Tulane University School of Medicine
 1996 - 2003 Assistant Professor; Department of Physiology
 Tulane University School of Medicine
 07/2003 - 12/2003 Associate Professor; Department of Physiology
 Tulane University School of Medicine
 01/2004 - 06/2007 Associate Professor; Department of Physiology
 Louisiana State University Health Sciences Center
 01/2004 - Present Adjunct Associate Professor, Department of Physiology
 Tulane University School of Medicine
 07/2007 - Present Tenured Associate Professor; Department of Physiology
 Louisiana State University Health Sciences Center
 04/2017 - Present Adjunct Associate Professor; School of Nursing
 Louisiana State University Health Sciences Center
 08/2017 – Present Adjunct Associate Professor; Cardiovascular Center
 Louisiana State University Health Sciences Center

Membership in Professional Organizations

1988 - Present	American Physiological Society Primary Affiliation – Section on Water & Electrolyte Homeostasis Secondary Affiliation – Teaching of Physiology Section Tertiary Affiliation - Renal Section
1991 - 2015	American Heart Association (AHA) - Council on Kidney in Cardiovascular Disease
1991 - 2015	AHA - Council for High Blood Pressure Research
1993 - 2012	American Society of Nephrology
1999 - 2005	International Society of Nephrology
1993 - 2011	Women in Nephrology
1998 - 2015	AHA - Council for High Blood Pressure Research Fellow
2004 - 2005	American Society of Hypertension
2010 - Present	National Association for Women in Science, Southern Louisiana Chapter
2017 - 2018	International Association of Medical Science Educators

Professional Society Committees

1999 - 2001	American Physiological Society (APS), Women in Physiology
2001 - 2015	American Heart Association (AHA), Council on the Kidney and Cardiovascular Disease Programming
2002 - 2003	Gulf Coast American Physiological Society, Councilor
2003 - 2005	APS, Membership
2003 - 2011	American Society of Nephrology, Women in Nephrology Programming
2005 - 2007	APS, Chair of the Membership Committee - Annual Attendance to APS Summer Council Meeting in Bethesda, MD and 2005 APS Strategic Planning Meeting in Houston, TX
2006 - 2012	AHA Council for High Blood Pressure Research (CHBPR) Membership
2008 - 2010	APS, Education
2010 - 2012	AHA CHBPR Fall Conference
2011	AHA CHBPR Fall Conference - Diabetes
2011 - 2013	2013 FASEB Summer Conference on Renal Hemodynamics Programming
2012 - 2013	AHA CHBPR Programming
2013 - Present	Association for Women in Science South Louisiana Chapter (AWIS-SL) Chair of Awards
2014 - 2016	AWIS-SL Secretary

Session Chair of Scientific Conferences

1998	Experimental Biology (EB); Chair - Renin-Angiotensin
2000	American Society of Nephrology (ASN); Chair - Vascular Physiology
2000	American Heart Association (AHA); Moderator - Peptide Hormones in Heart and Renal Dysfunction
2002	EB; Symposium Organizer, Chair, and Speaker - Functional Heterogeneity in the Renal Microcirculation, Topic "Angiotensin responses in the renal microvasculature"
2002	ASN; Moderator - Symposium Entitled Advances in Understanding the Biology of the Renin-Angiotensin System
2003	EB; Chair - Insights on renal function and blood pressure control from genetically manipulated animals
2005	AHA Council for High Blood Pressure Research (CHBPR); Moderator - Renin Angiotensin System and Renal Function
2006	EB; Symposium Organizer and Chair - Obesity and Renal Disease

2006	AHA CHBPR Poster Session Moderator - Angiotensin Receptors and Signal Transduction
2006	ASN; Symposium Moderator - Mechanisms Underlying Exercise Attenuation of Cardiovascular Risk
2006	ASN; Chair - Novel Pathways Mediating Angiotensin II Effects on the Kidney
2007	FASEB Summer Research Conference Renal Hemodynamics: Biomolecular Control Mechanisms Integrating Vascular & Tubular Function, Chair Featured "Hot-Topic" Presentation
2008	AHA CHBPR, Poster Session Moderator - Regulation of Renin-Angiotensin System
2008	AHA CHBPR, Session Co-Chair - Angiotensin Receptors and Signal Transduction
2009	EB; Chair - Renal Hemodynamics
2010	EB; Symposium Organizer and Chair - Mouse Models of Diabetic Renal Disease
2010	AHA CHBPR, Session Co-Chair - Vascular and Renal Signaling
2011	AHA CHBPR, Session Chair - Diabetes
2013	AHA CHBPR, Session Co-Chair - Vascular Biology
2016	Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Session Chair – Postdoctoral Presentations: Biology/Chemistry
2016	SACNAS Session Chair – Graduate Student Presentations: Biomedical Research
2016	SACNAS Session Chair and Participant - Conversations with Scientists - Pharmacology, Physiology and Pathology
2016	AHA Scientific Sessions, Session Chair – Aldosterone and Accomplices in “Salty Crime”
2018	EB; Symposium Organizer and Chair - Bioartificial Organs: Using Donor and Synthetic Scaffolds
2019	EB; Symposium Organizer and Chair – Translational Models of Renal and Cardiovascular Disease: Informing Human Health or Not?
2019	EB; Featured Topic Organizer and Chair - Innovative Techniques for Teaching Health Sciences to Increase Retention and Mastery Learning

Abstract Reviewer for Scientific Conferences

1999, 2000, 2011	American Physiological Society (APS) Carol tum Suden Award
2013, 2014, 2015, 2018	American Society of Nephrology (ASN); Vascular Physiology - Hemodynamics, Hypertension and Vascular Regulation
2000	American Society of Nephrology (ASN); Vascular Physiology - Hemodynamics, Hypertension and Vascular Regulation
2002 - 2008	American Heart Association (AHA) - Endothelium and Vascular Tone, Cardiorenal
2012 - 2019	AHA - Renal Physiology and Pathophysiology
2006	ASN Review Category Chair - Mediators, Signaling, Cell Growth, Apoptosis and Neoplasia: Hormones/Peptides/Growth Factors
2006, 2007, 2008	AHA CHBPR - Renin Angiotensin System
2012, 2013, 2014	AHA CHBPR - Renal Hemodynamics & Renovascular Hypertension; Angiotensin Converting Enzymes, Renin and Prorenin, Renin Angiotensin System
2015	AHA CHBPR - Renin Angiotensin System
2016, 2018	AHA CHBPR - Renal Hemodynamics & Renovascular Hypertension; Renin Angiotensin System
2016	Annual Biomedical Research Conference for Minority Students – Physiology
2018	APS Horowitz/Horowitz Outstanding Undergraduate Abstract Award

Awards and Honors

1980 - 1982	T. H. Harris Scholarship
1984	Academic Achievement Award in Biological Science
1985 - 1990	Tulane University Graduate School Scholarship
1985 - 1990	Supported by Institutional National Research Service Award
1994 - 1997	NIH NHLBI National Research Service Award Postdoctoral Fellowship
2001	Elected Fellow of the American Heart Association - Council for High Blood Pressure Research
2004	American Society of Hypertension Young Scholars Award; Awards Lecture "Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models"
2004	Elected Fellow of the American Society of Nephrology
2007	American Physiological Society (APS) Research Career Enhancement Award for the Technical Training (\$4,000; 3 wks) of Charlotte Mehlin Sorensen, PhD, Assistant Professor, University of Copenhagen, DENMARK
2008	Distinguished Graduate Award, Saint Benilde Elementary School, Metairie, LA
2010	American Journal of Physiology: Renal Physiology Paper of the Year "Major role for ACE-independent intrarenal ANG II formation in type II diabetes"
2016	APS Teaching Career Enhancement Award for Attendance to Educational Workshops in Diversity
2018	Elected Fellow of the APS
2019	LSUHSC School of Medicine Faculty Assembly Outstanding Mentor Award

Diversity and Inclusion Training

04/11/2017	AAMC Everyday Bias Workshop for Healthcare Professions held at Vanderbilt University School of Medicine in Nashville, TN
03/08/2018	Created and presented the LSUHSC-NO PREP Diversity Workshop
06/01/2018	AAMC Group on Diversity and Inclusion Professional Development Conference held in New Orleans, LA
08/17/2018	Conversation on Race and Equity offered by the Racial Equity Institute held in New Orleans, LA
02/13/2019	AAMC Webinar: Transforming Institutional Culture: Assessment and Intervention
03/29/2019	McGraw Hill: The Equity Equation: How to Help Underserved Students Succeed
04/04/2019	LSUHSC Department of Psychiatry Barbara Lemann Lectureship, Addressing issues facing our children and community: The continuing need for cultural awareness by Dr. Russell T. Jones

TEACHING EXPERIENCE AND RESPONSIBILITIES

I have over 30 years of experience in teaching renal and cardiovascular physiology in health professional schools. Over the past 12 years, I've educated students in eight academic programs from the Schools of Medicine, Graduate Studies, Nursing, Allied Health, and Dentistry, as well as, providing a comprehensive review of renal physiology to Nephrology Fellows. I've served as the Course Director for Human Physiology courses for Dental Hygiene and Nursing students and Section Director for Integrative Renal Physiology for students in the Schools of Graduate Studies and Allied Health Professions. As Course Director, I've restructured the lecture topics and presentations to address the specific content requirements of the healthcare students. I enjoy the challenge and

rewards of teaching renal and cardiovascular physiology to a diverse student body while focusing on the appropriate depth and breadth of knowledge required for each healthcare professions' clinical application. I've recently led the development of an Interprofessional Educational Experience (IPE) on Acute Kidney Injury for graduate and allied health students and am leading a team to develop an IPE on End Stage Renal Injury for the entire LSUHSC student population. I strive to continually improve my knowledge of physiology and to incorporate novel teaching methods to be an effective medical educator.

Formal Course Responsibilities

Tulane University Health Sciences Center and Tulane University

Course	Role	Number of Students	Semester	Lecture-Hours/Semester	Laboratory Hours/Semester	Years
BMEN 304, 314 Introduction to Medical Science for Biomedical Engineers	Lecturer	40	Spring	9	9	1999-2003
Experimental Physiology Laboratory	Facilitator	10	Spring	0	4	2002-2003
GCRC's Methods in Clinical Research	Lecturer	15	Fall	1	0	2003-2005
Graduate Student Renal Physiology	Lecturer	8	Summer	2	0	1995
Medical Human Physiology	Lecturer	170	Summer	3	0	2003
		20		6		1994-2003
				2		2002-2003
Medical Human Physiology Laboratory	Assistant	150	Spring	1	38	1986-1995
Medical Human Physiology: Problem Based Learning	Facilitator	10/group	Spring	0	14	1993-2003

Louisiana University Health Sciences Center

Course	Role	Number of Students	Semester	Lecture Hours/Semester	Laboratory Hours/Semester	Years
CSI 100, 200 SOM Houses Mentorship Program: Rampart 8A	Mentor	20	Fall Spring	0	20	2017-2019
CPSC 3220 Cardiopulmonary Physiology	Lecturer	30	Summer	4	0	2008-2011
DENT 1115 Dental Human Physiology	Lecturer	65	Spring	8 6	0	2015 2016, 2017, 2018, 2019
DHY 3202 Dental Hygiene General and Oral Physiology	Director /Lecturer	42	Spring	4 1 3	0	2009, 2010 2011, 2012 2013, 2014
HLSC 2410 Nursing Human Physiology HLSC 2410 and OCCT 6523 Nursing and Allied Health Human Physiology	Co-Director /Lecturer	163 150	Fall Spring	12 15	8	2014 2015, 2016
HLSC 2410 Nursing Human Physiology	Director /Lecturer	175	Fall Spring	13	0	2016-2019
HLSC 3410 Nursing Human Pathophysiology	Lecturer	100	Fall Winter Spring	2	0	2017-2019
INTER 131 Graduate Student Biological Systems	Lecturer	20 30 20 50	Spring Fall	5	0	2006 2006 2007 2008, 2009
INTER 131 Graduate Student Biological Systems	Section Director /Lecturer	50 75	Fall	5 5 6 8 8	0	2010, 2011 2011 2012 2013-2018
Nephrology Fellows on Overview of Renal Physiology	Lecturer	5	Fall	4 3	0	2008-2011 2014-2019
PHYSIO 100 Medical Human Physiology	Lecturer	200 250	Spring	1 8 10 12 10	32 40	2004 2005 2006, 2007 2008-2016 2017-2019

Course	Role	Number of Students	Semester	Lecture Hours/Semester	Laboratory Hours/Semester	Years
PHYSIO 207 Graduate Student Physiology Conference on Renal Physiology Research Tools – Past and Present	Lecturer	5	Spring	2	0	2005
PHYSIO 212 Graduate Student Cardiovascular Physiology	Lecturer	6	Fall	2	0	2004, 2008
PHYSIO 216 Graduate Student Endocrinology	Lecturer	6	Fall	2	0	2009
PHYSIO 280 Graduate Student Physiology Special Topics Trends and Highlights in Physiology	Lecturer Director	3 5	Fall Summer	2	0	2006 2007
PHYSIO 280 Graduate Student Special Topics in Physiology - Renal and Vascular Physiology	Director	6	Fall	5	0	2013
PHYSIO 290 Graduate Student Journal Club	Director	6	Fall/ Spring	0	0	2014, 2015
PHYSIO 299 Graduate Student Physiology Seminar	Director	6	Fall/ Spring	0	0	2010-2012
PHYSIO 6523 Physician Assistant Biological Systems	Section Director	30	Spring	5 6	0	2014 2015
Robert Wood Johnson Foundation Summer Healthcare Professions Education Program for Undergraduate Students	Director	80	Summer	12	4	2017, 2018
Second Year Medical Students on Renal Physiology	Lecturer	205	Spring	2	8	2017- 2019
Team Up IPE	Facilitator	700	Fall/Spring	0	14	2017, 2018, 2019
Tiger Scholars Undergraduate Summer Enrichment	Director Lecturer	10	Summer	0	4	2019
USMLE , Step 1 Review for Renal Physiology	Lecturer	25	Spring	2	0	2004, 2005, 2007

Workshop for Undergraduate and High School Summer Research Fellows	Director	8	Spring	1	0	2010
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Curriculum Development/Implementation

- 2013 PHYSIO 280 Graduate Student Special Topics in Physiology - Renal and Vascular Physiology
- 2018 Skills Development Workshops for Postbaccalaureate Research Education Program in Biomedical Sciences

Creation of Teaching Materials

- 2016 Chair of Interprofessional Education Module on Acute Kidney Injury for Biological Systems INTER 131: Schools of Graduate Studies and Allied Health
- 2016 -2019 Chair of Interprofessional Education Module on End Stage Kidney Disease for LSUHSC

Departmental/Interdisciplinary Teaching Conferences

LSUHSC, New Orleans, LA

Department of Physiology, Work-In-Progress

- 9/2008 AT1 Receptors in Renal Microvascular Physiology: Resubmission of NIH R01 Grant
- 09/2008 Specific Aims for Resubmission of NIH R01 Grant
- 03/2009 New Strategies for Experimentation
- 05/2009 Manuscript Submission: Major role for angiotensin converting enzyme-independent intrarenal Ang II formation in type II diabetes
- 10/2009 New Preliminary Studies for A2 NIH Application
- 01/2010 Resubmission of the A2 NIH Application
- 04/2010 Role of ACE-dependent and ACE-independent pathways in diabetic renal disease
- 07/2010 Manuscript in Preparation: Glomerular filtration rate determinations in conscious type II diabetic mice
- 09/2010 New R01 grant submission: targeting chymase in diabetic nephropathy
- 01/2013 Role of enhanced renal tubular chymase in the activation of the ENaC in diabetes: unpublished data
- 02/2014 LSUHSC-NO Postbaccalaureate Research Education Program in Biomedical Sciences
- 02/2017 Diversity Training from SACNAS, ABRCMS, Wake Forest School of Medicine, and Safe Zone: Preparing to Mentor Diverse Students Interested in Biomedical Sciences
- 05/2017 Everyday Bias in Health Professions

LSUHSC COBRE Work-In-Progress

- 09/2011, 03/2012 New approaches for slowing the progression of diabetic renal disease
- 05/2012, 10/2012

Tulane University Health Sciences Center

Renal and Vascular Workshop

- 07/2004 Functional Localization of AT1 Receptor Subtypes in the Renal Microvasculature

Nephrology Transport Group

- 11/2012 Novel renal tubular expression of chymase: proteolytic activation of ENaC

Teaching Awards

2012, 2013	Nominated for the LSUHSC School of Medicine Outstanding Mentor Award
2012	Nominated for the LSUHSC Faculty Excellence in Teaching Award by the Aesculapian Society of Medical Students
2017	Teaching Scholar in LSUHSC Teaching Academy (pending)

Mentoring

Mentoring students, fellows, and faculty provides a great deal of satisfaction. I've been fortunate to receive outstanding mentoring throughout my entire career. I am particularly eager to mentor female students and students from groups underrepresented in the biomedical sciences to help them accomplish their career goals.

Undergraduate, Medical, or Graduate Students Trained

American Physiological Society NIDDK Minority Travel Fellowship Mentor; Experimental Biology

2000	Ollie Kelly Appleberry, Graduate Student, Emory University
2001	Hantz C. Hercule, Postdoctoral Fellow; Texas Southern University
2004	Samantha Torres, Undergraduate Student, University of New Mexico
2006	Mesia Moore Steed, Graduate Student, University of Louisville
2009	Carmen Troncoso Brindeiro, Graduate Student, University of Nebraska Medical Center

Undergraduate Student Research Mentor

1998 - 1999	Daniel F. Albert, Tulane University
2003, Summer	Justin Westervelt, Tulane Medical School
2010, Summer	Sen Xu, Tulane University
2011 - 2013	Kirsten A Wood, Undergraduate, Loyola University
2014, Summer	Gabrielle M. Stark, Warren Easton High School Student
2015, Summer	Tamara Morris, Louisiana State University
2015, Summer	Casey Burlette, Belle Chasse High School
2016, Summer	Michael Langley, Louisiana State University Biology Graduate

LSUHSC, Department of Physiology, Laboratory Rotation

2001	Torrance Green
2004	John D'Hemecourt
2005	Paige Katz
2007	Ashley Feske
2008	Jessica Bradley
2010	Andrea Caballero
2011	Elaine C. Maggi
2011	Stephen M. Ford, Jr
2012	Xun Zhang
2013	Alan Mouton

Thesis and Dissertation Committees

Mentor of Dissertation

2005-2008	Sungmi Park "Renin-Angiotensin System in Type II Diabetic Renal Disease"
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Member of Dissertation Committee

1997 - 2001	Matthew Walker, III; Department of Physiology, Tulane Medical School
2001 - 2004	Minolfa Prieto-Carrasquero, MD, PhD, Department of Physiology, Tulane Medical School
2001 - 2010	Torrance Green, PhD; Department of Physiology, Tulane Medical School

2005 – 2012	Paige Katz, Department of Physiology, LSUHSC
2007 - 2009	Sharell M. Bindom, Department of Pharmacology, LSUHSC
2009 - 2012	Annie M. Whitaker, Department of Physiology, LSUHSC
2010 - 2013	Kavaljit H. Chhabra, Department of Pharmacology, LSUHSC
2010 - 2012	Kristine M. Kurtz, Department of Physiology, LSUHSC
2011 - 2014	Travis M. Doggett, Department of Physiology, LSUHSC
2016 – Present	Kevin Ebert, Department of Pharmacology, LSUHSC
2018 – Present	Krystal Belmonte, Department of Physiology, LSUHSC

Member of Thesis Committee

2005	Amy Courville, Department of Physiology, LSUHSC
2007	Chandrasekar Viswanathan, Department of Physiology, LSUHSC
2011 - 2013	Melissa D. Scroggin, Department of Pharmacology, LSUHSC
2017 – 2018	Jonquil M. Poret, Department of Physiology, LSUHSC

Post-Doctoral Fellows Trained

1999 - 2002	Hiroyuki Kobori, M.D., Ph.D.; Tulane University School of Medicine
2007 - 2008	Souad Belmadani, PhD; Department of Physiology, LSUHSC
2011 - 2013	Mahmoud Kallash, MD, Pediatric Nephrology Fellow, LSUHSC
2011	Daisuke Inui, MD, PhD, Tulane University School of Medicine

Faculty Mentored

2006 - 2007	Petra Rocic, PhD, Assistant Professor of Department of Physiology, LSUHSC; Cell-Specific ROS Involvement in the Regulation of Coronary Collateral Growth
2006 - 2009	Eric Lazartigues, PhD, Assistant Professor of Department of Pharmacology, LSUHSC; Brain-Targeted ACE2 Overexpression and Blood Pressure Regulation
2009 - 2011	Jerome W. Breslin, PhD, Assistant Professor of Department of Physiology, LSUHSC; Microvascular Leak during Combined Alcohol Intoxication and Hemorrhagic Shock
2011 - 2013	Jason D. Gardner, PhD, Assistant Professor of Department of Physiology, LSUHSC; Role of Lysyl Oxidase in Pressure Overload Induced Cardiac Dysfunction
2012 - 2013	Zohreh Soltani, MD, Clinical Assistant Professor, Dept of Medicine-Nephrology, LSUHSC; Effect of Febuxostat on Progression of Renal Disease in Metabolic Syndrome
2017 - Present	Xinping Yue, PhD, Assistant Professor of Department of Physiology, LSUHSC; Respiratory Fibrosis Induced by Heparin Sulfate
2018 - Present	Maureen Basha, PhD, Associate Professor of Department of Physiology, LSUHSC; Educational Scholarship

Trainee Awards

Sungmi Park

04/2008	American Physiological Society (APS) Renal Section Pfizer Predoctoral Excellence in Renal Research Award Finalist
10/2008	Forest Pharmaceuticals New Investigator Travel Award for Jackson Cardiovascular-Renal Meeting
04/2009	APS Renal Section Pfizer Predoctoral Excellence in Renal Research Award Finalist

Sen Xu

02/2011	APS David S. Bruce Outstanding Undergraduate Abstract Award
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Stephen M Ford, Jr

07/2011

First Place - LSUHSC Summer Research Internship Program Medical Student

07/2013

Council for High Blood Pressure Research Clinical Science Journal Travel Award for an Outstanding Early Career Candidate

07/2013

Best of AHA Specialty Conferences at Scientific Sessions

Kirsten A Wood

02/2013

APS David S. Bruce Outstanding Undergraduate Abstract Award

RESEARCH AND SCHOLARSHIP

My research funding began in 1987 and continued through 2013 resulting in 58 scientific publications. Since 2013, my career has transitioned from a research-centric path to one that is focused on education, mentoring, and service. Mentoring efforts are concentrated on enhancing diversity of biomedical graduate students.

Grants and Contracts

1987 - 1988	Graduate Student Research Aid American Heart Association (AHA) - "Regional Blood Flow Responses to Vasopressin" Mentor: Benjamin R. Walker, PhD
1991 - 1993	Hoffmann La Roche/National Kidney Foundation Fellowship. "Vasa Recta Control of Renal Medullary Microcirculation" Mentor: Pamela K. Carmines, PhD, Total Direct Costs \$42,000
1994 - 1997	NIH-NIDDK Individual National Research Service Award. "Differential Control of Renal Cortical and Medullary Blood Flow" Mentor: L. Gabriel Navar, PhD, Total Direct Costs \$97,500
1995 - 1996	AHA Grant-in-Aid Beginning. "Differential Autoregulation of Cortical and Medullary Blood Flow in Rat Kidney" Principal Investigator, Total Direct Costs \$25,000
1996 - 1997	AHA Grant-in-Aid Beginning. "Renal AT ₁ Receptor Regulation in Angiotensin II-Induced Hypertension" Principal Investigator, Total Direct Costs \$25,000
1996 - 1998	Shaul G. Massry, M.D. National Kidney Foundation Young Investigator Grant. "Hormonal Regulation of the Renal Medullary Circulation" Principal Investigator, Total Direct Costs \$50,000
1998 - 1999	AHA, Southern and Ohio Valley Research Consortium. Research Grant-in-Aid Beginning. "Functional and Molecular Correlates of Angiotensin II Dependent Hypertension" Principal Investigator. Total Direct Costs \$25,000
1999 - 2002	AHA - Scientific Development Grant: 9930120N. "Functional and Molecular Correlates of Angiotensin II Dependent Hypertension". Principal Investigator. Total Support \$260,000
2002 - 2009	NIH NIDDK 1 R01 DK62003-05. "AT ₁ Receptors in Renal Microvascular Physiology". Principal Investigator. Direct Support \$820,000; Total Support \$1,430,000
2004	American Society of Hypertension Young Scholars Award. Principal Investigator: Support \$10,000
2006 - 2013	NIH NHLBI COBRE P20 RR018766-06. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Role - Junior Investigator Mentor. Total Support \$10,058,325. Salary 10%
2009 - 2010	NIH NIDDK 2R56DK62003-07A1. "AT ₁ Receptors in Renal Microvascular Physiology". Principal Investigator 40% Effort. Direct Support Total Support \$150,000. Total Project Period: 07/17/09 through 05/31/10
2009 - 2010	LSUHSC School of Medicine Research Enhancement Fund Bridge Grant. Principal Investigator: Lisa M Harrison-Bernard, PhD. Title: "ACE-

	Independent Pathways in Diabetic Renal Vascular Disease". Funding Period: June 1, 2009 - May 31, 2010. Support: \$110,000. Returned July 17, 2009 Due to NIH Bridge Funding
2009 - 2011	AHA Grant-in-Aid. 09GRNT2250875. Principal Investigator: Lisa M Harrison-Bernard, PhD. Title: "ACE-Independent Pathways in Diabetic Renal Vascular Disease". Funding Period: July 1, 2009 - June 30, 2011 (No-Cost Extension June 30, 2012). Total Support: \$165,000
2011 - 2013	NIH NHLBI Centers of Biomedical Research Excellence (COBRE) P20 RR018766-06. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Title of Project: "New Approaches for Slowing the Progression of Diabetic Renal Disease" Role - Career Development Investigator. Total Support \$227,200.
2014 - 2016	NIH NHLBI. COBRE P30 GM106392-01A1. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Phase III Pilot Project: "Susceptibility to Obesity on Inflammation and Vascular Function". Principal Investigator - Stefany Primeaux, PhD. Total Support \$50,000. Role - Co-Investigator
2014 - 2016	LSU Leveraging Innovation for Technology Transfer Fund. "Therapeutic use of Kappa Opioid Agonists for Protection and Treatment of Acute Kidney Injury". Principal Investigator - Daniel R. Kapusta, PhD. Total Support \$30,000. Role: Co-Investigator
09/15/17 - 07/31/22	1 R25 GM121189-01, "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Direct: \$1,318,190. Total Support: \$1,415,423. Role: Principal Investigator/Director; Co-Directors: Allison Augustus-Wallace and Fern Tsien; Program Coordinator: Maureen Basha; Program Administrator: Melissa Prestwood

The goal of the LSUHSC-NO PREP is to prepare individuals from backgrounds underrepresented in the biomedical sciences, who have recently completed their baccalaureate science degrees, for successful enrollment, retention, and completion of a PhD or MD-PhD training program during a one-year research education program. We aim to enhance the diversity of the biomedical research workforce by preparing PREP Scholars for the rigors and challenges of a biomedical doctoral degree program so that they will successfully obtain a PhD degree or MD/PhD degree and contribute their expertise to the biomedical scientific community.

Grant Support for Trainees

2007 - 2009	AHA Predoctoral Grant 0715445B. "Role of Angiotensin Type 1 Receptor in Renal Vascular Function and Structure". Student: Sungmi Park. Total Support \$76,000. Role: Mentor
5/2010 - 8/2011	American Physiological Society (APS) Undergraduate Summer Research Fellow. "Targeting Chymase as the Major Pathway for Kidney AngII Formation in Diabetes". Student: Sen Xu. Total Support \$5,600. Role: Mentor
5/2012 - 8/2012	APS Undergraduate Summer Research Fellow. "Role of Mast Cells in Diabetic Kidney Disease". Student: Kirsten A. Wood. Total Support \$5,600. Role: Mentor
8/2012 - 5/2013	Louisiana Experimental Program to Stimulate Competitive Research Supervised Undergraduate Research Experiences Competition. "Role of Mast Cells in Diabetic Kidney Disease". Student: Kirsten A. Wood. Total Support \$5,500. Role: Mentor

Non-funded Applications

American Society of Nephrology William and Sandra Bennett Clinical Scholars Program "End-Stage Renal Disease Patient Case: Designing and Implementing an Interprofessional Educational

Experience for Fellows and Health Professional Students” Total Support: \$100,000. Total Project Period: 07/01/17 – 06/30/19. Principal Investigator: Mihran Naljayan, MD. Role: Co-Investigator

1 R25 GM121189-01, “LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences” Total Support: \$2,000,000. Total Project Period: 12/01/14 - 11/30/19. Role: Principal Investigator. Impact Score: 39

1 R25 GM113268-01A1 “LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences” Total Support: \$2,000,000. Total Project Period: 12/01/15 - 11/30/20. Role: Principal Investigator. Impact Score: 29

1 R25 GM113268-01, “LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences” Total Support: \$2,000,000. Total Project Period: 12/01/16 - 11/30/21. Role: Principal Investigator. Impact Score: 25

R01 GRANT10703783. National Institute of Diabetes and Digestive and Kidney Diseases. “Targeting Chymase in Diabetic Nephropathy”. Total Support: \$1,775,000. Total Project Period: 07/01/11 - 06/30/16. Impact Score: 25

Role: Principal Investigator. Percentile Scores: no score, 30, 27, 24 (funding line 20)
Submissions: 10/2007, 11/2008, 03/2010, 10/2010

Journal Publications

My work has been published in 58 journal articles, for which I've served as first-author or senior-author on 28 publications. This work has been cited 4,341 times with an h-index of 30 and i10-index of 45. I continue to prepare research and educational journal articles for submission for peer-review and publication.

Refereed

1. Walker BR, Brizzee BL, **Harrison-Bernard LM**. Potentiated vasoconstrictor response to vasopressin following meclofenamate in conscious rats. *Proc Soc Exp Biol Med* 187:157-164, 1988. PMID:3340625
2. Brizzee BL, **Harrison-Bernard L**, Pretus HA, Clifton GG, Walker BR. Hemodynamic responses to vasopressinergic antagonism in water-deprived conscious rats. *Am J Physiol* 255 (*Regulatory Integrative Comp Physiol* 24):R46-R51, 1988. PMID:3394844
3. Barbee RW, **Harrison-Bernard LM**, Zimmerman RS, Trippodo NC, Frohlich ED. Sympathectomy fails to reveal prominent vasodilation by atrial natriuretic factor. *Hypertension* 15(2):888-893, 1990. PMID:2141004
4. **Harrison-Bernard LM**, Brizzee BL, Clifton GG, Walker BR. Renal versus hindquarter hemodynamic responses to vasopressin in conscious rats. *J Card Pharm* 16:719-726, 1990. PMID:1703592
5. **Harrison-Bernard LM**, Vari RC, Holleman WH, Trippodo NC, Barbee RW. Chronic vs. acute hemodynamic effects of atrial natriuretic factor in conscious rats. *Am J Physiol* 260 (*Regulatory Integrative Comp Physiol* 29):R247-R254, 1991. PMID:1825157
6. Barbee RW, **Harrison-Bernard LM**, Carmines PK. Microvascular effects of atrial natriuretic peptide in rat cremaster. *Peptides* 13:1181-1185, 1992. PMID:1494499
7. **Harrison-Bernard LM**, Carmines PK. Juxtamedullary microvascular responses to arginine vasopressin in rat kidney. *Am J Physiol* 267 (*Renal Fluid & Electrolyte Physiol.* 36):F249-F256, 1994. PMID:8067385
8. Takenaka T, **Harrison-Bernard LM**, Inscho EW, Carmines PK, Navar LG. Autoregulation of afferent arteriolar blood flow in juxtamedullary nephrons. *Am J Physiol* 267 (*Renal Fluid & Electrolyte Physiol.* 36):F879-F887, 1994. (>105 Citations) PMID:7977792
9. **Harrison-Bernard LM**, Carmines PK. Impact of cyclo-oxygenase blockade on juxtamedullary microvascular responses to angiotensin II in rat kidney. *Clin Exp Pharmacol Physiol* 22:732-738, 1995. PMID:8575109

10. **Harrison-Bernard LM**, Navar LG. Renal cortical and medullary microvascular blood flow autoregulation in rat. *Kidney Int* 50:S-23-S-29, 1996. PMID:8941918
11. **Harrison-Bernard LM**, Navar LG, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of ANG II AT₁ receptor in the adult rat kidney using a monoclonal antibody. *Am J Physiol* 273(1 Pt 2) (*Renal Fluid & Electrolyte Physiol.* 42):F170-177, 1997. (>274 Citations) PMID:9249605
12. **Harrison-Bernard LM**, El-Dahr SS, O'Leary DF, Navar LG. Regulation of angiotensin II type 1 receptor mRNA and protein in angiotensin II-induced hypertension. *Hypertension* 33:340-346, 1999. (>100 citations) PMID:9931127
13. Cervenka L, **Harrison-Bernard LM**, Dipp S, Primrose G, Imig JD, El-Dahr SS. Early onset salt-sensitive hypertension in bradykinin B₂ receptor null mice. *Hypertension* 34(2):176-180, 1999. PMID:10454437
14. El-Dahr SS, **Harrison-Bernard LM**, Dipp S, Yosipiv IV, Meleg-Smith S. Bradykinin B2 null mice are prone to renal dysplasia: gene-environment interactions in kidney development. *Physiological Genomics* 3(3):121-131, 2000. PMID:11015607
15. Walker M III, **Harrison-Bernard LM**, Cook AK, Navar LG. Dynamic interaction between myogenic and TGF mechanisms in afferent arteriolar blood flow autoregulation. *Am J Physiol. Renal Physiol* 279(5):F858-F865, 2000. PMID:11053046
16. Kobori H, **Harrison-Bernard LM**, Navar LG. Expression of angiotensinogen mRNA and protein in angiotensin II-dependent hypertension. *J Am Soc Nephrol* 12(3):431-439, 2001. (>210 citations). PMID:11181790
17. Kobori H, **Harrison-Bernard LM**, Navar LG. Enhancement of angiotensinogen expression in angiotensin II-dependent hypertension. *Hypertension* 37(5):1329-1335, 2001. (>110 citations). PMID:11358949
18. **Harrison-Bernard LM**, Zhuo J, Kobori H, Ohishi H, Navar LG. Intrarenal AT₁ receptor and ACE binding in ANG II-induced hypertensive rats. *Am J Physiol Renal Physiol* 282(1):F19-F25, 2002. (>65 citations) PMID:11739108
19. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen reflects intrarenal angiotensinogen production. *Kidney Int* 61(2):579-585, 2002. (>210 citations) PMID:11849399
20. **Harrison-Bernard LM**, Imig JD, Carmines PK. Renal AT₁ receptor protein expression during the early stage of diabetes mellitus. *Int J Exp Diabetes Res* 3(2):97-108, 2002. Front and Back Covers of the April-June Journal Issue Displays our 7 Panel Color Figure of Angiotensin Receptor Immunolocalization in the Kidney of Diabetic and Normal Rats. PMID:11991202
21. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM. Renal segmental microvascular responses to ANG II in AT_{1A} receptor null mice. *Am J Physiol Renal Physiol* 284(3):538-545, 2003. PMID:12429556
22. Kobori H, Nishiyama A, **Harrison-Bernard LM**, Navar LG. Urinary angiotensinogen as an indicator of intrarenal angiotensin status in hypertension. *Hypertension* 41(1):42-49, 2003. (>210 citations) PMID:12511528
23. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Renal and blood pressure phenotype in 18 mo-old bradykinin B2R(-/-)CRD mice. *Am J Physiol (Reg Integr Comp Physiology)* 285(4):R782-R790, 2003. PMID:12805091
24. **Harrison-Bernard LM**, Hernadez Schulman I, Raji L. Postovariectomy hypertension is linked to increased renal AT₁ receptor and salt-sensitivity. *Hypertension* 42(6):1157-1163, 2003. (>114 citations) PMID:14610098
25. Prieto-Carrasquero M., **Harrison-Bernard LM**, Kobori H, Owaza Y, Hering-Smith K, Hamm LL, Navar LG. Enhancement of collecting duct renin in angiotensin II-dependent hypertensive rats. *Hypertension* 44(2):223-229, 2004. (>185 citations) PMID:15226276
26. **Harrison-Bernard LM**, Monjure CJ, Bivona BJ. Efferent arterioles exclusively express the subtype 1A angiotensin receptor: Functional insights from genetic mouse model. *Am J Physiol Renal Physiol* 290(5):F1177-F1186, 2006. PMID:16332932
27. Swafford, AN Jr, **Harrison-Bernard LM**, Dick GM. Knockout mice reveal that the angiotensin II type 1b receptor links to smooth muscle contraction. *Am J Hypertens.* 20(3):335-7, 2007. PMID: 17324748

28. Park S, Bivona BJ, **Harrison-Bernard LM**. Compromised renal microvascular reactivity of angiotensin type 1 double null mice. *Am J Physiol Renal Physiol* 293(1):F60-F67, 2007. PMID: 17409281
29. Shen B, **Harrison-Bernard LM**, Fuller AJ, Vanderpool V, Saifudeen Z, El-Dahr SS. The bradykinin B2 receptor gene is a target of angiotensin II type 1 receptor signaling. *J Am Soc Nephrol* 18(4):1140-1149, 2007. PMID:17344422
30. Park S, **Harrison-Bernard LM**. Augmented renal neuronal nitric oxide synthase and renin protein expression in angiotensin type 1 receptor null mice. *J Histochem Cytochem.* 56(4):401-414, 2008. PMID:18180383
31. Park S, Bivona BJ, Feng Y, Lazartigues E, **Harrison-Bernard LM**. Intact renal afferent arteriolar autoregulatory responsiveness in *db/db* mice. *Am J Physiol Renal Physiol* 295(5):F1504-F1511, 2008. PMID:18753291
32. Park S, Bivona BJ, Kobori H, Seth DM, Chappell MC, Lazartigues E, **Harrison-Bernard LM**. Major role for ACE-independent intrarenal ANG II formation in type II diabetes. *Am J Physiol Renal Physiol* 298(1):F37-F48, 2010. PMID:19846569
 Related Editorial Focus. Lorenz JN. Chymase: The other ACE? *Am J Physiol Renal Physiol* 298(1):F35-F36, 2010. PMID: 19923404
 2010 American Journal of Physiology: Renal Physiology Paper of the Year
 2011 American Journal of Physiology: Renal Physiology Inaugural Podcast Interview
33. Bivona BJ, Park S, **Harrison-Bernard LM**. Glomerular filtration rate determinations in conscious type II diabetic mice. *Am J Physiol Renal Physiol* 300(3):F618-F625, 2011. PMID: 21147841
34. Prieto MC, Das S, Somanna NK, **Harrison-Bernard LM**, Navar LG, Pandey KN. Disruption of *Npr1* gene differentially regulates the juxtaglomerular and distal tubular renin levels in null mutant mice. *Int J Physiol Pathophysiol Pharmacol* 4(3):128-39, 2012. PMID: 23071870
35. Herrera M, Sparks MA, Pecchio ARA, **Harrison-Bernard LM**, Coffman TM. Lack of specificity of commercial antibodies leads to misidentification of angiotensin type 1 receptor (AT₁R) protein. *Hypertension* 61(1):253-258, 2013. PMID 23150519
36. Park S, Bivona BJ, Ford S, Xu S, Kobori H, de Garavilla L, **Harrison-Bernard LM**. Direct evidence for intrarenal chymase-dependent angiotensin II formation on the diabetic renal microvasculature. *Hypertension* 61(2):465-471, 2013. PMID:23213190
37. **Harrison-Bernard LM**, Bivona BJ, de Garavilla L. Enhanced vascular chymase-dependent conversion of endothelin in the diabetic kidney. *The Ochsner Journal* 13:49-55, 2013. PMID: 23532714
38. Crapanzano JT, **Harrison-Bernard LM**, Jones MR, Kaye AD, Richter EO, Potash MN. High frequency spinal cord stimulation for complex regional pain syndrome: a case report. *Pain Physician.* 20(1): E177-E182, 2017. PMID: 28072810
39. **Harrison-Bernard LM**, Naljayan M, Eason J, Gunaldo T. Effectiveness of interprofessional education in renal physiology curricula for health sciences graduate students. *Adv Physiol Educ.* 41(4):594-598, 2017. PMID: 29138217
40. Poret JM, Souza-Smith F, Marcell SJ, Gaudet DA, Tzeng TH, Braymer HD, **Harrison-Bernard LM**, Primeaux SD. High fat diet consumption differentially affects adipose tissue inflammation and adipocyte size in obesity-prone and obesity-resistant rats. *Int J Obes (Lond).* 42(3): 535-541, 2018. PMID: 29151595
41. Park S, Bivona BJ, **Harrison-Bernard LM**. Lack of contribution of nitric oxide synthase to cholinergic vasodilation in murine renal afferent arterioles. *Am. J. Physiol. Renal Physiol.* 314(6):F1197-F1204, 2018. PMID: 29412691
42. Poret JM, Battle CA, Mouton AJ, Gaudet D, Souza-Souza F, Gardner J, Braymer HD, **Harrison-Bernard LM**, Primeaux SD. The prevalence of cardio-metabolic risk factors is differentially elevated in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *Life Sciences.* 223: 95-101, 2019. PMID: 30872180
43. **Harrison-Bernard LM**, Naljayan M, Gunaldo T, Edwards S. Effectiveness of multiple interprofessional education experiences in graduate physiology. *Adv. Physiol. Educ.*, 2019 In Press

Invited Non-Refereed

44. Navar LG, Inscho EW, **Harrison-Bernard LM**, Takenaka T. Paracrine interactions regulating renal microcirculatory function. *Clin Investig* 72(9):682-684, 1994. PMID:7849446
45. Navar LG, Inscho EW, Majid DSA, Imig JD, **Harrison-Bernard LM**, Mitchell KD. Paracrine regulation of the renal microcirculation. *Physiological Reviews* 76 (2):425-536, 1996. (>745 Citations) PMID:8618962
46. Navar LG, **Harrison-Bernard LM**, Wang CT, Cervenka L, Mitchell KD. Concentrations and actions of intraluminal angiotensin II. *J Am Soc Nephrol* 10:S189-S195, 1999. (>117 citations) PMID:9892162
47. Navar LG, **Harrison-Bernard LM**, Imig JD, Wang CT, Cervenka L, Mitchell KD. Intrarenal angiotensin II generation and renal effects of AT₁ receptor blockade. *J Am Soc Nephrol* 10: S266-S272, 1999. (>110 Citations) PMID:10201881
48. **Harrison-Bernard LM**, Raji L. Postmenopausal Hypertension. *Current Hypertension Reports* 2:202-207, 2000. PMID:10981150
49. Navar LG, **Harrison-Bernard LM**, Imig JD, Cervenka L, Mitchell KD. Renal responses to AT₁ receptor blockade. *Am J Hypertens* 13(1):45S-54S, 2000. PMID:10678288
50. Navar LG, **Harrison-Bernard LM**. Intrarenal angiotensin II augmentation in angiotensin II dependent hypertension. *Hypertens Res* 23:291-301, 2000. PMID:10912764
51. Navar LG, Mitchell KD, **Harrison-Bernard LM**, Kobori H, Nishiyama A. Intrarenal angiotensin II levels in normal and hypertensive states. *J Renin-Angiotensin-Aldosterone Syst* 2 (1):S176-S184, 2001. PMID:19644566
52. Navar LG, **Harrison-Bernard LM**, Nishiyama A, Kobori H. Regulation of intrarenal angiotensin II in hypertension. *Hypertension* 39(2): 316-322, 2002. (>374 Citations) PMID:11882566
53. **Harrison-Bernard LM**. Targeting of the renin-angiotensin system as an adjunct to estrogen replacement therapy. *Editorial Commentary for Hypertension*, 44:390-391, 2004. PMID:15337737
54. **Harrison-Bernard LM**. The renal renin-angiotensin system. *Advan Physiol Edu* 33(4):270-274, 2009. (>100 Citations) PMID:19948673
55. **Harrison-Bernard LM**. Trapping intracellular ANG II to the proximal tubule: Powerful *in vivo* effects on sodium handling and blood pressure. *Editorial Focus for Am J Physiol Renal Physiol* 300(5):F1074-F1075, 2011. PMID:21367912
56. **Harrison-Bernard LM**, Chappell MC. Unraveling the glomerular RAS - one peptidase at a time. *Editorial Focus for Am J Physiol Renal Physiol*; 303 (3):F373-F374, 2012. PMID: 22573374
57. Kobori H, Kamiyama M, **Harrison-Bernard LM**, Navar LG. Cardinal role of the activated intrarenal renin-angiotensin system in the pathogenesis of diabetic nephropathy. *J Investig Med* 61(2):256-264, 2013. PMID: 23266706
58. Herrera M, Sparks MA, Pecchio ARA, **Harrison-Bernard LM**, Coffman TM. Letter to the Editor Response to lack of specificity of commercial antibodies leads to misidentification of angiotensin type 1 receptor (AT₁R) protein. *Hypertension* 61(4):e32, 2013. PMID: 23607135
59. **Harrison-Bernard LM**. Sphingolipids, new kids on the block, promoting glomerular fibrosis in the diabetic kidney. *Editorial Focus for Am J Physiol Renal Physiol*. 309: F685-F686, 2015. PMID: 26155845
60. **Harrison-Bernard LM**. Mentoring Forum: Getting connected with women in science. *The Physiologist*. 60 (1): 1-4, 2017.

Manuscripts in Review for Publication

1. Bivona BJ, Takai S, Seth DM, Satou R, **Harrison-Bernard LM**. Chymase inhibition retards albuminuria in type 2 diabetes. *J Diab Metab Disorders*, In Review

2. **Harrison-Bernard LM**, Runxia T, Rajj L. Genetically conditioned interaction among microRNA-155, alpha-klotho, and intra-renal RAS: Link to CKD progression. *J Am Soc Nephrol*. In Review

Manuscripts in Preparation for Publication

1. Wood K, Ford SM, Jr, Naqvi N, Husain A, Kashlan OB, Kleyman TR, **Harrison-Bernard LM**. Enhanced tubular chymase-like protein expression in diabetic kidney. *J Histochem Cytochem*.
2. **Harrison-Bernard LM**. Insights into bringing a discussion of diversity and inclusion to basic science graduation education. *Advan Physiol. Educ*.
3. **Harrison-Bernard LM**. Nitric oxide modulation of outer medullary descending vasa recta function. *Am. J. Physiol. Renal Physiol*.
4. **Harrison-Bernard LM**, Augustus-Wallace AC, Souza-Smith FM, Tsien F, Casey GP, Gualdo TP. Assessing efficacy of a diversity training workshop in the academic workplace using the Kirkpatrick model. *Academic Medicine*

Book Chapters:

1. El-Dahr SS, **Harrison-Bernard LM**, Gomez RA, Navar LG. Molecular Biology of Renal System. In: The Encyclopedia of Molecular Biology: Fundamentals and Applications 264-274, 1996
2. Navar LG, **Harrison-Bernard LM**, Imig JD. Compartmentalization of intrarenal angiotensin II. In: *Renin-Angiotensin*, Edited by H.R. Ulfendahl and M. Aurell. London: Portland Press, 1998, p. 193-208
3. Navar LG, **Harrison-Bernard LM**, Imig JD, Mitchell KD. Renal actions of angiotensin II and AT1 receptor blockers. Chapter 13 Angiotensin II Receptor Antagonists, edited by Murray Epstein and Hans Brunner, pg 189 - 214, 2001
4. Kobori H, **Harrison-Bernard LM**, Navar LG. Role of activated renin-angiotensin system in the pathogenesis of diabetic nephropathy. "Advances in the pathogenesis of diabetic nephropathy" NovaScience Publishers, New York. Sharma S Prabhakar, MD (Editor) 161-197, 2012
5. Beierwaltes WH, **Harrison-Bernard LM**, Sullivan JC, Mattson DL. Assessment of renal function; clearance, the renal microcirculation, renal blood flow, and metabolic balance. Comprehensive Physiology. Renal Physiology. Editors: DM Pollock and J Garvin. *Compr Physiol* 3:165-200, 2013. PMID: 23720284

Published Abstracts

1. **Harrison-Bernard L**, Brizzee BL, Walker BR. Renal vs. hindquarter vascular response to vasopressin in conscious rats. *Federation Proc*. 46:1434, 1987 (Poster Presentation)
2. **Harrison-Bernard L**, Vari RC, Holleman WH, Trippodo NC, Barbee RW. Methods for studying long-term infusions of peptides in rats. *FASEB J*. 3(4):4519, 1989 (Poster Presentation)
3. **Harrison-Bernard L**, Vari RC, Holleman WH, Barbee RW. Chronic infusion of atrial natriuretic factor (ANF) exerts a sustained hypotensive effect, but only transient reductions in cardiac output (CO). *Hypertension* 14(3):347, 1989 (Oral Presentation)
4. Barbee RW, Zimmerman RS, Trippodo NC, **Harrison-Bernard LM**, Frohlich ED. Atrial natriuretic factor (ANF) lowers cardiac output without reflex vasoconstriction in the absence of increased sympathetic tone. *Hypertension* 14(3):353, 1989
5. **Harrison-Bernard LM**, Carmines PK, Barbee RW. Effects of intravenous atrial natriuretic factor (ANF) infusion on rat cremaster microcirculation. *FASEB J*. 5:A672, 1991 (Poster Presentation)

6. **Harrison-Bernard LM**, Carmines PK. Utilization of the *in vitro* blood perfused juxtamedullary nephron technique for study of the medullary microcirculation. *Hypertension* 19[suppl I]:I-133, 1992 (Poster Presentation)
7. **Harrison-Bernard LM**, Carmines PK. Influence of exogenous angiotensin II on outer medullary descending vasa recta function in the rat. *J. Am. Soc. Nephrol.* 2:519, 1991 (Poster Presentation)
8. Carmines PK, **Harrison-Bernard LM**. Effect of nitro-l-arginine on renal microvascular responses to arterial pressure alterations. *FASEB J.* 6(4):A979, 1992
9. Barbee RW, **Harrison-Bernard LM**, Taylor NR, Re RN, Murgu JP. Construction and calibration of economical pulsed Doppler transducers for measuring blood flow changes in chronically instrumented rats. *Content Top Lab Anim Sci* 31(4):42,1992
10. **Harrison-Bernard LM**, Cook AK, Carmines PK. Arginine vasopressin effects on juxtamedullary afferent and efferent arterioles in the rat. *J. Am. Soc. Nephrol.* 3:563, 1992 (Poster Presentation)
11. **Harrison-Bernard LM**, Cook AK, Carmines PK. Segmental comparison of arginine vasopressin effects on the juxtamedullary nephron microvasculature of the rat. *FASEB J.* 7(3):A220, 1993 (Poster Presentation)
12. Takenaka T, **Harrison-Bernard LM**, Carmines PK, Navar LG. Autoregulation of afferent arteriolar blood flow in blood perfused juxtamedullary nephrons. *FASEB J.* 7(3):A311, 1993
13. **Harrison-Bernard LM**, Cook AK, Carmines PK. Impact of cyclooxygenase blockade on renal arteriolar responses to angiotensin II. *J. Am. Soc. Nephrol.* 4(3):579, 1993 (Poster Presentation)
14. Takenaka T, **Harrison-Bernard LM**, Inscho EW, Carmines PK, Navar LG. Mechanistic components of afferent arteriolar blood flow autoregulation in blood perfused juxtamedullary nephrons. *J. Am. Soc. Nephrol.* 4(3):588, 1993
15. Cook AK, **Harrison-Bernard LM**, Inscho EW, Navar LG. Differential reactivity along juxtamedullary afferent arterioles to angiotensin II (ANG II). *FASEB J.* 8(4):A583, 1994.
16. **Harrison-Bernard LM**, Navar LG. Juxtamedullary efferent arteriolar blood flow autoregulation. *J. Am. Soc. Nephrol.* 5(3):604, 1994 (Oral Presentation)
17. **Harrison-Bernard LM**, Navar LG. Autoregulation of outer medullary descending vasa recta blood flow during increases in perfusion pressure. *FASEB J.* 9(3):A71, 1995 (Poster Presentation)
18. **Harrison-Bernard LM**, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of angiotensin II AT1 receptor in the adult rat kidney utilizing a monoclonal antibody. *J. of Invest. Med.* 44(1):49A, 1996 (Oral Presentation)
19. **Harrison-Bernard LM**, Navar LG, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of angiotensin II AT1 receptor in the adult rat kidney utilizing a monoclonal antibody. *J. Am. Soc. Nephrol.* 7(9):A1918, 1996 (Poster Presentation)
20. **Harrison-Bernard LM**, O'Leary DF, Zou L-X, Navar LG, El-Dahr SS. Maintenance of renal AT1 receptor mRNA levels in angiotensin II-induced hypertension. *FASEB J.* 11(3):A244, 1997 (Oral Presentation)
21. **Harrison-Bernard LM**, O'Leary DF, Vinson GP, Navar LG, El-Dahr SS. Renal AT1 receptor mRNA and protein levels are sustained in angiotensin II - induced hypertension. *FASEB J.* 12(4):A332, 1998 (Oral Presentation)
22. Cervenka L, Navar LG, **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Life-long high salt intake causes hypertension in bradykinin B2 receptor knockout mice. *Pediatr. Res.* 43:306A, 1998
23. Carmines PK, **Harrison-Bernard LM**, O'Leary DF, Imig JD. Renal AT1 receptor protein and angiotensin II levels during the early stage of diabetes mellitus in the rat. *J. Am. Soc. Nephrol.* 9:629A, 1998
24. El-Dahr SS, Dipp S, Cervenka L, **Harrison-Bernard LM**. Susceptibility to aberrant distal nephrogenesis and angiotensin-dependent hypertension in bradykinin B₂ receptor (B₂R) null mice. *J. Am. Soc. Nephrol.* 9:361A, 1998
25. **Harrison-Bernard LM**, O'Leary DF, Navar LG, El-Dahr SS. Maintained expression of angiotensin type 1 receptor mRNA and protein in angiotensin II - induced hypertension. *Hypertension* 32(2):628, 1998 (Poster Presentation)

26. **Harrison-Bernard LM**, Albert DF, Cook AK. Nitric oxide modulation of outer medullary descending vasa recta diameter. *FASEB J.* 13(5):A720, 1999 (Poster Presentation)
27. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Transient autoregulatory responses of afferent arteriolar diameter in juxtamedullary nephrons. *FASEB J.* 13(5):A1069, 1999
28. **Harrison-Bernard LM**, Raji L. Post ovariectomy (OVX) hypertension (HTN) is linked to upregulation of renal angiotensin II type 1 (AT1) receptors and increased salt-sensitivity. *Hypertension* 34(2):336, 1999 (Oral Presentation)
29. Raji L, Johnston B, **Harrison-Bernard LM**. Role of upregulation of renal angiotensin II type 1 (AT1) receptor and salt-sensitivity in post ovariectomy (OVX) Hypertension (HYP). *J. Am. Soc. Nephrol.* 10:353A, 1999
30. **Harrison-Bernard LM**, Zhuo J, Kobori H, Ohishi H, Navar LG. Differential regulation of renal AT1 receptors and angiotensin converting enzyme in angiotensin II-induced hypertension. *J. Am. Soc. Nephrol.* 10:346A, 1999 (Poster Presentation)
31. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Afferent arteriolar responses to changes in perfusion pressure and angiotensin II in AT1A receptor deficient mice. *J. Am. Soc. Nephrol.* 10:380A, 1999 (Oral Presentation)
32. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Dynamic interaction between the myogenic and tubuloglomerular feedback (TGF) mechanisms in the autoregulation of afferent arteriolar blood flow (AABF). *J. Am. Soc. Nephrol.* 10:390A, 1999
33. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen in angiotensin II induced hypertension. *J. Am. Soc. Nephrol.* 10:349A, 1999
34. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Afferent arteriolar diameter responses to angiotensin II in AT1A receptor deficient mice. *FASEB J.* 14(4):A135, 2000 (Poster Presentation)
35. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen protein in angiotensin II-infused hypertensive rats maintained on high salt diet. *Hypertension* 36(4):695, 2000
36. Kobori H, **Harrison-Bernard LM**, Navar LG. Expression of angiotensinogen mRNA and protein in angiotensin II-dependent hypertension. *J. Hypertension* 18(4):S3, 2000
37. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen in angiotensin II infused hypertensive rats maintained on high salt diet. *J. Am. Soc. Nephrol.* 11:335A, 2000
38. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Blockade of renal AT1B receptors by candesartan. *JRAAS.* 2 (1):S234, 2001 (Invited Speaker)
39. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Lack of efferent arteriolar diameter responses to angiotensin II in AT1A receptor deficient mice. *FASEB J.* 15 (4):A149, 2001 (Oral Presentation)
40. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Enhanced tubuloglomerular feedback (TGF) inputs dynamically modulate the afferent arteriolar myogenic mechanism. *FASEB J.* 15(4):A449, 2001
41. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen as an index of intrarenal production of angiotensinogen in angiotensin II-dependent hypertension. *J. Am. Soc. Nephrol.* 12:570A, 2001
42. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen reflects intrarenal angiotensinogen production. *Hypertension.* 38(3):528, 2001
43. Prieto-Carrasquero MC, Seth D, **Harrison-Bernard LM**, Navar LG. Regulation of distal tubule renin protein in angiotensin II-induced hypertensive rats. *J. of Invest. Med.* 50(1):134A, 2002
44. Prieto-Carrasquero MC, **Harrison-Bernard LM**, Seth D, Navar LG. Distal tubule renin regulation in angiotensin II-induced hypertension. *FASEB J.* 16(4):A494, 2002
45. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary angiotensinogen as an indicator of intrarenal angiotensin status. *Hypertension.* 40:41, 2002
46. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Bradykinin B2R^{-/-} mice exhibit renal dysgenesis, salt wasting and salt sensitivity: A phenocopy of human renal dysplasia. *FASEB J.* 17(4):A102, 2003 (Oral/Poster Presentation)

47. Prieto-Carrasquero, M, Hering-Smith KS, **Harrison-Bernard LM**, Kobori H, Hamm LL, Navar LG. Renin protein and mRNA localization in inner medullary collecting duct. *FASEB J.* 17(4):A486, 2003
48. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Bradykinin B2R-/-CRD mice exhibit renal dysgenesis, salt wasting and salt-sensitive hypertension. *Pediatr. Res.* 53:525A, 2003 (Poster Presentation)
49. Prieto-Carrasquero, M, Hering-Smith KS, **Harrison-Bernard LM**, Kobori H, Hamm LL, Navar LG. Renin protein and mRNA localization in inner medullary collecting duct. *Hypertension* 42:431, 2003
50. Schulman IH, **Harrison-Bernard LM**, Raij L. Salt sensitivity is a harbinger for postmenopausal hypertension and renal disease. *J. Am. Soc. Nephrol.* 13:A496, 2003
51. **Harrison-Bernard LM**, Smelcer SK, Westervelt JD. Intact renal microvascular responsiveness to norepinephrine in AT_{1A} receptor null mice. *FASEB J.* 18(4):A288, 2004 (Poster Presentation)
52. Licea H, **Harrison-Bernard LM**, Oliverio MI, Coffman TM, Navar LG. Hypotension persists in mature AT1A receptor deficient mice. *FASEB J.* 18(4):A738, 2004
53. Prieto-Carrasquero MC, **Harrison-Bernard LM**, Hering-Smith KS, Hamm LL, Navar LG. Renin expression in cortical collecting duct cells. *FASEB J.* 18(4):A738, 2004
54. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Genetic evidence that angiotensin II induced efferent arteriolar vasoconstriction is mediated via the AT_{1A} receptor. *FASEB J.* 19(5):A1144, 2005 (Poster Presentation)
55. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Lack of evidence of AT₂ receptor mediated vasodilation in afferent and efferent arterioles: Lessons from mice with deletion of AT₁ receptors. *Hypertension*, 46:872, 2005 (Poster Presentation)
56. Swafford, Jr AN, **Harrison-Bernard LM**, Dick GM. Knockout mice reveal the AT_{1b} receptor links to angiotensin II-induced smooth muscle contraction. *Circulation*, 112:17, U54, 2005
57. Shen B, Vanderpool V, **Harrison-Bernard LM**, Saifudeen Z, El-Dahr SS. The bradykinin B₂ receptor (B2R) gene is a physiological target for the angiotensin type 1 receptor (AT1R) *J. Am. Soc. Nephrol.* 16:594A, 2005
58. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Compromised renal microvascular reactivity in angiotensin type 1 receptor double null mice (DKO). *J. Am. Soc. Nephrol.* 16:392A, 2005 (Poster Presentation)
59. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. AT1 and AT2 mediated renal microvascular actions: Lessons from mice with deletion of AT1 receptors. *FASEB J.* 20(4):A762, 2006 (Poster Presentation)
60. Park S, Bivona BJ, Monjure CJ, **Harrison-Bernard LM**. Renal microvascular vasoconstrictor and vasodilatory responses are reduced in angiotensin type 1 receptor double null mice (DKO). *FASEB J.* 20(4):A761, 2006 (Poster Presentation)
61. **Harrison-Bernard LM**, Park S. Augmented renal renin and neuronal nitric oxide synthase (nNOS) protein expression in angiotensin type 1 receptor (AT₁) double null mice (DKO). *J. Am. Soc. Nephrol.* 17:503A, 2006 (Poster Presentation)
62. Park S, Bivona BJ, **Harrison-Bernard LM**. Intact renal afferent arteriolar autoregulatory responsiveness and enhanced AngII sensitivity in diabetic mice. *FASEB J.* 21:892.1, 2007 (Poster Presentation)
63. Park S, **Harrison-Bernard LM**. Angiotensin type 1 receptor (AT₁) double null mice (DKO) exhibit augmented renal renin and neuronal nitric oxide synthase (nNOS) protein expression. *FASEB J.* 21:906.1, 2007 (Poster Presentation)
64. Park S, Bivona BJ, **Harrison-Bernard LM**. Reduced ACE mediated ANG I effects on renal afferent arterioles in diabetic mice. *Hypertension*, 50:e99, 2007 (Poster Presentation)
65. Park S, Bivona BJ, **Harrison-Bernard LM**. Functional analysis of angiotensin responses in the renal microcirculation in type II diabetes. *J. Am. Soc. Nephrol.* 18:167A, 2007 (Poster Presentation)
66. Park S, Bivona BJ, Feng Y, Lazartigues E, **Harrison-Bernard LM**. ACE-independent ANG II generating pathway in type II diabetic renal vascular disease. *FASEB J.* 22:944.1, 2008 (Poster Presentation)

67. Belmadani S, Park S, Bivona BJ, Seth D, Kobori H, **Harrison-Bernard LM**. Increased urinary excretion of angiotensinogen (AGT) in type II diabetic mice. *FASEB J*. 22:944.4, 2008 (Poster Presentation)
68. **Harrison-Bernard LM**, Park S, Bivona BJ, Seth D, Kobori H. Afferent arteriolar vasoconstriction induced by ACE-independent generation of ANGII in kidneys of db/db mice. *Hypertension*. 52:e113, 2008 (Poster Presentation)
69. Park S, Bivona BJ, **Harrison-Bernard LM**. Augmented afferent arteriole (AA) vasoconstriction induced by chymase-dependent ANGII formation in diabetic renal disease. *FASEB J*. 23:804.1, 2009 (Oral and Poster Presentation)
70. Bivona BJ, Park S, **Harrison-Bernard LM**. Methodology for measuring steady-state glomerular filtration rate (GFR) using continuous intravenous infusion of FITC-inulin in conscious mice. *FASEB J*. 23:804.21, 2009 (Poster Presentation)
71. Lazartigues E, Feng Y, Cai Y, **Harrison-Bernard LM**. ACE2 over-expression regulates angiotensin receptors expression and nitric oxide levels in Syn-ACE2 transgenic mice. *Hypertension*. 54:e31, 2009
72. **Harrison-Bernard LM**, Bivona BJ, Jin D, Takai S. Evidence for chymase-dependent ANGII formation in the diabetic kidney. *Hypertension*. 56:e55, 2010 (Oral Presentation)
73. Sen X, Bivona BJ, Jin D, Takai S, **Harrison-Bernard LM**. Reduced renal vascular ACE activity in diabetes. *FASEB J*. 25:665.1, 2011
74. **Harrison-Bernard LM**, Bivona BJ. Enhanced afferent arteriole vasoconstriction following conversion of Big ET 1-38 in the diabetic kidney. *Hypertension*. 58:e139, 2011 (Poster Presentation)
75. **Harrison-Bernard LM**, Berner PM, Zhang X, Husain A, Naqvi N. Chymase: Augmented renal tubular localization in diabetes. *Hypertension*. 60: A393, 2012 (Poster Presentation)
76. Wood KA, Ford SM, Berner PM, Naqvi N, Husain A, **Harrison-Bernard LM**. Chymase protein expressed in principal cells of inner medullary collecting ducts in diabetic kidney disease. *FASEB J*. 27:702.1, 2013
77. Ford SM, Berner PM, **Harrison-Bernard LM**. Switch from ACE to chymase mRNA expression in diabetes in enriched renal vascular tissues harvested by manual sieving. *FASEB J*. 27:1110.9, 2013
78. Ford SM, Wood KA, Berner PM, Naqvi N, Husain A, Kashlan OB, Kleyman TR, **Harrison-Bernard LM**. Enhanced tubular chymase protein expression in diabetic kidneys activates the epithelial sodium channel (ENaC). *Hypertension*. 62: A502, 2013 (Poster Presentation)
79. Souza-Smith FM, Braymer HD, Allerton TD, Tzeng TH, **Harrison-Bernard LM**, Primeaux SD. Expression of inflammatory markers in visceral fat of obesity-prone rats is increased by high fat diet consumption. *FASEB J*. 29: LB658, 2015
80. Primeaux SD, Souza-Smith F, Poret J, Mouton AJ, Marcell SJ, Battle CA, Braymer HD, **Harrison-Bernard LM**. Adipose inflammation and cardiovascular disease risk factors in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *FASEB J*., 2016
81. **Harrison-Bernard LM**, Augustus-Wallace AC, Souza-Smith FM, Tsien F, Casey GP. Diversity Training Workshop for Graduate Faculty and Students. *FASEB J*. 32(1): 773.11, 2018 (Poster Presentation)
82. **Harrison-Bernard LM**, Naljayam MV, Mercante DE, Gualdo TP, Edwards S. Longitudinal interprofessional education in a graduate physiology course. *FASEB J*. 33(1): 766.4, 2019 (Poster Presentation)

Research Grant Review Committee

12/2001	NIDDK. RFA DK-01-016. Center of Excellence in Pediatric Nephrology. Scientific Review Administrator: Dan E. Matsumoto, Ph.D.
2002	Ad Hoc Reviewer for the Veterans Administration Research Fund
2004	Invited Pre-Review for the Veterans Administration Research Fund
9/2005	Ad Hoc Reviewer for NIH Hypertension and Microcirculation Study Section; Scientific Review Administrator: Ai-Ping Zou, PhD; Chairperson: Walter N. Duran, PhD (service postponed due to Hurricane Katrina)

04/2008 Greater Southeast Affiliate American Heart Association (AHA) Peer Review Committee Member R2-Cardiorenal: Chairperson: Michael W. Brands, PhD

2009 Swiss National Science Foundation

04/2011 AHA Peer Review Committee Member R1-Cardiorenal: Chairperson: John N. Lorenz, PhD

06/2011 Ad Hoc Reviewer for NIH Hypertension and Microcirculation Study Section; Scientific Review Administrator: Ai-Ping Zou, PhD; Chairperson: Marc Kaufman, PhD

10/2011 Ad Hoc Reviewer for NIH Vascular and Hematology Study Section; Council ZRG1 VH-D 90S; Scientific Review Administrator: Ai-Ping Zou, PhD

04/2012 Co-chairperson of the AHA Peer Review Committee R1-Cardiorenal: Chairperson: David Stec, PhD

06/2012 Ad Hoc Reviewer for NIH Vascular and Hematology Study Section; Council ZRG1 VH-D 90S; Scientific Review Administrator: Ai-Ping Zou, PhD

10/2012 AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: David Stec, PhD

12/2012 External Reviewer, The British Diabetic Association Grant Reviewer

04/2013 AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: David Stec, PhD

10/2013 Ad Hoc Reviewer for Special Emphasis Panel/Scientific Review Group 2014/01 HLBP 1; NHLBI Program Project Grant Reviewer; Scientific Review Administrator: Jeffrey Hurst, PhD

11/2013 External Reviewer: Ochsner Translational Medicine Research Initiative

09/2015 AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: Jennifer Sullivan, PhD

03/2016 AHA Peer Review Committee Member CardioRenal Basic Science 2: Chairperson: JJ Ramirez, PhD

06/2016 Ad Hoc Reviewer for NHLBI Special Emphasis Panel/Scientific Review Group 2016/10 ZHL1 CSR-F (O2) 1 Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01)

06/2016 External Reviewer: Ochsner Translational Medicine Research Initiative

10/2016 AHA Peer Review Committee Member CardioRenal Basic Science 3: Chairperson: J Miner, PhD

05/2017, 02/2018 AHA Peer Review Co-Chair CardioRenal Basic Science 1: Chairperson: J Sullivan, PhD

10/2017 Czech Health Research Council

10/2017 NIGMS Education and Training Study Section Member

02/2018 King Abdulaziz City for Science and Technology Basic Research Grant Program

06/2019 NIH-NIGMS Training, Workforce, Development and Diversity (TWD)

Program On-Site External Reviewer

01/2017 External Review of Wake Forest School of Medicine Post-baccalaureate Research Education Scholars Program, Winston-Salem, NC

Invited Presentations and Seminars

Plenary Lectureships or Refresher Courses at Professional Meetings/Symposia

International

06/2000 Angiotensin II Receptor Blockade: Effects Beyond Blood Pressure Control Scientific Meeting. Title: "Blockade of Renal AT_{1B} Receptors by Candesartan" Prague, Czech Republic

04/2005 Workshop on Angiotensin II Receptor Blockade. Title: "Direct Evidence of Blockade of Renal Microvascular AT1A and AT1B Receptors by Candesartan", Chantilly, France

National

07/1995 FASEB Summer Research Conference: Renal Hemodynamics - Vascular Biology of the Renal Circulation. Title: "Juxtamedullary Efferent Arteriolar Blood Flow Autoregulation", Saxtons River, VT

07/1998 FASEB Summer Research Conference: Renal Hemodynamics - Integration of Endothelial, Epithelial and Vascular Control Mechanisms. Title: "Hormonal Regulation of the Renal Medullary Circulation", Saxtons River, VT

07/2001 FASEB Summer Research Conference: Renal Microcirculatory Hemodynamics - Molecular, Cellular, Physiologic, Clinical and Integrative Mechanisms. Title: "Angiotensin Receptor Expression in the Kidney", Saxtons River, VT

04/2002 Experimental Biology (EB) Meeting. Title: "Angiotensin Responses in the Renal Microvasculature", New Orleans, LA

05/2004 American Society of Hypertension. Plenary Session Title: "Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models", New York, NY

06/2004 FASEB Summer Research Conference: Renal Microcirculatory and Tubular Dynamics: Molecules to Man. Title: "Angiotensin Receptor Function in the Renal Microcirculation", Pine Mountain, GA

04/2007 EB Meeting. Physiology Understanding (PhUn) Week Training Session. Title: "Effective Teaching Methods for High School Students", Washington, DC

04/2008 EB Meeting. Physiology Understanding (PhUn) Week Training Session. Title: "Food Labels/Nutrition Effective Teaching Methods for Elementary School Students", San Diego, CA

04/2009 EB Meeting. American Physiological Society Teaching Refresher Course in Renal Physiology Symposium. Title: "Renin Angiotensin System", New Orleans, LA

04/2010 EB Meeting. Symposium Title: Mouse Models of Diabetic Renal Disease Symposium. Title: "Role of ACE-dependent and ACE-independent pathways in diabetic renal disease", Anaheim, CA

02/2012 Gordon Conference - Angiotensin: Emerging and Evolving Paradigms in the Renin Angiotensin System. Session Topic: Breaking News in the Cardio-Renal RAS: Focus on Chymase and Mast Cells. Title: "Targeting Renal Chymase in Diabetic Nephropathy: Why ACE Inhibition is Not Enough", Ventura, CA

11/2013 American Society of Nephrology. Symposium Topic: More than just ACE inhibitors: new targets for treatment of diabetic nephropathy. Title: "Not an ACE in the Hole: Chymase and Serine Proteases as a Target in Diabetic Nephropathy", Atlanta, GA

04/2016 EB Meeting. Symposium Topic: A Scientific Foundation for Clinical Practice: More Than a Pile of Facts. Title: "Perspectives from Teaching Human Physiology in a Medical School: Tailoring Concepts to Align with Clinical Practice", San Diego, CA

Visiting Professorships or Seminars

International

- 04/2005 Pathologie Vasculaire et Endocrinologie Rénale, College de France. "Genetic Mouse Models of AT1 Receptor Subtypes: AngII Function in the Renal Microvasculature", Paris, France
- National**
- 07/1999 Division of Nephrology and Hypertension, Veterans Affairs Medical Center, University of Minnesota Medical School. "Regulation of Angiotensin II Type 1 Receptor in Hypertension", Minneapolis, MN
- 05/1999 Department of Physiology & Biophysics, University of Nebraska College of Medicine. Title: "Angiotensin II type 1 Receptor Regulation in Hypertension", Omaha, NE
- 03/2004 Division of Nephrology and Hypertension, Department of Medicine, Georgetown University. "Angiotensin II Type 1 Receptors in Renal Microvascular Physiology", Washington, DC
- 09/2007 Cardiovascular Seminar Series, University of Kentucky. "Control of the Renal Microvasculature by Angiotensin II", Lexington, KY
- 12/2007 Department of Physiology & Biophysics, University of Mississippi. "Angiotensin Converting Enzyme Independent Pathways for Angiotensin II Formation in the Diabetic Kidney", Jackson, MS
- 02/2016 Baptist Cardiac and Vascular Institute, American Heart Association Greater Southeast Affiliate, Cardiovascular Symposium, Key Note Speaker: "Heart Disease Research: What's on the Horizon", Pensacola, FL
- 01/2017 Department of Surgery/Hypertension & Vascular Research. "Renal Angiotensin Converting Enzyme Independent Pathways for Angiotensin II in Diabetes", Winston-Salem, NC
- Local**
- 1995 Archbishop Blenk High School. "What Are Possible Career Choices in the Sciences?"
- 1999 American Heart Association (AHA) Quarterly Regional Staff Meeting. "AHA - View on Basic Research"
- 2000 Annual Heart Smart Seminar "Inside Edition: AHA Scientific Research", Ruston, LA
- 2000 Television Interview for WVUE Health Quest. "Research Funding by the AHA" in Association with the AHA Gala Event
- 2001 Tulane University Health Sciences Center (TUHSC) Renal, Hypertension and Cardiovascular Conference. "Angiotensin II Effects on the Renal Microvasculature: Role of AT_{1A}, AT_{1B} and AT₂ Receptors"
- 2003 Workshop on Grant Writing and Grantsmanship Hosted by TUHSC and Xavier Universities. "How to Become a First-Time Recipient of an NIH RO1 Grant"
- 2003 LSUHSC Gene Therapy. "Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models"
- 2003 LSUHSC Department of Physiology. "Angiotensin II Receptor Function in the Renal Microvasculature"
- 05/2006 LSUHSC Department of Pharmacology & Experimental Therapeutics. "Genetic Evidence for AT1 Receptor Subtype Function in the Renal Microvasculature"
- 09/2006 LSUHSC Department of Physiology. "Diabetic Renal Vascular Dysfunction"
- 11/2007 TUHSC Department of Physiology. "Renin-Angiotensin System in Type II Diabetic Renal Disease"
- 03/2008 TUHSC Hypertension and Renal Center of Excellence. "ACE-Independent Pathways in Diabetic Renal Vascular Disease"
- 03/2008 LSUHSC Section of Nephrology and Hypertension. "Novel Pathways for ANGII Generation in Diabetic Renal Vascular Disease"

03/2008	LSUHSC Department of Physiology. "Renal Microvascular Responses Induced by ACE-Independent Generation of Angiotensin II in Type II Diabetes"
04/2010	TUHSC Department of Physiology. "Chymase: the other ACE?"
09/2010	LSUHSC Section of Nephrology and Hypertension. "Targeting Chymase in the Treatment of Diabetic Nephropathy"
02/2011	TUHSC Department of Pharmacology. "Direct Evidence for Intrarenal Chymase-Dependent Angiotensin II Formation on the Diabetic Renal Microvasculature"
05/2013	TUHSC Department of Physiology. "Targeting Renal Chymase in Diabetic Nephropathy"
10/2013	LSUHSC Department of Physiology. "New Therapeutic Approaches for the Treatment of Diabetic Kidney Disease"
03/2015	LSUHSC Section of Nephrology and Hypertension. "Diabetic Nephropathy: ACEi is Not Enough"
09/2015	University of New Orleans. "Diabetes and Kidney Disease"
05/2016	LSUHSC Physical Medicine and Rehabilitation. "Living with Complex Regional Pain Syndrome"
05/2017	LSUHSC Physical Medicine and Rehabilitation. "High Frequency Spinal Cord Stimulation for Complex Regional Pain Syndrome"
10/2018	Tulane Department of Physiology Symposium. "The Benefits of Being Mentored by L. Gabriel Navar, PhD."

Editorial Posts and Activities

Journal Editorships or Associate Editorships

2000 - 2011	Editorial Review Board Member of the <i>American Journal of Physiology: Heart & Circulatory Section</i>
2004 -2007	Editorial Review Board Member of <i>Hypertension</i>
2010 - Present	Editorial Review Board Member of <i>Frontiers in Renal and Epithelial Physiology</i>
2011 - Present	Editorial Review Board Member of the <i>American Journal of Physiology: Renal Physiology</i>
2011 - Present	Editorial Review Board Member for <i>Gender Medicine, The Journal for the Study of Sex and Gender Differences</i>
2013 - 2018	Editorial Board Member of <i>Physiological Reports</i>
2015 - Present	Editorial Board Member of <i>Life Science Teaching Resource Community</i>
2016 - Present	Editorial Board Member of <i>Diabetes Research-Open Journal</i>
2017 - Present	Editorial Board Member of <i>Advances in Physiology Education</i>

Reviewer Status

Acta Physiologica
Advances in Physiology Education
American Journal of Physiology
 Cell Physiology
 Endocrinology and Metabolism
 Heart and Circulatory Physiology
 Regulatory, Integrative and Comparative Physiology
BioMed Central Nephrology
Circulation Research
Experimental Physiology
Hypertension
Journal of the American Society of Hypertension
Journal of Histochemistry and Cytochemistry

Journal of Hypertension
Journal of the American Society of Nephrology
Kidney and Blood Pressure Research
Kidney International
Peptides
PLOS ONE

SERVICE ACTIVITIES

Tulane University Health Sciences Center

1995 - 2000	Chair Library and Educational Aids
1995 - 2003	Seminar Series
1998 - 2001	Renal Research Conference
1998 - 1999	Burroughs Wellcome Fund/FASEB Wellcome Visiting Professorship the Basic Sciences , Professor Pierre Corvol, Professor and Chairman of the Department of Experimental Medicine and Research, Director of Vascular Pathology and Renal Endocrinology, INSERM U36 at the Collège de France, Paris, France
2000 - 2001	Graduate Studies and World Wide Web
2000 - 2003	Chair Women in Physiology Scientists' Monthly Business Meetings
2000 - 2003	Library and Educational Aids
2001 - 2003	Graduate Studies
2001 - 2003	Biomedical Engineering and Undergraduate Liaison
2002 - 2003	Director HEF/COBRE Digital Imaging Core Facility
2003 - 2003	Facilities, Space and Shop

Louisiana University Health Sciences Center

School of Medicine Committees

2006 - 2007	Institutional Biosafety Committee
2007 - Present	Sabbatical Leave Committee
2010 - Present	Member of Committee on Women's Affairs
2011 - 2013	Faculty Assembly Alternate Delegate for Basic Sciences
2011 - Present	Member of Committee on Academic Standards
2012 - 2016	Member of Committee on International Travel
2013 - 2016	Faculty Assembly Delegate for Basic Sciences
2016 - Present	Curriculum Subcommittee on Addressing Cultural Competencies
5/2018	Ad Hoc Reviewer for Research Education Fund Grants
2018	Academic Collaboration for Health Equity

Special Assignments

2016 – Present	LCME Self Study Subcommittee 7 – Curricular Content
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School of Graduate Studies Committee

2018 - Present	Recruitment
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Departmental Committees

2004 - 2005	Chair Directors of the Physiology Core Facilities
2004 - 2005	Director Physiology Molecular Core Facility
2004 - 2008,	Physiology Faculty Search
2011 - 2016	
2008 - 2012	Physiology Seminar Series Coordinator
2010 - 2014,	Physiology Graduate Student

2017 - Present
 2010 - 2014 Chair Physiology Graduate Student Mentoring
 2017 - Present
 2014 - Present Graduate Student Recruitment Task Force
 2018 - Present Chair of Training and Mentoring Task Force

Scientific Service

2000 Featured Speaker for the Fifth Annual Heart Smart Seminar at the Lincoln General Hospital - "Inside Edition: American Heart Association (AHA) Scientific Research", Ruston, LA
 2000 Television Interview Held in the Tulane Microcirculation Lab Discussing the Research Funded by the Louisiana AHA for WVUE Health Quest
 2000 Spokesperson for AHA Gala Event
 2007, 2009, 2010 Judge for LSUHSC Graduate Research Day
 2012
 04/2009 Undergraduate Poster Presentation Judge for the American Physiological Society (APS) David Bruce Award at Experimental Biology (EB) Meeting, New Orleans, LA
 04/2010 Undergraduate Poster Presentation for the APS Judge for David Bruce Award at E Meeting, Anaheim, CA
 10/2012 College of Sciences Career Seminar at University of New Orleans (UNO), LA
 09/2014 Fall Resume and Cafe au Lait Resume Review Workshop by the Alumni Association Student Success Committee at the UNO
 11/2015 Xavier University Tri Beta Club "Graduate Education: Physiology Recruitment"
 04/2016 Recognized by the APS as a Five-Year Participant in Physiology Fun Week (PhUn Week)
 10/2016 Society for Advancement of Chicanos and Native Americans in Science Undergraduate Poster and Oral Presentations Mentor Judge for Biomedical Sciences: Physiology, Pathology, and Pharmacology
 11/2016 Annual Biomedical Research Conference for Minority Students (ABRCMS) - Undergraduate Poster Presentations Mentor Judge for Physiology
 11/2016 AHA Scientific Sessions, Impact Tour Guide
 04/2017 Recognized by the APS as a Ten-Year Participant in Physiology PhUn Week
 11/01/2017 ABRCMS - Undergraduate Poster Presentations Mentor Judge for Physiology
 11/17/2017 Louisiana State University Undergraduate Research Conference Symposium Speaker "Explore Academic Pipeline Programs at Louisiana Health Sciences Center – New Orleans"

Community Service Activities

American Physiological Society Physiology Fun Week (PhUn Week)

2005 Third Grade, St. Benilde Elementary, Metairie, LA
 12/2006 Fifth Grade, St. Benilde Elementary, Metairie, LA
 12/2006 Tenth Grade, Archbishop Rummel High, Metairie, LA
 03/2008 Sixth Grade, St. Benilde Elementary, Metairie, LA
 11/2008 Fourth Grade, Banneker Benjamin Elementary, New Orleans
 11/2010 Fourth Grade, St. Catherine of Siena Elementary, Metairie, LA
 11/2011 Sixth & Seventh Grade, St. Benilde Elementary, Metairie, LA
 04/2014 Fourth Grade, St. Catherine of Siena Elementary, Metairie, LA
 01/2016 First Grade, Crocker College Prep, New Orleans, LA

01/2017 First Grade, Homer Plessy, New Orleans, LA

Association of Women in Science-Southern Louisiana

06/2014 Girl Scout STEM Extravaganza Science Experiment "PhUn with pH"
06/2014 St. Joseph Church Rebuild Center Serve Lunch to Homeless
07/2014 New Orleans Public Library "Women Role Models in STEM Fields"
07/2014 Rosa F Keller Public Library "Heart Health"
06/2015 Milton H. Latter Memorial Library "Every Hero Has a Story"
05/13/2017 Girl Scouts Health and Science Fair "Where are your Organs"
10/21/2017, 09/29/18 Believe In Girls (B.I.G.) event sponsored by the Girl Scouts 'Dress Like a Scientist'
10/21/2017 Panel Discussant Believe In Girls (B.I.G.) event sponsored by the Girl Scouts

Other Education Outreach Events

1999 - 2002 Captain Physiology American Heart Association Walk
2007 Host Students from Ben Franklin High School, New Orleans, LA for Tour of Research Laboratory
2009 - 2013 American Physiological Society Science Fair Judge St. Benilde Elementary, Metairie, LA
04/2009 Shadow-a-Scientist K-12 Outreach Held at LSUHSC for 10th Grade High School Students
03/2012 Career Day Seminar at Archbishop Chapelle High School, Metairie, LA

Updated 04-22-19