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

Current Title: Professor with Tenure
Business Address: Louisiana State University Health Sciences Center
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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 - 06/2019	Tenured Associate Professor; Department of Physiology Louisiana State University Health Sciences Center
04/2017 - 06/2019	Adjunct Associate Professor; School of Nursing Louisiana State University Health Sciences Center
08/2017 – 06/2019	Adjunct Associate Professor; Cardiovascular Center Louisiana State University Health Sciences Center
07/2019 – Present	Tenured Professor; Department of Physiology Louisiana State University Health Sciences Center
07/2019 - Present	Adjunct Professor; School of Nursing Louisiana State University Health Sciences Center

07/2019 – Present	Adjunct 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
2019 - 2022	APS Diversity, Equity, and Inclusion Committee
2020 - 2024	AWIS-SL President

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

Facilitator for Scientific Conferences

2021	Peer-Onsite-Distance Mentoring for Underrepresented Minority Faculty for the National Hispanic Science Network Conference

Abstract Reviewer for Scientific Conferences

1999, 2000, 2011 2013, 2014, 2015, 2018, 2019	American Physiological Society (APS) Carol tum Suden Award
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 - 2022	AHA - Renal Physiology and Pathophysiology

2006	ASN Review Category Chair - Mediators, Signaling, Cell Growth, Apoptosis and Neoplasia: Hormones/Peptides/Growth Factors
2006, 2007, 2008, 2015	AHA CHBPR - Renin Angiotensin System
2012, 2013, 2014	AHA CHBPR - Renal Hemodynamics & Renovascular Hypertension; Angiotensin Converting Enzymes, Renin and Prorenin, Renin Angiotensin System
2016, 2018-2022	AHA CHBPR - Renal Hemodynamics & Renovascular Hypertension; Renin Angiotensin System
2016	Annual Biomedical Research Conference for Minority Students – Physiology
2018, 2019	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
2021	APS Publications 2020 Star Reviewer for Advances in Physiology Education
2022	Distinguished Alumnus of the Department of Physiology at Tulane University School of Medicine

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
05/31/2019	LSUHSC School of Nursing. Diversity, Inclusivity and Cultural Competency Training by Dr. Dereck J. Rovaris, Sr.
01/06/2020	The Ohio State University Kirwan Institute for the Study of Race and Ethnicity Online Implicit Bias Module Series
02/12/2020	LSUHSC School of Medicine: Creating an Inclusive Environment in the Laboratory
11/03/2021	Empowering People to Break the Bias Habit, Evidence-Based Approaches to Reduce Bias, Create Inclusion, and Promote Equity Virtual Workshop by William T. L. Cox, PhD

Mentoring Training

11/26/2019	Optimizing the Practice of Mentoring by National Research Mentoring Network (NRMN) and University of Minnesota Clinical and Translational Science Institute (CTSI), Online
11/18/2021	NRMN Unconscious Bias and Identity Certification
01/24-28/2022	Center for the Improvement of Mentored Experiences in Research (CIMER) Train-the-Trainers Workshop: Facilitating Entering Mentoring, University of Wisconsin-Madison

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 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 20	Summer	3 6 2	0	2003 1994-2003 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	2017-2021
CPSC 3220 Cardiopulmonary Physiology	Lecturer	30	Summer	4	0	2008-2011
DENT 1115 Dental Human Physiology	Lecturer	65	Spring	8 6	0	2015 2016-2021
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	**Director/Co-Director** /Lecturer	163 150	Fall Spring	12 15	8	2014 2015, 2016, 2019-2021
HLSC 2410 Nursing Human Physiology	**Director** /Lecturer	175	Fall Spring	13	0	2016-2021
HLSC 3410 Nursing Human Pathophysiology	Lecturer	100	Fall Winter Spring	2	0	2017-2021
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 2013-2021
Nephrology Fellows on Overview of Renal Physiology	Lecturer	5	Fall	4 3	0	2008-2011 2014-2021
PHYSIO 100 Medical Human Physiology	Lecturer Co-Director	200 250	Spring	1 8 10 12 10	32 40	2004 2005 2006, 2007 2008-2016 2017-2020 2021

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, 2020-2021
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	2017-2021
Team Up IPE	Facilitator	700	Fall/Spring	0	14	2017-2021
Tiger Scholars Undergraduate Summer Enrichment	**Director** Lecturer	10	Summer	24	0	2019-2021
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

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 05/2012, 10/2012 New approaches for slowing the progression of diabetic renal disease

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)
2021	Aesculapian Excellence in Teaching Award Runner-Up

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

Renamed American Physiological Society Martin Frank Diversity Travel Award

2021 Attipoe Esinam, Graduate Student, University of Mississippi Medical Center
2022 Gertrude Arthur, Graduate Student, University of Kentucky, Lexington, KY

American Physiological Society

2022 Natalia Mathieu, Medical College of Wisconsin, Milwaukee, WI

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”

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 - 2019	Kevin Ebert, Department of Pharmacology, LSUHSC
2022 – 2025	Eden Gallegos, 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
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; 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 65 journal articles, for which I've served as first-author or senior-author on 33 publications. This work has been cited 5,138 times with an h-index of 32 and i10-index of 48. I continue to prepare research and educational journal articles for submission for peer-review and publication.

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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 AT_2 receptor mediated vasodilation in afferent and efferent arterioles: Lessons from mice with deletion of AT_1 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 B_2 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 (AT_1) 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 (AT_1) 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/Pl 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**, Naljayan MV, Mercante DE, Gunaldo TP, Edwards S. Longitudinal interprofessional education in a graduate physiology course. *FASEB J.* 33(1): 766.4, 2019 (Poster Presentation)
83. **Harrison-Bernard LM**, Augustus-Wallace AC, Basha M, Tsien F. Creating new graduate level courses for the postbaccalaureate research education program scholars. (Poster Presentation NIH NIGMS Training, Workforce Development, and Diversity Program Directors' Meeting, 2019.)
84. Basha M, Rigterink K, **Harrison-Bernard LM,** Morales N, Harris D, Gunaldo TP. Student perception of a reflective lifestyle modification assignment within an undergraduate nursing physiology course. EB Meeting, 2021.

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	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of PREP Applications, Subcommittee - D
09/2019	AHA Peer Review Chair CardioRenal Basic Science 1
04/2020	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of IPERT Applications, ZGM1 TWD-7
10/2020	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of U-RISE, G-RISE Applications
11/2020	Florida Department of Health James and Esther King Biomedical Research Program
04/2021	Ad Hoc Reviewer for NIAID Special Emphasis Panel/Scientific Review Group 2021/05 ZAI1 PP-D (M1) of NIAID R25 Applications
06/2021	Ad Hoc Reviewer for Training, Workforce, Development and Diversity (TWD), Review of PREP Applications
08/2021-06/2023	Regular Member of NIH-NIGMS TWD-D Training and Workforce Development Study Section

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 Affair 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, Keynote

	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
09/2021	College of Pharmacy Graduate Program Seminar, Nova Southeastern University. “Combating Racial Inequities in Science”, Davie, FL
12/2021	APS, Porter Fellows “Justice, Equality, Diversity, Inclusion”

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 AT_2 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 *American Journal of Physiology: Heart & Circulatory Section*
2004 -2007	Editorial Review Board Member of *Hypertension*
2010 - 2021	Editorial Review Board Member of *Frontiers in Renal and Epithelial Physiology*
2011 - Present	Editorial Review Board Member of the *American Journal of Physiology: Renal Physiology*
2011 - Present	Editorial Review Board Member for *Gender Medicine, The Journal for the Study of Sex and Gender Differences*
2013 inaugural - Pres	Editorial Board Member of *Physiological Reports*
2015 - Present	Editorial Board Member of *Life Science Teaching Resource Community*
2016 - Present	Editorial Board Member of *Diabetes Research-Open Journal*
2020 - Present	Editorial Board Member of *Advances in Physiology Education*
2020 – Present	Editorial Board Member of International Journal of Molecular Sciences
2020	Guest Editor of International Journal of Molecular Sciences for “Diabetic Kidney Disease”
2021 – Present	Associate Editor of *Frontiers in Renal and Epithelial Physiology*

Ad Hoc Reviewer Status

Acta Physiologica
Advances in Physiology Education
American Journal of Medical Sciences
American Journal of Physiology
- Cell Physiology
- Endocrinology and Metabolism
- Heart and Circulatory Physiology
- Regulatory, Integrative and Comparative Physiology

Antioxidants
Biopharma
BioMed Central Nephrology
BMC Pharmacology and Toxicology
Circulation
Circulation Research
Ethnicity and Disease
Experimental Physiology
Hypertension
Journal of the American Society of Hypertension
Journal of Clinical Medicine
Journal of Histochemistry and Cytochemistry
Journal of Hypertension
Journal of Molecular Sciences
Journal of the American Society of Nephrology
Kidney and Blood Pressure Research

Kidney International
Molecules
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
Health Sciences Committee

2021- Present	Institutional Work Group on DEI Education

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
2020 – Present	Appointments and Promotions Committee
2021	Search Committee Chair of Cell Biology and Anatomy
2021	Nephrology Interest Group Faculty Advisor
2022	Appeals Committee for the Counsel on Student Professional Conduct

Special Assignments

2016 – Present	LCME Self Study Subcommittee 7 – Curricular Content

School of Graduate Studies Committee

2018 - Present	Recruitment

Departmental Committees

2004 - 2005	Chair Directors of the Physiology Core Facilities
2004 - 2005	Director Physiology Molecular Core Facility
2004 - 2008, 2011 - 2016	Physiology Faculty Search
2008 - 2012	Physiology Seminar Series Coordinator
2010 - 2014, 2017 - Present	Physiology Graduate Student
2010 - 2014 2017 - Present	Chair Physiology Graduate Student Mentoring
2014 - Present	Graduate Student Recruitment Task Force
2018 - Present	Chair of Training and Mentoring Task Force
2021 - Present	Chair Promotions and Tenure Committee
2021 – Present	Chair Diversity, Equity, and Inclusion Committee

Diversity Workshops Directed

01/2018, 03/08/18 04/03/18, 05/15/18 05/21/18, 11/06/18 02/07/19, 04/25/19 10/24/19, 12/09/20	LSUHSC Professional Development Workshop on Diversity, Equity, Inclusion and Implicit Bias in Academia
09/25/20, 10/02/20	Race Around the Table for Dept of Physiology and Biochemistry
10/08/20	Professional Development Workshop: Implicit Bias in Academia for Georgetown and Howard Universities Center for Clinical and Translational Science
11/02/20	Professional Development Workshop: Implicit Bias in Academia for LSUHSC Occupation Therapy
11/16/20	Professional Development Workshop: Diversity, Equity, and Inclusion in Academia for LSUHSC Occupation Therapy
04/22/21	Professional Development Workshop: Diversity, Equity, Inclusion in Academia for Georgetown and Howard Universities Center for Clinical and Translational Science
10/06/22	Professional Development Workshop: Microaggressions for Georgetown and Howard Universities Center for Clinical and Translational Science

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 2012	Judge for LSUHSC Graduate Research Day
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”
01/12/2020 02/25/2021 02/16/2022	The Greater New Orleans Science and Engineering Fair (GNOSEF) Judge
11/01/2020	ABRCMS - Undergraduate Poster Presentations Mentor Judge for Physiology
2020 – Present	Team Up Grader
03/01/2022	ENVISION Research Competition 2021-2022 Judge

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

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