

Associate Professor, Department of Physiology
Wayne State University School of Medicine 1996 - 2000

FACULTY APPOINTMENTS AND OTHER EMPLOYMENT

Adjunct Professor, Department of Biology
Central Michigan University 1996 - 2000

Member, Fetal Alcohol Research Center,
Wayne State University School of Medicine 1992 - 2000

Assistant Professor, Department of Physiology
Wayne State University School of Medicine 1990 - 1996

Adjunct Faculty, Department of Biology
University of the District of Columbia 1985 -1987, 2012

PROFESSIONAL SOCIETIES PAST AND PRESENT

American Council on Education
American Public Health Association
Mississippi Public Health Association
American Physiological Society
Research Society on Alcoholism
American Heart Association
Leadership Greater Washington

HONORS/AWARDS

Tau Sigma Honor Society, 2015
Leadership Greater Washington Member, 2007
NIH/NIAAA - Employee Performance Award, 2007
NIAAA EEO Special Achievement Award, 2006
NIH Director's Award for Exemplary Service, 2006
NIH/NIAAA - Employee Performance Award, 2005
Morgan State University – Department of Year Award (Biology), 2001
American Council on Education (ACE) Fellowship, 2000
Wayne State University, School of Medicine College Teaching Award, 1997
American Heart Association, 1992
NIH/Intramural Research Training Award Fellowship (IRTA), 1988-90'
Dorothy Danforth-Compton Graduate Fellowship, 1987-88'
NIDDK-NIH Faculty Travel Fellowship, 1988, 91'
Minority Biomedical Research Support (MBRS) Graduate Fellowship, 1980-87'

SERVICE

Journal/Editorial Activity (Peer Reviewer)

Alcohol (93,94')	Hypertension (1999,00')
Alcoholism: Clinical Exp. Research (95,97')	J.of Pharmacol. & Exper. Ther. (95,97,99')
American Journal of Physiology (1999)	Life Science (1997,1998)
Biochemical Pharmacology (1998)	Substance Abuse (1995)
Cell and Molecular Biology (2001)	

Training/Research Grant Activity (Peer Reviewer)

Department of Veterans Affairs – Cardiology Section Merit Review (2003)

National Institute on Alcohol Abuse and Alcoholism – R13 Review (2003)
National Academy of Sciences – HHMI Pre-doctoral Fellowships for Biological Sciences – (2000)
Training/Research Grant Activity (Peer Reviewer)
NIH/NHLBI NRSA Postdoctoral Fellowships (1994, 95', 00')
NIH/NIGMS Minority Access to Research Careers, *Study Section* (1998-02)

Training/Research Grant Activity (Peer Reviewer)
NIH/NIGMS Minority Biomedical Research Support Program (1994–98)
American Heart Association - Michigan “*Research Forum Committee*” *Member* (1996–00')
NIH/NIGMS NRSA Pre-doctoral Fellowships for Minority Students, (1994,95')
NIH/NCRR Minority High School Student Research Apprentice Program (1994)
American Physiological Society - Minority Pre-doctoral Travel Fellows, (1993)
American Heart Association - Michigan Affiliate *Grant-in-Aid* (1993–96')
National Science Foundation – Instrumentation and Lab Improvement (1992)
National Aeronautic Space Administration - Research Grants (1991)

National Program Activity (Moderator/Chair/Co-Chair)
NIH/Annual Biomedical Research Conference for Minority Students-ABRCMS
“Judge for Soc./Beh. Sci., Oral Presentations; Orlando FL; Nov., 2001
University of Maryland School of Dentistry – Guest Lecturer, Physiology (2001)
MSU-MBRS-RISE “Science Career Workshop” *Moderator* (Sept., 00', 01')
MSU-MBRS-RISE “Undergraduate/Graduate Research Symposium” April, 01' *Cardiovasc. Res.*,
Atlanta, GA (February, 2000)
Orientation for New Graduate Teaching Assistants, Session Chairman, “Making Science and Math
Accessible”, WSU Graduate School; 1996-97.
NSF Conf. "Ethnic Diversity in the Scientific Workplace" (1992), *Co-Chair*

Service and Training – Jackson State University
Crosby Mississippi Flood Relief Drive – Co-Organized (2016)
President’s Committee on Enrollment Management (2016)
President’s University Budget Committee (2016-2017)
Dean’s Council Task Force on Faculty Hiring Practices, Chair (2016)
Dean’s Council Task Force on Institutional Advancement, Chair (2016)
College of Science Engineering and Technology Dean’s Promotion and Tenure Committee (2016)
Academic Affairs Faculty Handbook Revision Committee, (2016)
Moderator – Panel Discussion 2016 Fall Faculty Staff Seminar, “Celebrating a Legacy of
Achievement in Student Success” (2016)
Managing Conflict Effectively – JSU HR Training; Ms. Kim Wiggins (2016)
Council of Deans – Office of Provost and Vice President for Academic Affairs (2013 -present)
Jackson Heart Study Liaison to Jackson State University CEO President, Carolyn W. Meyers
Steering Committee and Executive Committee (2013 - 2015)
College Realignment Strategic Plan (2013-2014)
3rd Annual Black Family Summit – Moderator “Preserving the Sustainability of HBCU’s” (2015)
Federal Emergency Management Administration (FEMA) Independent Study Course
"IS-00907" entitled "Active Shooter: What You Can Do (Certificate, 2015)
JSU Graduate Commencement Address 2015: Commencement Speaker (2015)
Center for Disease Control (CD) National Center for Health Statistics Conference (2015)

TECHJXN Economic Issues Summit and Hackathon - Planning Member and Emcee (2015)
Institute of Government's Scholar in Residence Lecture Host for Michael Espy (2014)

Service and Training – Jackson State University

Mississippi Governor Phil Bryant's Health Care Summit (2013)

JSU Alumni Panel (2013-2014)

Toys for Tots Annual Campaign (2013)

Public Health Program Self Study Committee (2013-2014)

Faculty and Staff Seminar Planning Co-Chair (2014)

Fall Faculty and Staff Seminar Session Moderator: "Institutional Transformation through
CyberLearning and Technology Infusion" (2014)

Legal Issues In Higher Education Certificate Training (2014)

Graduate School Tribute to Former NIH Director Yvonne Maddox (2014)

Youth Tennis Camp Communicative Disorders; Public Policy and Administration; and Tennis
Center South, Jackson, Mississippi (2014)

College Lecture Governor William Winter (2014)

Child Welfare Conference School of Social Work (2014)

Veterans Day Program (2013, 2014)

Graduate Council Executive Committee (2013- present)

Blackburn Middle School Thanksgiving Drive (2013)

Affordable Care Act Workshops – LeMont Scott Group and Humana

Mississippi Legislative Black Caucus – HHS Deputy Secretary Region IV Dr. Pamela
Roshell (2013)

Mississippi Head Start Association and Mississippi State Department of Education
(2013)

Dean's Council – Professor Emeritus Review Panel (2013)

Dean's Council – Adjunct and Online Faculty Compensation Panel Chair (2013)

WEB Dubois Honors College Steering Committee (2013-present)

Service - Howard University

RCMI Advisory Committee (2008)

SNRP Working Group (2008 – present)

College of Medicine Faculty Development Committee (2008)

Faculty Research Advisory Committee (2008)

A-133 Internal Audit Review Team (2008)

Service - Morgan State University

RIMI Advisory Committee (2000 – 2002)

MARC U*STAR Advisory Committee (2000 – 2002)

Faculty Research and Development Committee (2000 – 2002)

Graduate Council (2000 – 2002)

MBRS RISE - Program Director (2000 – 2002)

MBRS SCORE – Program Director (2000 – 2002)

NSF HBCU-UP Committee (SMET programs) (2000 – 2002)

Service -Wayne State University

Graduate Council, Graduate School; 1993 – 96'; See: www.wayne.edu (Google - Ricardo Brown)

Centers & Institutes Advisory Committee, Vice President Research & Graduate Dean, 1996-00'

New Programs & Program Review, Vice President Academic Affairs, 1996-00'

Scholarships & Fellowships Review Committee, Vice President for Academic Affairs, 1997 – 00'
Research Award Committee, Vice President for Academic Affairs, 1997 – 99'

Service -Wayne State University

Academic Promotions Committee, School of Medicine; 1997-00'
Minority Faculty Research Award Committee, Graduate School; 1991- 96'
Graduate Recruitment Fair; 1993-1996
Minority Biomedical Research Support Program, Steering Committee; 1995-00'
Committee for Assessment of Graduate Education, School of Medicine; 1996
Minority Faculty Host Committee, Graduate School; 1996
NIMH-Career Opportunities in Research Steering Committee, 1997-00'
Physiology Department Recruitment Officer; 1992 – 00'

TEACHING:

Wayne State University (Undergraduate & Graduate)

Engineering Physiology Course - ME 510; 1992-97'
Fundamentals of Physiology - PSL 322 Course Coordinator; 1993 – 95'

Wayne State University (Undergraduate & Graduate)

Research Issues in Substance Abuse and Mental Health - PHC 501; 1993 – 00'
Advanced Cardiovascular Physiology - PSL 760 (graduate;12 hrs); 1992 - 98'
Basic Medical Physiology Lecture - PSL 704 (graduate; 5 hrs); 1991- 00'
Essays in Physiology - PSL 709 (graduate); 1992 - 2000
Post-Baccalaureate Program (17 hrs/year); 1991- 2000
Mechanical Engineering Physiology - ME510; (17 hours/yr)
Physiological Research - PSL – 501/502 (1 hour/week); 1996 – 00'
Principles of Pharmacology – PHC – 7010 (2 hours) 1999 – 00'

Medical

Medical Physiology Cardiac Electrophysiology, Electrocardiography, Muscle Mechanics; 1994-00,
Regulation of Cardiac Function 1998–00:
Medical Physiology Cardiovascular Labs (6 sessions); 1991- 97'
Medical Physiology Pulmonary Labs (4 sessions); 1992 – 97'
Medical Student Board Review (2nd year); 1993 – 00'
USMLE Board Review, Cardiovascular Physiol., Year II Medical 1994 – 00'
Summer Enrichment Program, Cardiovascular Physiology; 1996, 97'

Morgan State University (Undergraduate & Graduate)

Anatomy and Physiology BIOL 201.001; 202.002
Freshman Orientation for Biology Majors ORIE 106.003
Introduction to Research Techniques BIOL 452.001
Cellular Biology BIOL 525.085

Jackson State University (Undergraduate & Graduate)

Contemporary Issues in Public Health – PHS 598 (2014, 2015)

Theses/Dissertations Directed at Wayne State University

Robert Hammond, Ph.D., “Doctoral Prospectus Committee Member, (1993 - 2000)
Patrick Alexander, M.S., "The Effects Exercise in Diabetic Cardiomyopathy"; (2000).
Venkatlakshmi Lakshmanan, M.S., "Physical Exercise and the Elderly"; (2000).
Michelle Crawford, M.S., "Effects of Tetrahydropapaveroline on the mechanical properties of

isolated cardiac myocytes from hypertensive rats"; (1998).

Theses/Dissertations Directed at Wayne State University

- Jeff Angobaldo**, M.S., "Comparison between d,l,-Sotolol, Amiodarone & Implantable Cardioverter Defibrillator for the Treatment of Ventricular Fibrillation: Influence of Alcohol on Ventricular Fibrillation Threshold"; (1998).
- Karl Ilg**, M.S., "The Effects of Dietary Magnesium Supplementation and Chronic Ethanol Consumption on Vasoactive Responses in Isolated Rat Aorta"; (1998).
- Andrew Jeffery**, M.S., "The Effects of Dietary Magnesium Supplementation and Chronic Ethanol Consumption on Cardiac Response to Ethanol Exposure"; (1998)
- Bradley Smude**, M.S., "Effects of Tetrahydropapaveroline on the mechanical properties of hypertensive myocardium"; (1997).
- Michael Ryan**, M.S., "Effects of Acetaldehyde on Contractile Force, Twitch, and Calcium Transients in Papillary Muscle and Ventricular Myocytes"; (1996).
- Ann Sundareson**, M.S., "Differential Effects of Calcium Channel Blocker Therapy on Diabetic Rat Myocardium and Inotropic Response to Ethanol"; (1996).
- Stephen Bastian**, M.S., "Skeletal Muscle Cardiac Assistance" (1996).
- Pauline Filipovich**, M.S., "Role of ATP-sensitive K-Channels in Diabetes-Induced Cardiac Dysfunction"; (1995).
- Feng Zhang**, Ph.D., "Effects of Estradiol on Voltage-Dependent and Receptor Operated Calcium Channels in Rat Vascular Smooth Muscle Cells"; (1994).
- Kish Golden**, Ph.D., "Studies on the Signal Transduction Pathway which Regulates Amino Acid Transport & Gene Expression in Mammary Gland"; (1994).
- Boyd Kroeze**, M.S., "ATP-sensitive K⁺ Channels in Heart and Blood Vessels"; (1994).
- Ian Thompson**, M.S., "Alterations of Adrenergic Regulation of the Myocardium and Cerebrovasculature in Diabetes Mellitus"; (1994).
- Paul R. Standley**, Ph.D., "Effects of Insulin on Agonist-Induced Cellular Calcium Mobilization in Vascular Smooth Muscle Cells from the Zucker at Model"; (1992).
- Guangsheng Wang**, M.A., "Role of the Autonomic Nervous System in the Insulin-Induced Cardiovascular Inhibition in Normal and Diabetic Rats"; (1992).
- Li Xin Liu**, M.A., "Smooth Muscle in Aplysia"; (1990).

Theses/Dissertations Directed – Other Institutions

- Luc Magloire Oke**, Ph.D., "Mechanism of Cocaine-Induced Sinoatrial Blockade", Department of Physiology & Biophysics, Howard Univ. College of Medicine, Washington, D.C. (2001)
- Richard Beswick** – M.A., "Cardioplegic Effects of Magnesium" Dept. of Biology, Central Michigan University (1997)
- Azeez Alieru**, Ph.D., "Cardiac Electrophysiological Effects of Amphetamine", Dept. of Physiology & Biophysics, Howard Univ. College of Medicine, Washington, D.C. (1995)

Undergraduate Mentoring - Wayne State University

Minority Access to Research Careers (MARC) & Minority Biomedical Research Support Program (MBRS)

Aleece Gutierrez, 1992-96'	Marcy Anthony, 1997 – 99'
Thomas Lloyd, 1993-95'	Melissa Natavio, 1997 – 99'
Jawana M. Lawhorn, 1991-94'	

Minority High School Student Research Apprentice Program (MHSSRAP)

Edwin Robinson, 1991-93'(Teacher)	Javonne Woodard, 1993
Jocelyn Evans, 1991	Lance Wells, 1994
Patricia Tarrant, 1992	Colin Watts, 1996

Undergraduate Mentoring - Wayne State University

American Physiological Society-High School Teacher Research Program

Nadine Tibbs, 1992

Edwin Robinson, 1991

National Medical Fellowships Award & Am. Heart Assoc. Medical Student Fellowship Program

Monica M. Lee; 3rd Yr. Med; 1993

Pauline Petrovski, 2nd Yr Med; 1998

Adrienne Adams, 2nd Yr. Med

Nimit Sudan, 2nd Yr Med; 1998

Minority Access to Research Careers (MARC) & Minority Biomedical Research Support (MBRS)

Collins Karikari, 2001

Sherema Fleming, 2000–01

Josephine Munyiri, 2000-01'

Trainee	Program	Dates	Degree	Current Occupation
Ann Sundareson*	BMS, MD, Staff	1993-98	MS, MD	Pediatrician, Milwaukee, WI
Pauline Petrovski*	BMS, MD, Staff, AHA Fellow	1993-99	MS, MD	Ob/Gyn, Frisco, TX
Monica M. Lee*	National Medical Fellow	1992-93	MD	Ob/Gyn, Detroit, MI
Nimit Sudan*	AHA Fellow	1996-98	MD	Internal Med., Cleveland, OH
Adrienne Adams	AHA Fellow	1993-96	MD	Psychiatry, Chicago, IL
Karl Ilg*	BMS, MD, Staff	1996-99	MS, MD	Chief Resident Univ. Michigan, Ann Arbor, MI
Michael Ryan*	BMS, MD, Staff	1993-99	MS, MD	Resident, St. Louis U., St. Louis, MO
Bradley Smude*	BMS, MD, Staff	1995-98	MS, MD	Emergency Med, Detroit, MI
Melissa Natavio*	MBRS, MD, Staff	1997-99	BA, MD	Resident, USC, Los Angeles
Michelle Crawford*	BMS, MD, Staff	1996-99	MS, MD	Unknown
Jeffery Angobaldo	BMS	1996-98	MS, MD	Plastic Surgeon
Feng Zhang	Dissertation Committee	1994	PhD/MD	Unknown
Prashant Bhasin*	Research Assistant	1992-96	BA/DDS	Dental Health Group At Flint, Flint, MI
Jun Ren*	Postdoctoral Fellow	1996-00	N/A	Professor of Physiology, Univ. Wyoming; Laramie, WY
Richard Beswick	Thesis Committee	1996-97	MA/PhD	Assistant Professor, Georgia State University, Atlanta, GA
Azeez Alieru	Dissertation Committee	1995	PhD	Associate Professor, Winston Salem State Univ.; Winston Salem, NC
Paul Standley	Dissertation Committee	1992	PhD	Professor of Physiology, Midwestern Univ., Phoenix Arizona
Kish Golden	Dissertation Committee	1994	PhD	Novartis, Adj. Asst. Professor WSU
Luc Magloire Oke	Dissertation Committee	2001	Ph.D.	Asst. Professor, Howard University, Washington, DC
Aleece Gutierrez	MARC, Staff	1990-97	BA, MA	Clinical Psychologist
Marcy Anthony	MARC, Staff	1997-99	BA	Unknown
Thomas Lloyd*	MARC, Staff	1991-96	BA	CEO, Computer Solutions, Detroit, MI
Jawana Lawhorn	MBRS, Staff	1991-96	BA	Research Associate, Detroit, MI
Jocelyn Evans	MHSSRAP	1991	BA	Physical Therapist, Detroit, MI
Javonne Woodard	MHSSRAP	1993	BA	Unknown
Ernest Wyatt	MHSSRAP	1992	BA/MPH	Health Administrator, Howard University Hospital; Washington, DC
Lance Wells	MHSSRAP	1994	BA	Research Assoc., MSU, East Lansing MI
Patricia Tarrant	MHSSRAP	1992	BA	Unknown
Colin Watts	MHSSRAP	1996	BA	Unknown
Collins Karikari	HBCU-UP, MBRS	2001	BA	Medical School

Last Updated: November 1, 2005, * = co-author on one or more peer-reviewed publication(s)

PUBLICATIONS

1. **Brown, R.**, & Ko, J. Y. (2016). A correlation analysis of poverty with race, education, and economic well-being in Mississippi with suggested policy alternatives. *Online Journal of Rural and Urban Research*, 6 (1), 64-72.
2. Davis, M., McCoy, P., Payton, M., **Brown, R.**, and Leggett, S. (2015). Family affluence scale revisited: Accumulation of material possessions versus children's perception of their family being well-off. *Online Journal of Rural and Urban*. 5 (1). 14-30.
3. Albeely, R., **Brown, R.**, Jenkins, B., Addison, C., and Payton, M. (2015). Impact of vaccinations on improving the health of children. *Online Journal of Rural and Urban*. 5 (1), 92-95.
4. Berry, A., **Brown, R.**, Jenkins, B., Addison, C., and Payton, M. (2015). Impact of vaccinations on improving the health of children. *Online Journal of Rural and Urban*. 5 (1), 75-77.
5. Fisher, J., **Brown, R.**, Jenkins, B., Addison, C., and Payton, M. (2015). Impact of vaccinations on improving the health of children. *Online Journal of Rural and Urban*. 5 (1), 78-83.
6. Bland, V., **Brown, R.**, Jenkins, B., Addison, C., and Payton, M. (2015). Impact of vaccinations on improving the health of children. *Online Journal of Rural and Urban*. 5 (1), 88-92.
7. Vann, A., **Brown, R.**, Jenkins, B., Addison, C., and Payton, M. (2015). Impact of vaccinations on improving the health of children. *Online Journal of Rural and Urban*. 5 (1), 84-87.
8. Lucas D., **Brown R.A.**, Wassef M., Giles, T.D. (2005) Alcohol and the cardiovascular system: Research challenges and opportunities. *J.A.C.C.* **45**:1916-24.
9. Zhang X., Li S.Y., **Brown, R.A.**, Ren J. (2004) Ethanol and acetaldehyde in alcoholic cardiomyopathy: From bad to ugly en route to oxidative stress. *Alcohol* **32**:175-186.
10. Purohit V., Russo D., Salin, M.S., **Brown R.A.** (2003) Mechanisms of alcoholic pancreatitis: Introduction of the symposium. *Pancreas* **27**(4):281-285.
11. Ren J, Natavio M, Ilg K, Hannigan JH, **Brown, RA.** (2002) Influence of prenatal alcohol exposure on myocardial contractile function in adult rat hearts: Role of intracellular Ca^{2+} and apoptosis. *Alcohol & Alcoholism* **37**:30-37.
12. Ren J, Wang GJ, Petrovski P, Ren BH, **Brown RA.** (2002) Influence of hypertension on acetaldehyde-induced vasorelaxation in rat thoracic aorta. *Pharmacol. Res.* **45**:195-199.
13. **Brown RA**, Ilg KJ, Ren J. (2002) Influence of hypertension on tetrahydropapaveroline-induced vasorelaxation in rat thoracic aorta. *Endocrine Res.* **28**:19-26.
14. **Brown RA**, Ilg KJ, Chen AF, Ren J. (2002) Dietary Mg^{2+} supplementation restores impaired vasoactive responses induced by chronic ethanol consumption in isolated rat aorta. *Eur J Pharmacol.* **442**:241-50.
15. **Brown, R.A**, Petrovski, P., Savage A.O. and Ren, J. (2001) Influence of ATP-sensitive K^+ channel modulation on the mechanical properties of diabetic myocardium. *Endocrine Res.* **27**:269-281.
16. Ren J, Natavio M, Jefferson L, Pavlik MC, **Brown, RA.** (2001) Loss of cardiac contractile response to tetrahydropapaveroline with advanced age and hypertension. *J. Cell. Mol. Biol.* **47**:OL15-OL22.

PUBLICATIONS

17. **Brown**, RA, Anthony MJ, Petrovski P, Ren J. (2001) Influence of gender, diabetes and acetaldehyde on intrinsic contractile properties of isolated rat myocardium. *J. Cardiovasc. Toxicol.* **1**:35-42.
18. **Brown** RA, Walsh MF, Ren J. (2001) Influence of diabetes and gender on vascular and myocardial contractile function. *Endocrine Res.* **27**:399-408.
19. Ren, J., Smude B.W. and R.A. **Brown** (2000) Diminished cardiac inotropism of tetrahydropaveroline in spontaneously hypertensive rats: role of β -adrenergic receptors. *Alcohol.* **21**:149-159.
20. Ren, J., Walsh, M.F., Jefferson, L., Natavio, M., Ilg, K., Sowers, J.R., and R.A. **Brown** (2000) Basal and ethanol-induced cardiac contractile response in lean and obese Zucker rat hearts. *J. Biomed. Sci.* **7**:390-400.
21. Ren, J., Walsh, M.F., Jefferson, L., Natavio, M., Ilg, K., Sowers, J.R., and R.A. **Brown** (2000) Reduced contractile response to insulin-like growth factor I in ventricular myocytes from genetically obese Zucker rats. *Am. J. Physiol.* **279**: H1708-H1714.
22. Zhu, L., Ling, S., Yu, X.D., **Brown**, R.A. and T.H. Kuo. (2000) Mitochondrial Ca^{2+} - mediated apoptosis and necrosis in cardiomyocytes. *Cell Calcium.* **28**:107-117.
23. Ren, J. and **Brown**, R. A. (2000). Influence of chronic ethanol ingestion on acetaldehyde-induced depression of cardiac contractile function. *Alcohol & Alcoholism* **35**:554-560.
24. Ren, J., Sowers, J.R., Natavio, M., and R.A. **Brown** (1999) Influence of age on the inotropic response to insulin and insulin-like growth factor I in spontaneously hypertensive rats: Role of nitric oxide. *Proc. Soc. Exp. Bio. Med.* **221**:46-52.
25. Ren, J., Sudan, N., Jefferson, L., Lloyd, T.C., and R.A. **Brown** (1999) Acetaldehyde depresses myocardial contraction and cardiac myocyte shortening in spontaneously hypertensive rats: Role of intracellular calcium. *J. Cell. Mol. Biol.* **45**:453-465.
26. Ren, J., Walsh, M.F., Hamaty, M., Sowers, J.R., and R.A. **Brown** (1999) Augmentation of the inotropic response to insulin in diabetic rat. *Life Sci.* **65**:369-380.
27. Ren J. and R.A. **Brown** (1999). Hypertension augments ethanol-induced depression of cell shortening and intracellular calcium transients in adult rat ventricular myocytes. *Biochem. Biophys. Res. Comm.* **261**:202-208.
28. Ren, J., Jefferson, L., Sowers, J.R., and R.A. **Brown** (1999) Influence of age on the contractile response to insulin-like growth factor I in ventricular myocytes from spontaneously hypertensive rats. *J. Hypertension* **34**:1215-1222.
29. Ren, J., Walsh, M.F., Hamaty, M., Sowers, J.R., and R.A. **Brown** (1998). Altered inotropic response to insulin-like growth factor I in diabetic rat heart: Influence of intracellular calcium and nitric oxide. *Am. J. Physiol.* **275**:H823-H830.
30. **Brown**, R.A, Crawford, M., Natavio, M., Petrovski, P. and Ren, J. (1998). Dietary magnesium supplementation attenuates ethanol-induced myocardial dysfunction. *Alcohol. Clin. Exper.* **22**:2062-2072.
31. Morales, J.A., Ram J.L., Song, J. and R.A. **Brown**. (1997). Acetaldehyde inhibits current through voltage-dependent calcium channels. *Toxicol. Appl. Pharmacol.* **143**:70-74.
32. Ren, J., Filipovich, P., Davidoff, A.J. and **Brown**, R.A. (1997) Acetaldehyde depresses shortening and intracellular calcium transients in adult rat ventricular myocytes. *J. Cell. Mol. Biol.* **43**: 825-834.
33. **Brown**, R.A., Adams, A. and A.O. Savage. (1996) Influence of insulin treatment on the mechanical properties and inotropic response to ethanol in diabetic myocardium. *J.Assoc. Academic Minority Physicians* **7**:143-148.

PUBLICATIONS

34. **Brown, R.A.** and A.O. Savage. (1996) Effects of acute acetaldehyde chronic ethanol and pargyline treatment on agonist responses of the rat aorta. *Toxicol. Appl. Pharmacol.* **136**:170-178.
35. **Brown, R.A.**, Lee, M., Sundareson, A.M., Woodbury, D.W. and A.O. Savage. (1996) Influence of calcium channel blocker therapy on the mechanical properties of diabetic myocardium. *ACTA Diabetologia* **33**:7-14.
36. **Brown, R.A.**, Lloyd, T.C., and Savage A.O. (1996) Acute and chronic effects of ethanol on papillary muscles from spontaneously hypertensive rats. *Eur. J. Pharmacol.* **302**:61-67.
37. **Brown, R.A.**, Filipovich, P., Walsh, M.F., and Sowers J.R. (1996). Influence of sex, diabetes and ethanol on intrinsic contractile performance of isolated rat myocardium. *Bas. Res. Cardiol.* **91**:353-360.
38. **Brown, R.A.**, Sundareson, A.M. and Lee, M. (1996). Differential effects of chronic calcium channel blocker treatment on the inotropic response of diabetic rat myocardium to acute ethanol exposure. *Life Sciences.* **59**:835-847.
39. **Brown, R.A.**, Lloyd, T.C., and Savage A.O. (1996). Influence of age on the inotropic response to acute ethanol exposure in spontaneously hypertensive rats. *Hypertension.* **28**:872-879.
40. Guthrie, S.K., D.W. Wilde, B.E. Bleske, A.O. Savage and R.A. **Brown.** (1995) Interactions of ethanol and quinidine on contractility and myocyte action potential in the rat ventricle. *J. Electrocardiol.* **28**: 39-47.
41. Savage, A.O., J.C. Dunbar and R.A. **Brown.** (1995) Effects of acetaldehyde on the isolated papillary muscle of diabetic rats. *J. Cardiovasc. Pharmacol.* **26**:251-258.
42. **Brown, R.A.**, A.O. Savage, P. Bhasin, and J.C. Dunbar. (1994) Chronic verapamil treatment attenuates the negative inotropic effect of ethanol in diabetic rat myocardium. *Can. J. Physiol. Pharmacol.* **72**:1013-1018
43. **Brown, R.A.**, E. Robinson and J.C. Dunbar. (1993) Inotropic effects of ethanol on the isolated papillary muscle of the diabetic rat. *Alcohol* **10**: 231-235.
44. **Brown, R.A.**, K.A. McCormick, P.V. Vaitkevicius and J.L. Fleg. (1991) Effect of postural stress on left-ventricular performance using the continuous-wave Doppler technique. *Chest* **100**: 738-743.
45. **Brown, R.A.** and R.G. Carpentier. (1990) Effects of acetaldehyde on membrane potentials of sinus node pacemaker fibers. *Alcohol* **6**: 33-36.
46. **Brown, R.A.** and R.G. Carpentier. (1989) Effects of acetaldehyde on the automaticity of the guinea pig sinus node. *Alcohol* **6**: 103-107.
47. **Brown, R.A.** and R.G. Carpentier. (1988) Alpha-adrenoceptor mediated effects of norepinephrine on the guinea pig sinus node. *J. Electrocardiology* **23**: 213-217.
48. **Brown, R.A.** (1988) Effects of acetaldehyde on the automaticity and transmembrane potentials of cardiac pacemaker fibers. Doctoral Thesis, Howard University

INVITED SEMINARS (Selected)

1. The Built Environment and Health. Training Communities to Achieve Health Equity. **Mississippi Department of Health and My Brothers' Keeper.** Jackson, MS, January, 2014
2. Acetaldehyde and Alcoholic Cardiomyopathy Lessons From ADH and ALDH-2 Transgenic Models, **Research Society on Alcoholism (RSA) Symposium: Acetaldehyde-Induced Cell Injury Targeting Multiple Organs,** Chicago, IL, 2007

INVITED SEMINARS (Selected)

3. Obesity, Diabetes and Cardiovascular Disease in the African American Community, **Archbishop John Carroll High School**, Washington, DC, April, 2006
4. Obesity, Diabetes and Cardiovascular Disease: What's Alcohol Have to Do With It? Alcohol and Addictions Journal Club; **Department of Pharmacol., Collaborative Alcohol Research Center, Howard Univ. College of Medicine**, Washington, DC, February, 2006
5. Diabetes and Cardiovascular Disease in the African American Community, **National Black Nurses Association's 32nd Annual Meeting**, San Francisco, CA, August, 2004
6. Diabetes, Heart Disease and Women, **Columbia Heights Youth Club: Focus on Health, Washington, D.C.**, January, 2001.
7. Role of Magnesium in Ethanol Induced Cardiovascular Dysfunction. **University of Miami School of Medicine**, Miami, FL, March, 2000.
8. Role of Magnesium in Ethanol-Induced Cardiovascular Disease. Seminar, Department of Biology, **Clark-Atlanta University**, February, 1999.
9. Influence of Ethanol and Diabetes on Intrinsic Contractile Performance of Isolated Rat Myocardium. Symposium Presentation. **Research Society on Alcoholism**, June, 1999.
10. Role of Magnesium in Ethanol Induced Cardiovascular Dysfunction. **University of Texas at San Antonio**, San Antonio, TX, December, 1999.
11. Role of Magnesium in Ethanol Induced Cardiovascular Dysfunction. **University of Maryland Baltimore County**, Baltimore, MD, December, 1999.
12. Role of Magnesium in Ethanol-Induced Cardiovascular Disease. Seminar, Department of Physiology and Biophysics **Howard University School of Medicine**, March 1998.
13. **National Association of Minority Medical Educators (NAMME)** Establishing Collaborative Efforts in the Changing Academic Environment: Successful Institution and Community Collaborations, March 1998.
14. Role of Magnesium in Ethanol-Induced Cardiovascular Disease. Seminar, Department of Physiology, **Wayne State University**, October, 1998.
15. Mechanisms Underlying Ethanol-Induced Cardiovascular Disease. Department of Nutrition and Food Sciences, **Wayne State University**, September, 1997.
16. Mechanisms Underlying Ethanol-Induced Cardiovascular Disease. Cardiology Conference Grand Rounds, **Henry Ford Hospital Heart and Vascular Institute**, September, 1997.
17. Risk Factors Associated with Diabetes-Induced Cardiomyopathy, **Morgan State University**, April, 1996.
18. Role of Acetaldehyde in Alcohol-Induced Cardiovascular Disease. Department of Physiology, **Wayne State University**, November, 1996.
19. Influence of Age on the Inotropic Effect of Alcohol in Hypertension. Institute of Gerontology, **Wayne State University**, January, 1996.
20. Academic Computing and Research, MIRDP Conf., **Hampton University**, May, 1995.
21. Cardiomyopathy of Diabetes Mellitus. Vascular Biology Forum On: Opportunities in Basic and Clinical Research at WSU; **Wayne State University**, May, 1995.
22. Hypertension, Alcohol, Diabetes and Heart Disease, **Barry University**, October, 1995.
23. Diabetes, Heart Disease and Women, **National Association of University Women**, North Central Regional Sectional Conference, November, 1995.
24. Chronic Verapamil Treatment Attenuates the Negative Inotropic Effect of Ethanol. Cardiology Research Program, **Wayne State University**, March, 1994.
25. Alcohol, Diabetes and Heart Disease. **University of the Virgin Islands**, April, 1994.

INVITED SEMINARS (Selected)

26. Alcohol, Diabetes and Heart Disease. Vascular Biology Program, Endocrinology University Health Center UHC-4H, **Wayne State University**. November, 1993.
27. Alcohol, Diabetes and Heart Disease. Fetal Alcohol Research Program, Mott Center **Wayne State University**, December, 1993.
28. Effects of Acetaldehyde: A Metabolite of Ethanol on the Sinus Node. Department of Physiology, **Wayne State University**, March, 1992.
29. Cardiac Electrophysiological Effects of Acetaldehyde: A Metabolite of Ethanol. Department of Physiology, **Meharry Medical College**; Nashville, TN, March, 1991.

Current Grant History

National Institute on Minority Health Disparities (NIMHD) Health and Health Disparities Endowment Program, “Jackson State University School of Public Health Research and Capacity Building in Minority Health and Health Disparities Endowment Program” (Pending) Direct Cost: \$10,000,000 – August, 2015.

NIH Training/Workshops/Committees

HHS/NIH “Orientation to Grants Administration for Program Officials”; Sept., 2002
NIH/NIAAA “Neurobiology of Alcohol and Aging” September, 2002
NIH/NIAAA “Presynaptic Substrates of Alcohol Action” September, 2002
NIH/NIAAA “Treatment Research Priorities and Health Disparities” September, 2002
NIH/NHLBI “Cardiovascular Consequences of Sleep Disordered Breathing” September, 2002
NIH/NIAAA “Role of Iron in Alcoholic Liver Disease” October, 2002
NIH/OD “Menopausal Hormone Therapy” October, 2002
NIH/NIAAA “Alcohol Use and Health Disparities 2002: A Call to Arms: December, 2002
NIH/OD - “Diabetes Mellitus Interagency Coordinating Committee” 2002
NIAAA/NHLBI - “Alcohol and Cardiovascular Disease” Workshop Planning Committee” 2002
HHS/NIH “Basic Project Officer Standard”; Sept., 2003
NIAAA - “Obesity and Alcohol Task Force” 2003
NIAAA – “Biomarkers Team; Special Populations Team; Moderate Drinking Team”, 2003-04
NIAAA – “Mechanisms of Alcohol Action and Injury Team”, 2004 (Scientific and Budget Retreat 2004; Extramural Advisory Board 2005 Scientific and Budget Retreat 2006)
NIH/OD – Annual “Ethics Training”, October, 2004
NIH/NIAAA – Strategic Planning Committee on Re-Organization, Oct, 2004
NIH/ NIAAA – Communications Committee, 2004- present
NIH/OD – ESA Training, Spring, 2005
NIH/NIDDK – Working Group; Advances and Emerging Opportunities in Type I Diabetes Mellitus Research, 2005
NIH/OD – The Standard Federal Grant Mechanism (SF 424) – October, 2005
NIH/NIAAA – Combined Capital Campaign Key Worker: DMHE (2005-2006 Campaign)
NIH/NIAAA - Co-Organized Workshop on: “Role of Betaine in the Treatment of Liver Disease”, Bethesda, MD, October, 2005
NIH/OD – Staff Training in Extramural Programs: Defining Race and Ethnicity in Biomedical & Behavioral Research: Biological, Social, Political & Policy Issues. April, 2006
NIH/OD – Staff Training in Extramural Programs: Crisis or Opportunity? Tools for Change Management. April, 2006
NIH/NIAAA – Human Capital Assessment Committee, March, 2006 - 2008

NIH Training/Workshops/Committees

NIH/NIAAA – Minority Health and Health Disparities Coordinator, June, 2006 – 2008
NIH/NCMHD – Research Forum Planning Committee, June 2006 – 2008
NIH/OD – NIH Director’s Award for the Trans-NIH Type I Diabetes Research Strategic Plan
NIH/OD – Special Populations Research Forum Committee, 2006 – 2008
NIH/OD – Trans-NIH Obesity Task Force, 2007 - 2008
NIH/OD – Nutrition Coordinating Committee, 2007 - 2008
NIH/NCMHD – Trans-NIH Roadmap Health Disparities Workgroup, July 2007 – 2008

Community Service

United Medical Center Hospital, Board of Directors, January 2013 – 2016
Patient Oversight Committee (Chair), Governance, and Strategic Planning Committees (2013-2014)
Strategic Steering Committee (Chair), Governance, and Strategic Planning Committees (2014-present)
American Center for Investigative Cardiology Board of Directors (2014 – present)
So That Others Might Eat (SOME), Corporate Board (2010 – 2014)
Government Accountability Office (GAO) Comptroller General Educator Advisory Panel (2014 - present)
National Association for the Advancement of Colored People Health Panelist (2013)
My Brother’s Keeper and Mississippi Department of Health– Training Communities Health Summit Intersecting Healthy Communities with Health Equity – The Built Environment" (2014)
Center for Integrated Approaches to Health Disparities (CIAHD) Panelist (2014)
American Heart Association, Lawyers Have a Heart Race Sponsor the Pillsbury Law Firm: “Cardiovascular Disease” Invited Speaker, May, 2009
American Heart Association Workshop, “Promoting a Culture of Wellness: Healthy Worksites” May, 2009.
Howard University, the Graduate School, “President Ribeau’s Inauguration Week-- the Graduate School’s “Alumni Forum: Future Trends in Graduate Education.” Session Speaker April, 2009
Government of the District of Columbia, Department of Health – Worksite Wellness Strategic Planning Meeting, March 2009
Howard University, Graduate School Workshop: “Research Misconduct” and Howard University Research Policies, February 2009
Leadership Greater Washington – Strategic Planning Task Force (2008-2009)
Leadership Greater Washington, (Class 2007) Co-Chair Class Project “Reducing Childhood Obesity in the Washington, DC Region (Developed Concept)
Howard University School of Nursing Health Careers Exploration (HE) Camp: Pathways to Careers in Biomedical Science and Research on Alcohol and Heart, June 2007
United Way National Capital Area – Child Wellness Steering Committee (Chair), 2007-2008
Healthy Kinder Incorporated – Advisory Board Member (Chair) 2008
Mentors Incorporated (Mentors Inc.) Career Day: Health Panel, McKinley Technical High School, Washington, DC May, 2007
Mayor Elect (Washington, DC) Adrian Fenty’s Pre-Transition Health Team Committee, Oct. 2006
Howard University and the University of Texas at El Paso’s (HUTEP) Third Annual Institute on Postdoctorate Preparation – Panelist “The Grant Review Process" (September, 06; Washington, DC)

Community Service

Community Anti-Drug Coalitions of America (CADCA) – Online Interview: Minority Health and Health Disparities (August, 2006)
Health Radio Program – WOL.AM 1450 (Lanham, MD); Topic: Wellnes 4 U, Obesity, Diabetes and Cardiovascular Disease (August, 28th, 2006)
National Organization of Concerned Black Men (CBM) – Member, Speakers Bureau (2006)
NIH Speakers Bureau – (2004-2008)
Columbia Heights Youth Club – Board Member (2003- 2011)
American Council on Education (ACE) - Chairing the Academic Department: A Workshop for Division Heads, Department Chairs and Deans; November, 2001

Local Organizations Served (Greater Washington Region)

American Public Health Association (Member)
Beacon House
Columbia Heights Youth Club (Board Chair)
Columbia Lighthouse for the Blind
Foundation Schools of Montgomery County
Girl Scouts of America
Howard University (College of Medicine, Graduate School, School of Nursing)
Latino American Economic Development Corporation (Washington Affiliate)
Leadership Greater Washington
Mentors Incorporated
Mississippi Public Health Association (Member)
DC Innovates (Founding Board Member)
National Organization Concerned Black Men
Healthy Kinder (Board Member)
The United Way National Capital Area Child Wellness Steering Committee (Chair)
So That Others Might Eat (Corporate Board Member)
Mayor Elect Adrian Fenty's Transition Team
(Health)
Mayor Elect Vincent Gray's Transition Team (One City Initiative; Health and Economic Development - Business Innovation)
United Medical Center (Board Member)