

**CURRICULUM VITAE****JOEY P. GRANGER, PH.D.****PERSONAL:**

Born: March 13, 1957, Erath, Louisiana  
 Married: Linda Doucet  
 Children: Heather Elizabeth, 1982  
 Leslie Claire, 1986  
 Jonathan Gabriel, 1988

**POSITIONS:**

2004-present Billy S.Guyton Distinguished Professor /University of Mississippi Medical Center

2007-present Dean, School of Graduate Studies in the Health Sciences/UMMC

1996-present Professor of Medicine/University of Mississippi School of Medicine

2008- Present Director, Cardiovascular-Renal Research Center  
 University of Mississippi Medical Center

1990- Present Professor of Physiology and Biophysics/University of Mississippi Medical  
 Center, Jackson, MS

1996-2008 Associate Director, Center for Excellence in Cardiovascular-Renal Research University of  
 Mississippi Medical Center

1988-1990 Associate Professor of Physiology/Eastern Virginia Medical School, Norfolk, VA

1986-1988 Assistant Professor of Physiology/Eastern Virginia Medical School, Norfolk, VA

1985-1986 Associate Consultant/Mayo Clinic and Foundation, Rochester, MN

1985-1986 Assistant Professor of Physiology and Biophysics, Mayo Medical School, Rochester, MN

1984-1985 Instructor/Department of Physiology and Biophysics, Mayo Medical School  
 Rochester, MN

1983-1985 NIH Postdoctoral trainee, Department of Physiology and Biophysics  
 Mayo Clinic and Foundation, Rochester, MN

1979-1983 NIH Predoctoral trainee, Department of Physiology and Biophysics  
 University of Mississippi School of Medicine, Jackson, MS

**EDUCATION:**

1979-1983 University of Mississippi Medical Center, Jackson,  
 Ph.D., Physiology/Biophysics

1975-1979 University of Louisiana, Lafayette B.S., Biology

**RESEARCH INTERESTS:**

Cardiovascular and renal physiology; pregnancy-induced hypertension; role of the kidneys in hypertension; role of oxidative stress and endothelin in renal injury; hormonal and local autocrine control of renal hemodynamics, endothelial control of kidney function and blood pressure regulation.

**MEMBERSHIPS:**

American Physiological Society  
 American Society of Nephrology  
 American Society of Hypertension, Charter Member  
 American Heart Association  
 Council for High Blood Pressure Research  
 Council on Kidney Diseases  
 Inter-American Society of Hypertension  
 International Society of Nephrology

**HONORS, AWARDS, and NATIONAL SERVICE:**

2017 Consortium for Southeastern Hypertension Control (COSHEC) Leadership Award  
 Chair, Council for High Blood Pressure Research, 2016-2018  
 2016 SEC Faculty Achievement Award  
 2016 Mayerson-DiLuzio Lecturer, Tulane University School of Medicine  
 Elected Fellow, American Physiological Society, 2015  
 Chair-Elect Council for High Blood Pressure Research, 2014-2016  
 Past-President, American Physiological Society 2012-2013  
 President, American Physiological Society 2011-2012  
 President-elect, American Physiological Society 2010-11  
 American Heart Association Distinguished Scientist Award, 2011  
 American Physiological Society E.H. Starling Distinguished Lecture Award, 2008  
 American Physiological Society Bodil M. Schmidt-Nielsen Distinguished Mentor and Scientist Award, 2008  
 Billy S. Guyton Distinguished Professorship, University of Mississippi Medical Center  
 L. K. Dahl Memorial Lecture, American Heart Association, 2002  
 Chair, Hypertension and Microcirculation Study Section, CSR-NIH 2008-2010  
 Inter-American Society of Hypertension Young Investigator Award, 1993  
 American Physiological Society, Reg. and Integrative Physiology Young Investigator Research Award, 1993  
 International Society of Hypertension, Demuth Young Investigator Award, 1992  
 American Society of Hypertension, Marion Research Award, 1991  
 American Heart Association, Established Investigator Award, 1989-1994  
 American Physiological Society Bowditch Lecture Award, 1989  
 American Physiological Society Lamport Research Award, 1988

**HONORS, AWARDS, and NATIONAL SERVICE (cont'd):**

Robert Mahaffey Research Award, 1983

National Institute of Health Young Investigator Award, 1985-1988

American Society of Nephrology Travel Award, 1987

Sir William Osler Award for Outstanding Teaching in Basic Sciences, 1990

Excellence in Teaching Award, 1988

Travel Grant Award of the International Society of Nephrology, London England, 1986

Travel Grant Award of the International Congress on Endothelial Derived Vasoactive Factors, Basel, Switzerland, 1992

Editor, Council for High Blood Pressure Research Newsletter, AHA (1999-2003)

Associate Editor, *Am J Physiol: Regulatory, Integrative and Comparative* (1996- 2006)

Consulting Editor, *Hypertension* (1994-2001)

Associate Editor, *Hypertension* (2001-present)

Editorial Board, Journal of the Cardiometabolic Syndrome (2005-present)

Editorial Board, *Am. J. Physiol.: Renal Physiology* (1999-2001)

Associate Editor, *News in Physiological Sciences* (1992-1995)

Editorial Board, *Am J Physiol: Renal, Water, Electrolyte* (1996-1998)

Editorial Board, *Hypertension* (1993-1995)

Editorial Board, *Am J Physiol: Regulatory, Integrative and Comparative* (1990-1995)

Editorial Board, *Am J Physiol: Renal, Water, Electrolyte* (1991-1994)

Publications Committee, Inter-American Society of Hypertension (1991-1993)

Section Editor, *Hypertension: Proceedings of the Inter-American Society of Hypertension*, 1991

Guest Editor, *Hypertension: Proceedings of the Inter-American Society of Hypertension*, 1993

Guest Editor, *Hypertension: Proceedings of the Inter-American Society of Hypertension*, 1995

Guest Editor, *Hypertension: Proceedings of the Inter-American Society of Hypertension*, 1997

Faculty, American Heart Association Postgraduate Nephrology Seminar, 1985

Faculty, American Heart Association Hypertension Summer School, 1995

American Physiological Society, Committee on Committees, 1996-98

American Physiological Society, Long-Range Planning Committee, 1988-1991

American Physiological Society, NIDDK Minority Fellowship Mentor, 1988, 1989, 1993, 1997

Ad Hoc Reviewer, Louisiana Education Quality Support Group, 1993

Ad Hoc Reviewer, The Wellcome Trust, London, England, 1993

Ad Hoc Reviewer, National Kidney Foundation, Michigan Affiliate, 1995-1996

Research Committee, American Heart Association, Virginia Affiliate, 1990

Research Committee, American Heart Association, Mississippi Affiliate, 1993-1994

**HONORS, AWARDS, and NATIONAL SERVICE (cont'd):**

Chairman, Research Committee, American Heart Association, Mississippi Affiliate, 1994-1996

Professional Education Committee, American Heart Association, Mississippi Affiliate, 1996-Present

Chairman, Publications Committee, Inter American Society of Hypertension, 1993-1995

Ad Hoc Reviewer, Clinical Sciences Study Section, National Institutes of Health, 1991

American Physiological Society, Career Opportunities in Physiology Committee, 1993-1996

National Institutes of Health, Clinical Sciences Study Section, 1993-1995

Scientific Awards Committee, American Society of Hypertension, 1993-1996

Publications Committee, Council for High Blood Pressure Research, 1994-1997

Publications and Communications Committee, American Society of Hypertension, 1996-1999

Membership Committee, American Society of Hypertension, 1999-2001

International Scientific Advisory Committee, Inter American Society of Hypertension, 1993-1995

Scientific Advisory Committee, Inter American Society of Hypertension, 1995-1997

Ad Hoc Reviewer, Louisiana Education Quality Support Group, 1994

Ad Hoc Reviewer, Veterans Administration Grant Reviews, 1994-2000

Ad Hoc Reviewer, National Aeronautics and Space Administration, 1994

Fellow, Council for High Blood Pressure, 1994

Ad Hoc Reviewer, National Institute of Health, Experiment Cardiovascular Science Study Section, 1996

Ad Hoc Reviewer, National Institute of Health, Biochemistry Study Section, 1996

Member, Program Project Special Review Committee, National Institute of Health

Ad Hoc Reviewer, National Institutes of Health, General Medicine Study Section, 1994

Cardiovascular-Renal Grant Review Committee, American Heart Association, 1994-1997

Chairman, MSD Young Investigator Award Committee, InterAmerican Soc. of Hypertension, 1995-1997

Chairman, Harry Goldblatt Award Selection Committee, Council for High Blood Pressure Res., 1996-1997

American Heart Association, Hypertension Summer School Organizing Committee, 1995-1996

Committee on Committees, American Physiological Society, 1996-1999

Council for High Blood Pressure Research, Professional Education Committee, 1996-1998

Chairman, American Heart Association-MS Affiliate, Professional Education Committee, 1996-1998

Steering Committee, Water and Electrolyte Section, American Physiological Society, 1996-Present

Special Emphasis Panel, National Heart, Lung, and Blood Institute, NIH 1997

National Board Medical Exam Physiology Test Development Committee 1997-2000

National Board Medical Exam Physiology Committee, 1997-2000

Program Committee, Council for High Blood Pressure Research, 1998-2003

Program Committee, American Physiological Society, 1998-present

**HONORS, AWARDS, and NATIONAL SERVICE (cont'd):**

Section Program Committee, Water and Electrolyte Section, American Physiological Society, 1998-

Internal Advisory Committee, Jackson Heart Study, NHLBI

Chairman, Hypertension Summer School Organizing Committee, 1998-99

Co-chairman, Organizing Committee, FASEB Summer Conference on Renal Hemodynamics: Integration of Endothelial, Epithelial and Vascular Control Mechanisms

Chairman, Inter American Society of Hypertension Awards Committee, 1998-2004

Membership Committee, American Society of Hypertension, 1999-2001

Liaison Member for Basic Science Council, CHBPR

Board of Trustees, Inter-American Society of Hypertension - 1999-2006

International Scientific Advisory Committee, Inter-American Society of Hypertension, 1999-2006

President, Gulf Coast Physiological Society, 1999-2002

Editorial Board Member, American Journal of Hypertension, 2002-2006

Editorial Board Member, Journal of the American Society of Hypertension, 2006-present

Co-chairman, Organizing Committee, 2001 FASEB Summer Conference on Renal Hemodynamics: Integration of Endothelial, Epithelial and Vascular Control Mechanisms 2000-2001

Vice-Chairman, Hypertension Summer School Organizing Committee, 2000-01

Cardiovascular –Renal Study Section, CSR, National Institutes of Health 2000-2004

Special Emphasis Panel, NHLBI, Minority Training and Development Grants 2001, 2002

Hypertension Microcirculation Study Section, CSR, National Institutes of Health 2003-2004

Veterans Administration Nephrology Study Section, 2002-2006

Awards Committee, Council for High Blood Pressure Research, 2003-2006

Chairman, Water and Electrolyte Homeostasis Section, Am. Physiological Society, 2003-2006

Section Advisory Committee, Am. Physiological Society, 2003-2006

Nominating Committee, Am. Physiological Society, 2003-2006

Elected to Leadership Committee, Council for High Blood Pressure Research, 2004-2006

Strategic Planning Committee, Am. Physiological Society, 2005

Trainee Advisory Committee, Council for High Blood Pressure Research, 2006-2008

Hypertension Microcirculation Study Section, CSR, National Institutes of Health 2006-2008

Organizing Committee, Workshop on Gender, Sex Steroids, and Cardiovascular Diseases, CHBPR , AHA

Elected to Leadership Committee, Council for High Blood Pressure Research, 2006-present

Elected to Leadership Council, American Physiological Society, 2007

**HONORS, AWARDS, and NATIONAL SERVICE (cont'd):**

Vice chair, Organizing Committee, American Physiological Society Conference on Gender Differences in Cardiovascular-Renal Disease

Chair, Trainee Advisory Committee, Council for High Blood Pressure Research, 2006-present

Chair, Committees on Committees, American Physiological Society 2008-2010

Chair, Hypertension Microcirculation Study Section, CSR, National Institutes of Health 2008-2011

Pipeline Task Force, American Physiological Society 2008

Special Emphasis Panel, NHLBI, 2007, 2008, 2012

Am. Soc. Hypertension Programming Committee 2010-2011

Am. Physiol. Society, Strategic Planning Committee 2011

Member, Hypertension in Pregnancy Working Group, Am. College of Obstetricians and Gynecologists

Chair, Special Emphasis Panel, Molecular Endocrinology . National Institute of Health CSR, 2012

Member, Special Emphasis Panel, NHLBI PO1. National Institute of Health, 2012, 2013

Abstract Reviewer, Council for High Blood Pressure Research Meeting, 2012

Abstract Reviewer, American Society of Hypertension Meeting, 2013

Abstract Reviewer, World Congress of Nephrology meeting, 2013

International Scientific Advisory Board for the ET-13 meeting, 2013

International Planning Committee for the 1<sup>st</sup> PanAmerican Congress of Physiological Sciences – 2014

APS Leadership Institute Planning Committee-2014

Abstract Reviewer, International Society of Hypertension meeting, 2014

Chair-Elect Council for High Blood Pressure Research, 2014

Co-Chair, Program committee. International Society for the Study of Hypertension in Pregnancy

Vice Chair, Leadership Committee, Council on Hypertension 2014-present

Excellence in Research Award Selection Committee, Council on Hypertension, 2014-present

Chair, Fall Conference Program Committee, Council on Hypertension, 2014-present

Scientific Advisory Committee for the 14<sup>th</sup> International Conference on Endothelin

Chair, Awards Committee, Council on Hypertension, 2014-present

**Invited Reviewer:**

*American Journal of Physiology:*

*Regulatory, Integrative and Comparative Physiology*

*Renal, Water and Electrolyte Physiology*

*Heart and Circulatory Section*

*Endocrinology and Metabolism*

*Gastrointestinal and Liver Physiology*

*Cell Physiology*

*American Journal of Applied Physiology*

*Journal of Hypertension*

*Hypertension*

*European Journal of Physiology*

*Mayo Clinic Proceedings*

*Circulation*

*Journal of Clinical Investigations*

*Circulation Research*

*Microvascular Research*

*New England Journal of Medicine*

*American Journal of Medicine*

*Circulation*

*Journal of Clinical Investigations*

*Circulation Research*

*Journal of Cardiovascular Pharmacology*

*Journal of the American Society of Nephrology*

*Clinical and Experimental Physiology and Pharmacology*

*Lancet*

*Proceedings of the the National Academy of Sciences*

*Placental*

**TEACHING EXPERIENCE:**

1990-Pres. University of Mississippi Medical Center

Medical Physiology Course - Cardiovascular Physiology

Medical Physiology Laboratory - Renal QCP Laboratory

Advanced Renal Physiology - Course Director

Hypertension Residents Lecture Series

Introduction to Clinical Medicine

Integrative Medicine Course Coordinator

1986-1990 Eastern Virginia Medical School

Renal Physiology Systems Course - Medical students

Developed computer simulations laboratory in physiology

Initiated annual guest lectureships for medical students

Course Coordinator GI-GU Renal Course, 1986-1988

1983-1986 Mayo Graduate School of Medicine

Member, Dept. of Physiology Education Committee

Developed Master of Science Degree program in Biomedical Sciences

Graduate Medical Physiology Course (Renal and Cardiovascular Physiology)

Mayo Medical School

Urinary Tract Systems Course - Medical students

Mayo School of Health Related Sciences

Human Physiology Course - Physical Therapy students

Human Physiology Course - Graduate nursing students

1980-1983 University of Mississippi Medical Center

Medical Physiology Laboratory - Medical and Dental students

Medical Physiology - Nursing students

**COMMITTEES AND SERVICE:**Eastern Virginia Medical School

Member, Research Committee, 1987-1990

Faculty Senate

Representative, 1986

Secretary, 1987

Vice-President, 1988

Member, Committee on Committees, 1988

Coordinator, Physiology Seminar Series, 1986-1989

Chairman, Cardiovascular Ph.D. Track Committee, 1987-1990

Chairman, Cardiovascular Research Group, 1987-1990

Vice-Chairman, Search Committee for Dean, 1989

Member, Ad Hoc Committee on Curriculum, 1989

Chairman, Committee on NBME Performance

Member, Committee on M.D./Ph.D. Program Development, 1988-1989

Chairman, Committee on Animal Research Risk Management Procedures Committee, 1989

Member, Strategic Planning Committee, EVMS, 1988

University of Mississippi Medical Center

Member, Research Committee, Department of Medicine (UMC)

Co-Coordinator, Obesity, Kidney, and Essential Hypertension Symposium

Member, Centers and Institutes Committee

Member, Council of Deans Committee

Member, Psychiatry Chairman Search Committee

Member, Faculty Senate of University Medical Center

Member, Institutional Animal Care and Use Committee

Member, Institutional Assessment Committee

Member, Library Faculty Advisory Committee

Member, Long Range Planning Committee

Member, School of Medicine Curriculum Committee

Member, LCME Self Study on Research Committee

Member, School of Medicine Student Research Committee

Member, Medicine Chairman Search Committee

Member, Research Task Force

Member, Research Advisory Committee

Member, Radiology Search Committee

Member, Pathology Search Committee

Member, School of Medicine-Cirriculum Committee



Chairman, School of Graduate Studies in the Health Sciences - Graduate Council  
Chairman, Biochemistry Chair Search Committee  
Member, School of Medicine Student Research Committee  
Member, School of Medicine Research Space Committee  
Member, Research Advisory Committee  
Member Council of Deans  
Member, Long Range Planning  
Chair, School of Medicine-Faculty Appointments, Promotions and Tenure  
Member, Faculty and Staff Recognition  
Member, Library Faculty Advisory  
Member, Centers and Institutes  
Member, Institutional Assessment  
Member, School of Dentistry, Dean Search Committee  
Member, School of Medicine, Dean /Vice Chancellor Search Committee  
Chair, SHRP Deans Search committee  
Vice Chair, Centers and Institutes Committee

**SOURCES OF RESEARCH SUPPORT:**

<u>Source</u>	<u>Dates</u>	<u>Title</u>	<u>Amount</u>
<b><u>ACTIVE GRANTS (Total Direct Costs)</u></b>			
NIH 1T32HL105324	2015-2020	Hypertension and Cardiorenal Diseases Research Training Program PI: J.P. Granger	\$1,861,120
NIH 2 P01 HL051971-	2014-2019	“Renal Control of Body Fluids and Circulatory Dynamics” Project II of PPG PI: J.P. Granger (30%)	\$1,261,235
NIH R01 HL136684	2017-2021	Placental Ischemia, Hypertension and Hemodynamics Co-PI: J. P. Granger	\$2,284,000
NIH 1P20 GM 104357-01	2013-2018	Cardiorenal and Metabolic Diseases Research Center Associate Director and Co-Investigator: J P Granger	\$11,405,052
1R01HL121527-01	2/1/14-1/31/19	A Novel Protein Delivery System \$ for Therapy of Preeclampsia, CO-Investigator	\$1,250,000
U54 GM115428 NIH/NIGMS	8/18/16 – 7/31/21	Mississippi Center for Clinical and Translational Research Wilson, JG, PI Core leader-: J P Granger	2,711,65
NIH/NRSA	7/1/14 – 6/30/17	Effects of obesity on the development of hypertension during pregnancy” Trainees : Frank Spradley Mentor: Joey P. Granger	\$165,188
AHA Postdoctoral Fellowship	7/1/13 – 6/30/15	Mechanisms for Placental Ischemia Medicated Cerebrovascular Abnormalities” Trainee: Paula Warrington Mentor: Joey P. Granger	\$93,704
AHA Postdoctoral Fellowship	1/1/14 – 12/31/16 :	“Hypertension, Pregnancy, and Hyperleptinemia” Trainee: Ana Palei Mentor: Joey P. Granger	\$101,912

**PREVIOUS SUPPORT****SOURCES OF RESEARCH SUPPORT (cont'd):**

<u>Source</u>	<u>Dates</u>	<u>Title</u>	<u>Amount</u>
NIH---K99HL116774		3/1/2012-2/28/2014 “Hypertension in Pregnancy” Trainee: Eric George	\$69,624
NIH/NICHD R43HD082657-01		09/25/2014 – 03/24/20 Development of a Novel Biologic to Treat Preeclampsia PI:Dr. Tan, Adelene, PhD Subaward PI: JP Granger	\$ 45,048
NIH R21 HL109763	2012-2014	Preeclampsia, IUGR and Hypertension: Targets for Treatment PI:J P Granger	\$ 411,125
NIH 2 P01 HL051971-	2009-2014	Renal Control of Body Fluids and Circulatory Dynamics” Project II of PPG PI: J.P. Granger (31%)	\$1,261,235
NIH HL38499	2006-2010	Abnormal Pressure Natriuresis in Hypertension (35%) PI: J.P. Granger	\$938,000
NIH HL66072	2006-2010	Humoral Factors in Gender Differences in Blood Pressure Control PI: Jane Reckelhoff Co-PI: J.P. Granger (15%)	\$1,600,000
NIH HL69194	2007-2011	Gender and Susceptibility to Kidney Damage in High Blood pressure PI:Jane Reckelhoff Co-PI: J. P. Granger (5%)	\$1,300,000
NIH HL51971	2004-2008	“Renal Control of Body Fluids and Circulatory Dynamics” Project II of PPG PI: J.P. Granger (31%)	\$1,077,898
NIH HL 076145	2003- 2006	Cardiorenal mechanisms of preeclampsia Sponsor: J.P. Granger Trainee: Derrick Chandler	\$60,000

**SOURCES OF RESEARCH SUPPORT (cont'd):**

<u>Source</u>	<u>Dates</u>	<u>Title</u>	<u>Amount</u>
NIH HL11666	2005-2008	“Pathophysiological mechanisms of preeclampsia Sponsor: J.P. Granger Trainee: Babette Lamarca	\$117,000
NIH HL51971	1998-2003	“Renal Control of Body Fluids and Circulatory Dynamics” Project II of PPG PI: J.P. Granger (31%)	\$1,177,778
NIH HL38499	2001-2005	Abnormal Pressure Natriuresis in Hypertension (30%) PI: J.P. Granger	\$600,000
NIH HL66072	2001-2005	Humoral Factors in Gender Differences in Blood Pressure Control PI: Jane Reckelhoff Co-PI: J.P. Granger (15%)	\$1,500,000
NIH HL65998	2002-2006	Vascular Mechanisms in Pregnancy-induced Hypertension PI: Raouf Khalil Co-PI: J. P. Granger (10%)	\$1,200,000
NIH HL 69742	2001- 2004	Role of endothelin in the regulation of sodium balance Sponsor: J.P. Granger Trainee: Sean Abram	\$60,000
AHA PREDOCTORAL	2003-2005	PATHOPHYSIOLOGY OF PREGNANCY-INDUCED HYPERTENSION SPONSOR: J.P. GRANGER TRAINEE: MONA SEDDEEK	\$36,000
NIH HL10137	1999-2002	“Cardiovascular-Renal Mechanisms of Hypertension-NRSA Sponsor: J.P. Granger Trainee: Barbara Alexander	\$106,788
NIH HL38499	1995-2000	Abnormal Pressure Natriuresis in Hypertension (30%) PI: J.P. Granger Trainee: Jacqueline Novak	\$564,050

**SOURCES OF RESEARCH SUPPORT (cont'd):**

<u>Source</u>	<u>Dates</u>	<u>Title</u>	<u>Amount</u>
NIH HL51971	1993-1998	“Renal Control of Body Fluids and Circulatory Dynamics” Project II of PPG PI: J.P. Granger	\$1,031,741
NIH HL51971	1993-1998	“Neurohormonal and Renal Mechanisms of Hypertension” Project III of PPG PI: John Hall Co-Investigator: J.P. Granger	\$1,042,966
NIH HL51971	1993-1998	“Hemodynamic and Endothelial Mechanisms Project IV of PPG PI: R.D. Manning Jr. Co-Investigator: J.P. Granger	\$949,973
NIH HL09373	1995-1998	National Research Service Award Sponsor: J.P. Granger	\$72,095
NIH 1T32HL105324	2010-2015	Hypertension and Cardiorenal Diseases Research Training Program PI: J.P. Granger	\$1,861,120
NIH HL38499	6/89-4/95	Abnormal Pressure Natriuresis in Hypertension PI: J.P. Granger	\$282,750
Parke Davis	1993-1994	“Role of Endothelin in Renal/ Cardiovascular Disease PI: J.P. Granger	\$ 36,500
AHA Established Investigator Award	6/89-7/94	ANF in Acute and Chronic Volume and Pressure Regulation PI: J.P. Granger	\$170,000
NIH HL11678	1978-1993	Project III “Renal Control of Body Fluids and Circulation Dynamics,” PI: John Hall Co-Investigator: J.P. Granger (5%)	\$673,739

**SOURCES OF RESEARCH SUPPORT (cont'd):**

Searle Pharmaceutical	2/90-6/90	Long-Term Drug Evaluation PI: J.P. Granger	\$ 6,000
Glaxo, Inc.	6/89-1/90	Long-Term Actions of ANP C-Receptor Antagonist on Renal Function and Blood Pressure Regulation PI: J.P. Granger	\$ 35,000
AHA Grant-In-Aid	7/87-6/90	Mechanism of Chronic Hypotensive Effect of Atrial Natriuretic Peptide PI: J.P. Granger	\$ 90,000
NIH - RO1 HL38054	2/87-1/90	Acute and Chronic Regulation of Sodium Balance PI: J.P. Granger	\$229,000
Searle- Monsanto	1/87-7/87	Atrial Natriuretic Peptide in Hypertension PI: J.P. Granger	\$ 5,000
EVMS-BSRG Co-Investigator	6/87-12/87	Mechanism of Blunted Natriuresis in Newborns PI: Michael Solhaug Co-PI: J.P. Granger	\$ 4,200
EVMS-BSRG	11/86-6/87	Mechanism of Chronic Hypotensive Effect of Atrial Natriuretic Peptide PI: J.P. Granger	\$ 4,800
NIH New Investigator Award	4/85-3/88	Abnormal Pressure Natriuresis in Hypertension PI: J.P. Granger	\$106,320
AHA (MN) Grant-in-Aid	7/84-6/85	Mechanisms in the Development of Renovascular Hypertension PI: J.P. Granger	\$ 13,695

**PRE- AND POST-DOCTORAL TRAINEES:**

## Postdoctoral Trainees

1. Lowell Stacy, Ph.D.	1987-1988
2. Tetsua Nakamura, M.D.	1990-1992
3. Antonio Alberola, M.D., Ph.D.	1991-1992
4. Tatsuya Kato, M.D.	1992-1994
5. Salah Kassab, M.D.	1992-1994
6. Jacqueline Novak, Ph.D.	1994-1997
7. Barbara Alexander, Ph.D.	1997-2000
8. Mytae Llinas	2000-2002
9. Babette Lamarca	2003-2007
10. Mysarra Sholook	2003-2005
11. Giovanni Gadonski	2003-2004
12. Batira Acosta	2005-2006
13. Jeffery Gilbert	2006- 2009
14. Eric George	2008-2011
15. Ana Palei	2011-present
16. Paula Warrington	2012-present
17. Frank Spradley	2012-present
18. BBB	
19.	

## Predoctoral Trainees

1. Kurt Wehburg	1988-1990
2. Clay Wilkins	1992-1996
3. Christine Godfrey	1993-1996
4. Barbara Tabor	1993-1994
5. Sean Abram	1997- 2004
6. Mona Sedeek	2000-2005
7. Derrick Chandler	2001-2006
8. Evelyn Ajelabi	2004-2006
9. Josh Speed	2006-2011
10. Sydney Roberts	2006-2010

## Medical and Undergraduate Student Research Fellows

1. Soheil Sooudi	1987
2. Elizabeth Meadows	1987
3. Michael LaRock	1988
4. Ravi Sharma	1988
5. Janet Allen	1988
6. Kurt Wehburg	1989
7. Sassan Hassassian	1989
8. Steve Patterson	1991
9. Mark Strong	1992
10. Todd Miller	1997
11. Barrett Newell	1999
12. Jennifer Wilson	1999
13. Lyndsey Roberts	2003

14. Matt Dukes	2006
15. Jason Bridges	2007
16. Drew Colson	2007
17. Chelsea Steele	2009

#### Dissertation Committees

1. Safia Baggia, Ph.D.	1987-1988
2. Edward Smith, Ph.D.	1988-1990
3. Kurt Wehberg	1988-1990
4. Lufei Hu, Ph.D.	1992-1994
5. Magdalena Alonso-Galicia, Ph.D.	1992-1995
6. Henry Keen, Ph.D.	1993-1997
7. Ben Hodnett	2004-2007

#### Visiting Scientist

1. Javier Salazar, Ph.D.	1991
2. Salah Kassab, MD., Ph.D.	1996-1998
3. Myssara Shollook	2003-2005



## BIBLIOGRAPHY

### Manuscripts Published or Accepted for Publication

1. Cook, B. H., D. E. Conwill, D. N. Granger, R. E. Parker, J. P. Granger, H. J. Granger, and A. E. Taylor. The effects of phospholipases on selected renal enzymes: A histochemical study. Exp. Mol. Pathol. 26:375-383, 1977.
2. Quillen, E. W., J. P. Granger, D.N. Granger, and A. E. Taylor. A mathematic simulation of interstitial volume and protein regulation in the small intestine. In: Proc. of the 1977 Summer Computer Simulation Conference, pp. 566-571, 1977.
3. Granger, D. N., J. P. Granger, R. E. Brace, R. E. Parker, and A. E. Taylor. Analysis of the permeability characteristics of the cat intestinal capillaries. Circ. Res. 44:335-344, 1979.
4. Hall, J. E., T. G. Coleman, A. C. Guyton, P. Kastner, and J. P. Granger. Control of glomerular filtration rate by circulating angiotensin II. Am. J. Physiol. 241:R190-R197, 1981.
5. Hall, J. E., A. C. Guyton, T. E. Jackson, J. P. Granger, and P. R. Kastner. Autoregulation of glomerular filtration: Role of renin-angiotensin system. Proc. Intl. Cong. Neph: Symposium on Renal Hemodynamics. pp. 162-169, 1981.
6. Hall, J. E. and J. P. Granger. Mechanism of the blood pressure and renal hemodynamic effects of captopril (SQ-14225). Am. J. Cardiol. 49:1527-1529, 1982.
7. Hall, J. E. and J. P. Granger. Control of renal hemodynamics by angiotensin II: Possible interactions with tubuloglomerular feedback. Am. J. Physiol. 245:R166-R173, 1983.
8. Granger, J. P. Control of renal function and arterial pressure: Role of the kallikrein-kinin system. Ph.D. Thesis. University Microfilms, 1993.
9. Hester, R. L., J. P. Granger, J. Williams, and J. E. Hall. Acute and chronic servo-control of renal perfusion pressure. Am. J. Physiol. 244:F455-F460, 1983.
10. Hall, J. E., A. C. Guyton, J. P. Granger, and T. G. Coleman. The kidney and experimental hypertension. In: The Kidney in Essential Hypertension. Edited by F.H. Messerli, Martinus Nighoff Publishers, Boston, pp. 87-103, 1984.
11. Hall, J. E., J. P. Granger, M. J. Smith, and A. S. Premen. Role of renal hemodynamics and arterial pressure in aldosterone "escape". Hypertension 6:I183-I192, 1984.
12. Hall, J. E., J. P. Granger, T. G. Coleman, and M. J. Smith. Mechanism of escape from sodium retention during angiotensin II hypertension. Am. J. Physiol. 246:F627-F634, 1984.
13. Haas, J. A., T. G. Hammond, J. P. Granger, E. H. Blaine, and F. G. Knox. Mechanisms of natriuresis with intrarenal infusions of prostaglandins. Am. J. Physiol. 247:F475-F479, 1984.
14. Burnett, J. C., J. P. Granger, and T. J. Opgenorth. Effects of synthetic atrial natriuretic factor on renal function and renin release. Am. J. Physiol. 247:F863-F866, 1984.

15. Granger, J. P. and J. E. Hall. Comparison of acute and chronic actions of bradykinin on renal hemodynamics and electrolyte excretion. Am. J. Physiol. 248:F87-F92, 1985.
16. Knox, F. G. and J. P. Granger. Renal hemodynamics and sodium excretion. In: Contemporary Nephrology III. Edited by S. Klahr and S. Massry, Plenum Medical Book Publishing Co., New York, pp. 61-86, 1985.
17. Romero, J. C., F. G. Knox, T. J. Opgenorth, J. P. Granger, and J. W. Keiser. The role of changes in sympathetic reflex activity on the renal escape from the sodium retaining effects of mineralocorticoids. Fed. Proc. 44:2382-2387, 1985.
18. Hall, J. E., J. P. Granger, and R. L. Hester. Interactions between adenosine and angiotensin II in controlling glomerular filtration. Am. J. Physiol. 248:F340-F346, 1985.
19. Opgenorth, T. J., J. P. Granger, A. Chakvarathy, F. G. Knox, and J. C. Romero. The contribution of intrarenal angiotensin II to the escape from the sodium-retaining effect of mineralocorticoid. Am. J. Physiol. 249:F813-F818, 1985.
20. Hall, J. E., J. P. Granger, R. L. Hester, and J. P. Montani. Mechanisms of sodium balance in hypertension: Role of pressure-natriuresis. J. Hypertens. 4:557-566, 1986.
21. Haas, J. A., J. P. Granger, and F. G. Knox. Effect of renal perfusion pressure on superficial and deep proximal sodium delivery. Am. J. Physiol. 250:F425-F429, 1986.
22. Granger, J. P., T. J. Opgenorth, J. Salazar, J. C. Romero, and J. C. Burnett, Jr. Long-term hypotensive and renal effects of chronic infusions of atrial natriuretic peptide in conscious dogs. Hypertension 8:II-112-II-116, 1986.
23. Opgenorth, T. J., J. C. Burnett, Jr., and J. P. Granger. Mechanism of inhibition of renin secretion by atrial natriuretic factor. Am. J. Physiol. 250:F798-F801, 1986.
24. Hall, J. E. and J. P. Granger. Renal hemodynamics and arterial pressure during chronic intrarenal adenosine infusion. Am. J. Physiol. 250:F32-F39, 1986.
25. Hall, J. E. and J. P. Granger. Glomerular filtration control by angiotensin II: Interactions with adenosine. Am. J. Physiol. 250:F917-F923, 1986.
26. Burnett, J. C., Jr., T. J. Opgenorth, and J. P. Granger. Renal effects of atrial peptide during control of GFR. Kidney Int. 30:16-19, 1986.
27. Burnett, J. C., Jr., P. C. Kao, D. C. Hu, D. W. Hesser, D. Heublein, T. J. Opgenorth, J. P. Granger, and G. S. Reeder. Atrial natriuretic peptide elevation in congestive heart failure in man. Science 231:1145-1147, 1986.
28. Salazar, F. J., M. J. Fiksen-Olsen, T. J. Opgenorth, J. P. Granger, J. C. Burnett, Jr., and J. C. Romero. Renal effects of ANP without changes in glomerular filtration rate. Am. J. Physiol. 251:F532-F536, 1986.
29. Romero, J. C., F. G. Knox, T. G. Opgenorth, and J. P. Granger. Contributions of neural reflexes in mineralocorticoid escape. In: Modern Concepts of Arterial Hypertension. Vol 2. Edited by J.A. Keiser, pp. 1-5, 1986.

30. Salazar, J., T. J. Opgenorth, J. C. Burnett, Jr., J. C. Romero, and J. P. Granger. Atrial natriuretic peptide levels during acute and chronic saline loading in conscious dogs. Am. J. Physiol. 251:R499-R503, 1986.
31. Granger, J. P. Role of renal interstitial hydrostatic pressure in the regulation of sodium excretion. Fed. Proc. 45:840-844, 1986.
32. Salazar, F. J., J. P. Granger, M. Joyce, J. C. Burnett, Jr., A.A. Bove, and J. C. Romero. Effects of hypertonic saline infusion and water drinking on atrial peptide. Am. J. Physiol. 251:R1091-R1094, 1986.
33. Pawlowska, D., J. P. Granger, and F. G. Knox. Effects of adenosine infusion into the renal interstitium on renal hemodynamics. Am. J. Physiol. 252:F678-F682, 1987.
34. Ruilope, L., J. Rodicio, R. Garcia-Robles, J. Sancho, B. Miranda, T. G. Hammond, J. P. Granger, and J. C. Romero. Low sodium diet or indomethacin prevent increased glomerular filtration rate associated with amino acid infusion in humans. Kidney Int. 31:992-999, 1987.
35. Granger, J. P., J. Salazar, J. C. Burnett, Jr., and M. Joyce. Elevated levels of atrial natriuretic factor during aldosterone escape. Am. J. Physiol. 252:R878-R882, 1987.
36. Salazar, F. J., J. P. Granger, M. J. Olsen, M. Bentley, and J. C. Romero. Possible modulatory role of angiotensin II on atrial peptide-induced natriuresis. Am. J. Physiol. 253:F880-F883, 1987.
37. Khraibi, A., J. P. Granger, J. C. Burnett, K. Walker, and F. G. Knox. Role of ANP in acute volume expansion natriuresis. Am. J. Physiol. 252:R921-R924, 1987.
38. Knox, F. G. and J. P. Granger. Control of sodium excretion: The kidney produces under pressure. News Physiol. Sci. 2:26-29, 1987.
39. Romero, J. C., L. Raij, J. P. Granger, J. Haas, L. M. Ruilope, and J. L. Rodicio. Multiple effects of calcium entry blockers on renal function in hypertension. Hypertension 10:140-151, 1987.
40. Granger, J. P. and M. Awazu. Atrial natriuretic factor in spontaneously hypertensive rats: Plasma levels and renal effects. In: Biologically Active Atrial Peptides. Edited by B.M. Brenner and J H. Laragh, Raven Press, New York, p. 516, 1987.
41. Awazu, M., J. P. Granger, and F. G. Knox. Natriuretic effect of atrial natriuretic peptide in diabetes insipidus rats. Proc. Soc. Exp. Biol. Med. 187:165-168, 1988.
42. Khraibi, A., J. P. Granger, and F. G. Knox. Renal Hemodynamics and Sodium Excretion. In: Contemporary Nephrology IV. Edited by S. Klahr and S. Massry, Plenum Medical Book Publishing Co., New York, 1988.
43. Granger, J. P., J. Haas, and F. G. Knox. Effects of direct increase in renal interstitial hydrostatic pressure on sodium excretion. Am. J. Physiol. 254:F527-F532, 1988.
44. Haas, J., J. P. Granger, and F. G. Knox. Effect of meclofenamate on lithium excretion in response to changes in renal perfusion pressure. J. Lab. Clin. Med. 111(5):543-547, 1988.
45. Pawlowska, D., J. A. Haas, J. P. Granger, J. C. Romero, and F. G. Knox. Prostaglandin blockade blunts the natriuresis of elevated renal interstitial hydrostatic pressure. Am. J. Physiol. (Renal, Fluid and Electrolyte Physiol) 254:F507-F511, 1988.

46. Haas, J. A., J. P. Granger, and F. G. Knox. Effect of intrarenal volume expansion on proximal sodium reabsorption. Am. J. Physiol. (Renal, Fluid and Electrolyte Physiology) 255:F1178-F1182, 1988.
47. Granger, J. and J. Scott. Effects of renal artery pressure on interstitial pressure and sodium excretion during renal vasodilation. Am. J. Physiol. (Renal, Fluid and Electrolyte Physiol. 24) 255:F828-F833, 1988.
48. Granger, J. P. and J. C. Burnett. Acute effects of AII on circulating levels of ANP in conscious dogs. J. Cardiovasc. Pharmacol. 8:1324-1325, 1989.
49. Solhaug, M. J. and J. P. Granger. Effect of sodium intake on fasting and postprandial levels of atrial natriuretic factor in humans. Life Sci. 45:931-937, 1989.
50. Gonzales, J. M., J. Kachelski, J. C. Burnett, J.C. Romero, J. P. Granger, and F. G. Knox. Proximal tubule response in aldosterone escape. Am. J. Physiol.(Regulatory, Integrative, Comparative Physiology) 25:R86-R90, 1989.
51. Gonzales, J. M., M. Awazu, J. P. Granger, J. A. Haas, J. C. Romero, and F. G. Knox. Blunted pressure-natriuresis in the Brattleboro diabetes insipidus rat. Hypertension 13:322-326, 1989.
52. Granger, J. P., E. Meadows, S. Sooudi, and D. L. Stacy. Mechanism mediating hypotensive effect of ANF in sodium-depleted dogs. Am. J. Physiol.(Heart Circ. Physiol. 26) 258:H502-H505, 1989.
53. Stacy, D. L., J. W. Scott, and J. P. Granger. Control of renal function during intrarenal infusion of endothelin. Am. J. Physiol. (Renal Fluid Electrolyte Physiol. 27) 285:F1232-F1236, 1990.
54. Granger, J. P., E. Blaine, D. L. Stacy, and M. J. LaRock. Effects of long-term increases in plasma ANP on angiotensin II-induced hypertension. Am J. Physiol.(Heart Circ. Physiol 27) 258:H1427-H1431, 1990.
55. Solhaug, M. J., M. R. Wallace, J. W. Scott, and J. P. Granger. Role of renal interstitial hydrostatic pressure in the blunted natriuresis of newborn piglets. Pediatr. Res. 28:460-463, 1990.
56. Wehberg, K. E., D. B. West, C. Kieswetter, and J. P. Granger. Baroreflex. sensitivity in the canine model of obesity-induced hypertension. Am. J. Physiol. 259:R981-R985, 1990.
57. Granger, J. P. Inhibitors of ANF metabolism: Potential therapeutic agents in cardiovascular disease. Circulation 82:313-315, 1990.
58. Granger, J. P., E. Meadows, and D. L. Stacy. Hypotensive effects of ANF in sodium depleted dogs: Role of renin suppression. J. Cardiovascular Pharmacol. 18:000-000, 1990.
59. Brenner, D. W., C. J. Brenner, J. Scott, K. Wehburg, J. P. Granger, and P. F. Schellhammer. Supra-renal Greenfield filter placement to prevent pulmonary embolization in patients with vena caval tumor thrombi. J. Urol. 147:19-23, 1992.
60. Giebish G., J. Granger, J. Greenleaf, R. Lydic, R. Mitchell, E. Nodel, S. Schultz, J. Wood, and E. Knobil. What's past is prologue. The Physiologist 33:161-188, 1990.
61. Knox, F.,G. and J. P. Granger. Control of sodium excretion: An integrative approach. In: Handbook of Renal Physiology. Edited by E. Windhager, Oxford University Press, New York, pp. 927-967, 1992.

62. Granger, J. P. Pressure-natriuresis: Role of renal interstitial hydrostatic pressure. Hypertension 19(1):I9-I17, 1992.
63. West, D., K. Wehburg, K. Keisweiler, and J. P. Granger. Impaired response to acute sodium loading in obese hypertensive dogs. Hypertension 19(1):I96-I100, 1992.
64. Granger, J. P., M. J. Solhaug, and J. W. Scott. Role of renal interstitial hydrostatic pressure in calcium antagonist-induced natriuresis. Am. J. Physiol. 262:R432-R436, 1992.
65. Granger, J. P., A. Alberola, F. Salazar, and T. Nakamura. Control of renal hemodynamics during intrarenal systemic EDNO synthesis blockade. J. Cardiovasc. Pharmacol. 20:S160-S162, 1992.
66. Khraibi, A., J. P. Granger, J. A. Haas, J. C. Burnett, Jr., and F. G. Knox. Renal interstitial hydrostatic pressure during inhibition of loop of Henle sodium transport. Am. J. Physiol. 263:R1182-R1186, 1992.
67. Nakamura, T., A. Alberola, and J. P. Granger. Role of renal interstitial pressure as a mediator of sodium retention during blockade of endothelium derived nitric oxide hypertension. Hypertension 21:956-960, 1993.
68. Manning, R. D., L. Hu, H. L. Mizelle, and J. P. Granger. Effects of nitric oxide on chronic angiotensin II-induced renal vasoconstriction. Hypertension 21:949-955, 1993.
69. Wilkins, F. C., Jr., A. Alberola, H. L. Mizelle, T. J. Opgenorth, and J. P. Granger. Chronic hypertension produced by long-term pathophysiological increases in circulating endothelin levels in conscious dogs. J. Cardiovasc. Res. 22(8):325-328, 1993.
70. Solhaug, M. J., M. Wallace, and J. P. Granger. EDNO modulates renal hemodynamics in the developing piglet. Ped. Res. 34:750-754, 1993.
71. Ratz, P. H., D. B. West, and J. P. Granger. Decreased potency of contraction to  $\alpha$ -adrenoreceptor stimulation in isolated renal arteries from obese hypertensive dogs. Am. J. Physiol. 265:R798-R803, 1993.
72. Dzielak, D. J., R. L. Hester, and J. P. Granger. Immunologic injury in the pathophysiology of the microcirculation. In: Pathophysiology of the Microcirculation. Ed. N. Mortillaro and A. Taylor, CRC Publishers, pp. 161-170, 1993.
73. Nakamura, T., J. P. Granger, T. Kato, and T. Sakawaki. Reduced natriuretic response to increased renal interstitial hydrostatic pressure in Dahl Salt-sensitive rats during volume expansion. Hypertension Res. 18:313-317, 1995.
74. Hall, J. E. and J. P. Granger. Role of sodium and fluid excretion in hypertension. In: Textbook of Hypertension. Ed. J.D. Swales, Blackwell Scientific Pubs., Oxford, pp. 360-387, 1994.
75. Alberola, A., F. J. Salazar, T. Nakamura, and J. P. Granger. Renal hemodynamic effects of angiotensin II (AII): Interactions with endothelium derived nitric oxide. Am. J. Physiol. 267:R1472-R1478, 1994.
76. Granger, J. P., D. West, and J. Scott. Abnormal pressure natriuresis in obesity-related hypertension. Hypertension 23:I8-I11, 1994.

77. Patel, A. R., P. J. Granger, and K. A. Kirchner. L-arginine improves transmission of perfusion pressure to the renal interstitium in Dahl-salt sensitive rats. Am. J. Physiol. 267:R1730-R1735, 1994.
78. Kato, T., S. Kassab, F. C. Wilkins, Jr., K. A. Kirchner, and J. P. Granger. Decreased sensitivity of renal tubules to elevated renal interstitial hydrostatic pressure in Dahl salt-sensitive rats. Hypertension 23(6):1082-1086, 1994.
79. Salazar, F. J., A. Alberola, T. Nakamura, M. Strong, and J. P. Granger. Post-prandial increases in renal hemodynamics in conscious dogs: Role of endothelium derived nitric oxide. Am. J. Physiol. R1050-R1055, 1994.
80. Kassab, S., S. Patterson, F. C. Wilkins, H. L. Mizelle, G. A. Reinhart, and J. P. Granger. Blunted natriuretic response to a high sodium meal in obese dogs: Role of renal nerves. Hypertension 23(6):992-996, 1994.
81. Wilkins, F. C., Jr., A. Alberola, H. L. Mizelle, T. J. Opgenorth, and J. P. Granger. Systemic hemodynamics and renal function during long-term pathophysiological increases in circulating endothelin. Am. J. Physiol. 268:R375-R381, 1995.
82. Wilkins, F. C., S. Kassab, T. Kato, T. Opgenorth, and J. P. Granger. Role of the renin-angiotensin system in mediating endothelin-induced hypertension. Am. J. Physiol. 268:R395-R402, 1995.
83. Kirchner, K., A. Patel, and J. Granger. Segmental analysis of nephron function in response to L-arginine. J. Am. Soc. Nephrol. 5:1567-1572, 1995
84. Solhaug, M. J., M. Wallace, and J. P. Granger. Nitric oxide and angiotensin II regulation of renal hemodynamics in the developing piglet. Ped. Res. 39:524-533, 1996.
85. Schnackenberg, C., B. Tabor, M. Strong, and J. P. Granger. Intrarenal NO blockade enhances renin secretion rate by a macula densa mechanism. Am. J. Physiol. 272:R879-R886, 1997.
86. Schnackenberg, C., C. Wilkins, and J. P. Granger. Role of nitric oxide in modulating the vasoconstrictor actions of angiotensin II in preglomerular and postglomerular vessels in dogs. Hypertension 26(2): 1024-1029, 1995.
87. Kato, T., S. Kassab, F. C. Wilkins, K. Kirchner, J. Keiser, and J. P. Granger. Endothelin antagonist improve renal function in spontaneously hypertensive rats. Hypertension 25(2):883-887, 1995.
88. Kassab, S., T. Kato, F. C. Wilkins, R. Chen, J. E. Hall, and J. P. Granger. Renal denervation attenuates the sodium retention and hypertension associated with obesity. Hypertension 25(2):893-897, 1995.
89. Hall, J. E., M. W. Brands, D. H. Zappe, J. P. Granger, S. Kassab, M. Alonso-Galicia, and H. Keen. Pathophysiology of obesity associated hypertension. J. Hypertens. (In Press) 1997.
90. Granger, J. P., J. Novak, C. Schnackenberg, S. Williams, and G. Reinhart. Role of renal nerves in mediating the hypertensive effects of nitric oxide synthesis inhibition. Hypertension 27(2):613-618, 1996.
91. Hall, J. E., D. H. Zappe, M. Alonso-Galicia, J. P. Granger, M. W. Brands, and S. E. Kassab. Mechanisms of obesity in hypertension. News in Physiological Sciences 11:255-261, 1996.

92. Patel, K. Kirchner, A., T. Kurashina, J. Granger. Acute NaK ATPase inhibition impairs renal hemodynamics and pressure natriuresis in rats. Hypertension 27(2):668-671, 1996.
93. Solhaug, M. J., L. Ballevre, J. P. Guignard, J. P. Granger, R.D. Adelman. Nitric oxide in the developing kidney. Pediatric Nephrology 10:529-539, 1996.
94. Kurashina, T., K. A. Kirchner, J. P. Granger, and A. R. Patel. Chronic sodium potassium ATPase inhibition with ouabain impairs renal hemodynamics and pressure natriuresis in the rat. Clinical Sci. 91:497-502, 1996.
95. Wang, D. H., Y. Du, H. Zhao, J. P. Granger, R. C. Spith, D.J. Pipette. Regulation of angiotensin type 1 receptor and its gene expression: Role in renal growth. J. Am. Soc. of Nephrology 8:193-198, 1997.
96. Schnackenberg, C. G., K. Kirchner, A. Patel, J. P. Granger. Nitric oxide, the kidney, and hypertension Clinical and Experimental Physiology and Pharmacology 24:600-606,1997.
97. Granger J. P. and L. G. Navar. Endothelial control of renal vascular and tubular interactions Clinical and Experimental Physiology and Pharmacology 24:557,1997.
98. Carroll, J. F., H. L. Mizelle, K. Cockrell, J. F. Reckelhoff, B. R. Clower, and J. P. Granger. Cholesterol feeding does not alter renal hemodynamic response to acetylcholine and angiotensin II in rabbits. Am. J. Physiol. 272:R940-R947, 1997.
99. Schnackenberg, C. G. and J. P. Granger. Voltage-gated calcium channel blockade attenuates the preglomerular response to angiotensin II during nitric oxide synthesis inhibition. Am. J. Physiol. 272:R1670-1676, 1997.
100. Schnackenberg, C. G., B. Tucker, K. Pigg, and J. P. Granger. Role of nitric oxide in modulating the chronic renal and arterial pressure responses to angiotensin II. Am. J. Hypertension. 10:226-229, 1997.
101. Kassab, S., T. Kato, C. Wilkins, L. Mizelle, and J. P. Granger. Role of renal nerves in mediating the blunted natriuretic response to acute saline load in obese dogs. Am. J. Hypertension. 10:315-322, 1997.
102. Granger, J. P., C. G. Schnackenberg, J. Novak, B. Tucker, T. Miller, S. Morgan, and S. E. Kassab. Role of nitric oxide in modulating the long-term renal and hypertensive action of norepinephrine. Hypertension 29(2):205-209, 1997.
103. Novak, J., J. F. Reckelhoff, L. Bumgarner, K. Cockrell, S. E. Kassab, and J. P. Granger. Role of nitric oxide in mediating the reduced sensitivity of the renal circulation to angiotensin II in pregnant rats. Hypertension. 30(3):580-584, 1997.
104. Kurashina, T., A. R. Patel, J. P. Granger, and K. A. Kirchner. Renal pressure-natriuresis and autoregulation in response to adrenomedullin in the spontaneously hypertensive rat. Hypertension. 30(3):660-663, 1997.
105. Reckelhoff, J. F., H. Zhang, and J. P. Granger. Role of androgens in protection of renal hemodynamics in aging SHR. Hypertension. 30(3):667-681, 1997.
106. Kassab, S., J. Novak, T. Miller, K. A. Kirchner, and J. Granger. Cardiovascular and renal actions of endothelin receptor antagonism in Dahl salt-sensitive hypertension. Hypertension 30(3):682-686 1997.

107. Hennington, B. S., H. Zhang, M. T. Miller, J. P. Granger, and J. F. Reckelhoff. Angiotensin II stimulates synthesis of endothelial nitric oxide synthase. Hypertension 30(2): 283-288, 1998.
108. Reckelhoff, J. F., H. Zhang, and J. P. Granger. Testosterone exacerbates hypertension and reduces pressure-natriuresis in male SHR. Hypertension 30(2): 435-439, 1998.
109. Kassab, S., M. T. Miller, J. Novak, J. F. Reckelhoff, B. Clower, and J. P. Granger. Endothelin-A receptor antagonism attenuates the hypertension and renal injury in Dahl salt-sensitive rats. Hypertension 30(1):397-402 1998.
110. Kassab, S., T. Miller, J. Novak, J. F. Reckelhoff, R. L. Hester, and J. P. Granger. Systemic hemodynamics and regional blood flows during chronic nitric oxide synthesis inhibition in pregnancy. Hypertension 30(1): 315-320, 1998.
111. Nakamura, T., F. J. Salazar, A. Alberola, and J. P. Granger. Effect of renal perfusion pressure on renal interstitial hydrostatic pressure and Na excretion: Role of endothelium-derived nitric oxide Nephron 78: 104-111, 1998.
112. Khalil, R. A., J. K. Crews, J. Novak, S. Kassab, and J. P. Granger. Enhanced vascular reactivity during inhibition of nitric oxide synthesis in pregnant rats. Hypertension 31:1065-1069, 1998.
113. Granger, J. P. Regulation of extracellular fluid volume via integrated control of sodium excretion. Am. J. Physiol.:(Advances in Physiology Education). 275(6):S157-S168, 1998.
114. Brands, M. W. and J. P. Granger. Control of renal function and arterial pressure by angiotensin II: Implications for diabetic glomerular injury. Mineral and Electrolyte Metabolism. 24:371-380, 1998.
115. Granger, J. P., S. Kassab, J. Novak, B. Tucker, and J. Reckelhoff. Role of nitric oxide in mediating the renal and cardiovascular responses to chronic aldosterone excess. Am. J. Physiol. 276:R189-R196, 1999.
116. Reckelhoff, J. F. and J. P. Granger. Role of androgens in mediating hypertension and renal injury. Clinical and Experimental Physiology and Pharmacology. 26:127-131, 1999.
117. Alexander, B. T., J. F. Reckelhoff, S. Kassab, and J. P. Granger. Differential expression of renal nitric oxide synthase isoforms during pregnancy in rats. Hypertension. 33(2):435-439, 1999.
118. Kassab, S., B. T. Alexander, M. T. Miller, J. F. Reckelhoff, and J. P. Granger. Bilateral renal function responses to chronic endothelin-a receptor antagonism in two-kidney, one-clip Goldblatt hypertensive rats. Hypertension 1998.
119. Kanashiro, C. A., B. T. Alexander, J. P. Granger, and R. A. Khalil. Calcium-insensitive vascular protein kinase C during pregnancy and NOS inhibition Hypertension 34: 924-930, 1999.
120. Reckelhoff, J. F., H. Zhang, K. Srivastava, and J. P. Granger. Gender differences in hypertension in spontaneously hypertensive rats: Role of androgens and androgen receptor. Hypertension 34:920-923, 1999.
121. Crews, J. K., J. Novak, J. P. Granger, and R. A. Khalil. Stimulated mechanisms of Ca<sup>2+</sup> entry into vascular smooth muscle during inhibition of nitric oxide synthesis in pregnant rats. Am. J. Physiol. 276:R530-R538, 1999.



122. Granger, J. P. and B. T. Alexander. Pathophysiology of pregnancy-induced hypertension. Current Concepts in Hypertension 3(4):5-6, 1999.
123. Jones, D. and J. P. Granger. Sodium and Blood Pressure. CHBPR Newsletter 1(1) :23-25, 1999.
124. Crews, J. K., J. N. Herrington, J. P. Granger, and R. A. Khalil. Decreased endothelium-dependent vascular relaxation during reduction of uterine perfusion pressure in pregnant rats. Hypertension 35: 71-76, 2000.
125. Granger, J. P. and B. T. Alexander. Abnormal pressure natriuresis in hypertension: Role of nitric oxide. Acta Physiologica Scandinavia. 168 (1):161-168, 2000.
126. Kanashiro, C. A., K. L. Cockrell, B. T. Alexander, J. P. Granger, and R. A. Khalil. Pregnancy-associated reduction in vascular protein kinase C activity rebounds during inhibition of NO synthesis. Am. J. Physiol. 278:R81-R89, 2000.
127. Bennett, W. A, D. A. Terrone, B. K. Rinehart, S. Kassab, J. N. Martin, Jr., and J. P. Granger. Intrauterine endotoxin infusion in rat pregnancy induces preterm delivery and increases placental prostaglandin F2 alpha metabolite levels. Am. J. Obstet. Gynecol. 182(6):1496-1501, 2000.
128. Granger, J. P. and C. Schnackenburg. Renal mechanisms of Angiotensin II-Induced Hypertension. Seminars in Nephrology 20(5)417-425,2000.
129. Terrone, D. A., B. K. Rinehart, P. S. Barrilleaux, J. N. Martin, Jr., J. P. Granger, and W. A. Bennett. Interleukin-10 administration prevents infection mediated preterm birth in a rat model. Am. J. Obstet. Gynecol. 98(3):476-80, 2001
130. Alexander, B. T., S. E. Kassab, M. T. Miller, S. R. Abram, J. F. Reckelhoff, W. A. Bennett, and J. P. Granger. Reduced uterine perfusion pressure during pregnancy in the rat is associated with increases in arterial pressure and changes in renal nitric oxide. Hypertension. 37: 1191-1195,2001.
131. Alexander, B. T., K. L. Cockrell, J. N. Herrington, and J. P. Granger. Enhanced renal expression of preproendothelin mRNA during chronic angiotensin II hypertension. Am. J. Physiol. 280:R1388-R1392, 2001.
132. Abram, S. R., B. T. Alexander, K. L. Cockrell, J. N. Herrington, and J. P. Granger. Role of neuronal nitric oxide synthase (nNOS) in mediating renal hemodynamic changes during pregnancy. Am. J. Physiol. 281:R1390-R1393, 2001.
133. Alexander, B. T., W. A. Bennett, R. A. Khalil, and J. P. Granger. Pathophysiology of pregnancy-induced hypertension. News In Physiological Sciences 16:282-286, 2001.
134. Alexander, B. T., A. N. Rinewalt, K. L. Cockrell, W. A. Bennett, and J. P. Granger. Endothelin-A receptor blockade attenuates the hypertension in response to chronic reductions in uterine perfusion pressure. Hypertension. 37:485-489, 2001.
135. Granger, J. P, B. T. Alexander, W. A. Bennett, and R. A. Khalil. Pathophysiology of pregnancy-induced hypertension. Microcirculation. 9:147-160, 2002.

136. Granger, J. P, B. T. Alexander., W. A. Bennett, and R. A. Khalil. Pathophysiology of pregnancy-induced hypertension. Am. J. Hypertension. 14(6):S178-S185, 2001.
137. Murphy, J. G., J. B. Fleming, K. L. Cockrell, J. P. Granger, and R. A. Khalil.  $[Ca^{2+}]_i$  signaling in renal arterial smooth muscle cells of pregnant rat is enhanced during inhibition of NO synthesis. Am. J. Physiol. Regul. Integr. Comp. Physiol. 280:R87-R99, 2001.
138. Giardina, J. B., G. M. Green, A. N. Rinewalt, J. P. Granger, and R. A. Khalil. Role of endothelin B receptors in enhancing endothelium-dependent NO-mediated vascular relaxation during high salt diet. Hypertension 37(2):, 516-523, 2001.
139. Klett C. P. R. and J. P. Granger. Physiological elevation in plasma angiotensinogen increases blood pressure. Am. J. Physiol. 281:R1437-R1441, 2001.
140. Alexander, B.T., K. L. Cockrell, M. Sedeek, and J. P. Granger. Role of the renin-angiotensin system in mediating the hypertension produced by chronic reductions in uterine perfusion pressure in the pregnant rat. Hypertension. 38(3Pt2):742-745, 2001.
141. Alexander, B.T., Massey, M.B., Cockrell K.L., Bennett, W.A., and Granger, J. P. Elevations in plasma TNF in pregnant rats decreases renal nNOS and iNOS and results in hypertension. Am. J. Hypertension. 15(2): 170-175, 2002
142. Barron L. A., J. B. Giardina, J. P. Granger, and R. A. Khalil. High salt diet enhances vascular reactivity in pregnant rats with normal and reduced uterine perfusion pressure. Hypertension. 38(3Pt2):730-5, 2001.
143. Granger JP, Alexander BT, Llinas MT, Bennett WA, Khalil RA. Pathophysiology of hypertension during preeclampsia: Linking placental ischemia with endothelial dysfunction. Hypertension. Sep;38(3 Pt 2):718-22, 2001
144. Llinas, M.T., B. T. Alexander, S. R. Abram, M. Sedeek, and J. P. Granger. Enhanced production of thromboxane A2 in response to chronic reductions in uterine perfusion pressure in pregnant rats. Am J Hypertens. 15(9):793-7, 2002
145. Alexander, B. T., K. L. Cockrell, F. D. Cline, and J. P. Granger. Inducible nitric oxide synthase inhibition attenuates renal hemodynamics during normal pregnancy. Hypertension. 39(2) 586-590, 2002
146. Giardina, J. B., K. Cockrell, J. P. Granger, and R. A. Khalil. Low-salt diet enhances vascular reactivity  $[Ca^{2+}]$  entry in pregnant rats with normal and reduced uterine perfusion pressure. Hypertension. 39(2): 368-374, 2002.
147. Granger, J. P., B.T. Alexander, and Mytae Llinas . Mechanisms of Pressure Natriuresis. Current Hypertension Reports 4(2): 152-159, 2002
148. Kassab S, Hamdy H, AbdulGhaffar T, Granger JP. Effects of endothelin-A receptor antagonism on bilateral renal function in renovascular hypertensive rats. Fundam Clin Pharmacol 15(6):379-85, 2001

149. Davis JR, Giardina JB, Green GM, Alexander BT, Granger JP, Khalil RA. Reduced endothelial NO-cGMP vascular relaxation pathway during TNF-alpha-induced hypertension in pregnant rats. *Am J Physiol Regul Integr Comp Physiol*. 282(2):R390-R399, 2002
150. Granger JP. Maternal and fetal adaptations during pregnancy: lessons in regulatory and integrative physiology. *Am J Physiol Regul Integr Comp Physiol*. 283(6):R1289-92, 2002
- 151.. Murphy JG, Herrington JN, Granger JP, Khalil RA. Enhanced  $[Ca^{2+}]_i$  in renal arterial smooth muscle cells of pregnant rats with reduced uterine perfusion pressure. *Am J Physiol Heart Circ Physiol*.; 284(1):H393-403, 2002
152. Smith L, Payne JA, Sedeek MH, Granger JP, Khalil RA. Endothelin-induced increases in  $Ca^{2+}$  entry mechanisms of vascular contraction are enhanced during high-salt diet. *Hypertension*., 41(3 Pt 2):787-93, 2003
153. Kang DH, Nakagawa T, Finch J, Kanellis J, Watanabe S, Mazzali M, Granger JP, Johnson RJ. Uric acid, endothelial dysfunction and pre-eclampsia: searching for a pathogenetic link. *J Hypertens*, 22(2): 229-35, 2004
154. Alexander BT, M T Llinas, WC Kruckeberg, JP Granger. L-arginine attenuates hypertension in pregnant rats with reduced uterine perfusion pressure. *Hypertension*, 43: 832 – 836, 2003
155. Granger JP. Endothelin. *Am J Physiol Regul Integr Comp Physiol*. 285(2):R298-301, 2003
156. Isler CM, Bennett WA, Rinewalt AN, Cockrell KL, Martin JN, Morrison JC, Granger JP. Evaluation of a rat model of preeclampsia for HELLP syndrome characteristics. *J Soc Gynecol Investig*. 10(3):151-3, 2003
157. Sedeek, M., B. T. Alexander, S. R. Abram, and J. P. Granger. Role of oxidative stress in endothelin-induced hypertension in rats. *Hypertension* 42: 806-810, 2003
158. Llinas MT, B. T. Alexander, M. Capparelli, M. A. Carroll, Joey P. Granger. Cytochrome P-450 Inhibition Attenuates Hypertension Induced by Reductions in Uterine Perfusion Pressure in Pregnant Rats. *Hypertension*, 43: 623 – 628, 2004
159. Granger, JP. Inflammatory cytokines, vascular function, and hypertension. *Am J Physiol Regulatory Integrative Comp Physiol*, 286: 989 – 990, 2004
160. C.P.R. Klett, D. Anderson, M.M. Sholook and J.P. Granger. Antisense inhibition of a polysomal protein reduces blood pressure in spontaneously hypertensive rats. *Am J Physiol Regul Integr Comp Physiol*. 287(3):R619-26, 2004
161. Hall, JE and Granger JP. Regulation of fluid and electrolyte balance in hypertension-role of hormones and peptides. In : *Hypertension: Principles and Practice*. Ed. Battegay, Lip, and Bakris, pp121-142, 2005
162. LaMarca B.B., G. Gadonski, K. Cockrell, E. Sullivan and J.P. Granger. Endothelin type A receptor blockade attenuates TNF alpha-induced hypertension in pregnant rats. *Hypertension* 46:1-5, 2005

163. Rodts-Palenik S, Wyatt-Ashmead J, Pang Y, Thipgen BD, Cai Z, Rhodes P, Martin JN, Jr., Granger J, Bennett WA. Maternal infection-induced white matter injury is reduced by treatment with interleukin-10. *Am J Obstet Gynecol.* 2004; 191:1387-1392.
164. Lamarca BB, Bennett WA, Alexander BT, Cockrell K, Granger JP. Hypertension Produced by Reductions in Uterine Perfusion in the Pregnant Rat. Role of Tumor Necrosis Factor- $\alpha$  Hypertension. *Oct;46(4):1022-5, 2005*
165. Reckelhoff JF, Yanes LL, Iiescu R, Fortepiani LA, Granger JP Testosterone supplementation in aging men and women: possible impact on cardiovascular-renal disease. *Am J Physiol Renal Physiol* 289: F941-F948, 2005
166. Roberts LK, B B LaMarca, L. Fournier, J. Bain, K.Cockrell, J. P Granger. Angiotensin Type 1 Receptor Activation Mediates Endothelin Production. Induced by Serum From Pregnant Rats Exposed to Chronic Reductions in Uterine Perfusion. *Hypertension.* 2006 Mar;47(3):615-8
167. Granger J. P. An Emerging Role for Inflammatory Cytokines in Hypertension. *Am J Physiol Heart and Circ. Physiol.* Mar;290(3):H923-4.2006
168. Granger JP, B. B. D. LaMarca, K. Cockrell, M. Sedeek, C Balzi, D Chandler and W Bennett. Reduced Uterine Perfusion Pressure (RUPP) Model for Studying Cardiovascular-Renal Dysfunction in Response to Placental Ischemia. : *Methods Mol Med.* 122:383-92, 2006
169. Granger JP, Abram S, Stec D, Chandler D, LaMarca B. Endothelin, the kidney, and hypertension. *Curr Hypertens Rep.* 2006 Aug;8(4):298-303
170. Joyner J., Neves AAA, Granger JP, Alexander BT, Merrill BT, Chappell M, Ferrario C, Davis MP, Brosnihan MB Temporal-spatial expression of angiotensin-(1-7) and angiotensin converting enzyme 2 in the kidney of normal and hypertensive pregnant rats. *Am J Physiol Regul Integr Comp Physiol* 293(1):R169-77 2007
171. Gadonski G, Lamarca BB, Sullivan E, Bennett W, Chandler D, Granger JP. Hypertension produced by reductions in uterine perfusion in the pregnant rat: role of interleukin 6. *Hypertension.* 2006 Oct;48(4):711-6, 2006
172. Gilbert J, Dukes M., LaMarca BB, Cockrell K. , Granger J.P. Effects of Reduced Uterine Perfusion Pressure on Blood Pressure and Metabolic Factors in Pregnant Rats. *Am J. Hypertension* 20(6):686-691. 2007
173. LaMarca BB, Ryan MJ, Granger JP. Pathophysiology of Hypertension during Preeclampsia: Role of Inflammatory Cytokines. *Current Hypertension Reviews* 3(1):69-74, 2007
174. Granger, J.P. and J. E. Hall. Role of the Kidney Sodium and Fluid Excretion in Hypertension. . In: *Comprehensive Hypertension.* Eds. Lip, G.Y.P. and J.E. Hall. Elsevier, New York, N.Y. 2007, pp241-263

175. Granger JP. Response to Modeling Preeclampsia: The True Model for the Uniquely Human Disease Preeclampsia Is the Human Female Not the Pregnant Rat. *Hypertension*. 2007 Feb 26; PMID: 17325242
176. Hall, J. E., J.P. Granger, M.E. Hall, and D.W. Jones. Pathophysiology of hypertension. In: *Hurst's The Heart*, 12<sup>th</sup> ed. Eds. V. Fuster, R.A. O'Rourke, R.A. Walsh, P.A. Poole-Wilson. McGraw-Hill Medical, New York, 2007. pp. 1570-1608.
177. Jernigan NK, LaMarca BB, Speed J, Galmiche L., JP. Granger, HA. Drummond. Dietary salt enhances benzamil sensitive component of myogenic constriction in mesenteric arteries. *Am J Physiol Heart Circ Physiol* 294: H409–H420, 2008.
178. Gilbert JS, SA Babcock, BB LaMarca, and JP Granger. Hypertension produced by reduced uterine perfusion in pregnant rats is associated with increased soluble flt-1 expression. *Hypertension* 2007 Dec;50(6):1142-7
179. Sholook MM, Gilbert JS, Sedeek MH, Huang M, Hester R & Granger, JP Systemic hemodynamic and regional blood flow changes in response to chronic reductions in uterine perfusion pressure in pregnant rats *Am J Physiol Heart Circ Physiol*. 2007 Oct;293(4):H2080-4.
180. Lamarca BD, Ryan MJ, Gilbert JS, Murphy SR, Granger JP. Inflammatory Cytokines in the Pathophysiology of Hypertension during Preeclampsia. *Curr Hypertens Rep*. 2007 Dec;9(6):480-485.
181. Gilbert, B LaMarca, M Ryan, S. Murphy, and J P. Granger. Pathophysiology of Hypertension during Preeclampsia: Linking Placental Ischemia with Endothelial Dysfunction. *Am J Physiol Heart Circ Physiol* 294: H541–H550, 2008.
182. Lamarca BB, Chandler DL, Grubbs L, Bain J, McLemore GR Jr, Granger JP, Ryan MJ. Role of sex steroids in modulating tumor necrosis factor alpha-induced changes in vascular function and blood pressure. *Am J Hypertens*. 2007 Nov;20(11):1216-21.
183. LaMarca B.B., B.T. Alexander, J.S. Gilbert, M. J. Ryan, M. Sedeek, S.R. Murphy, and J. P. Granger. Pathophysiology of Hypertension in Response to Placental Ischemia during Pregnancy: A Central Role for Endothelin? *Gend Med*. 2008;5 Suppl A:S133-8, PMC2776712
184. Sedeek M., J.S. Gilbert, B.B LaMarca, M. Sholook, D.L Chandler and J.P. Granger. Role of reactive oxygen species in hypertension produced by reduced uterine perfusion in pregnant rats. *Am J Hypertens*. Oct;21(10):1152-6, 2008. PMC2786058
185. LaMarca BB, J Speed, L Fournier, S Babcock, H Berry, K Cockrell, and JP Granger. Hypertension in response to chronic reductions in uterine perfusion in pregnant rats: Effect of TNF alpha blockade. *Hypertension* . 2008 Dec;52(6):1161-7. PMC2788766
186. LaMarca BB, G Wallukat, M Llinas, F Herse, R Dechend, JP Granger Elevated agonistic autoantibodies to the angiotensin type 1 (AT1-AA) receptor in response to placental ischemia and TNF alpha in pregnant rats. *Hypertension* 2008 Dec;52(6):1168-72. PMC2782765

187. LaMarca BB, J Gilbert, JP Granger. Recent Progress Toward the Understanding of the Pathophysiology of Hypertension During Preeclampsia *Hypertension* 2008 Apr;51(4):982-8. PMC2782443
188. Gilbert JS, La Marca BB, Granger JP. ACE2 and Ang-(1-7) in the gravid uterus: The new players on the block. *Am J Physiol Regul Integr Comp Physiol* 294: R915–R916, 2008
189. Hall JE, Granger JP, Reckelhoff JF, Sandberg K. Hypertension and cardiovascular disease in women. *Hypertension*. 2008 Apr;51(4):951.
190. Gilbert JS, SA Gilbert, M. Arany, and J.P. Granger Hypertension Produced by Placental Ischemia in Pregnant Rats Is Associated With Increased Soluble Endoglin Expression . *Hypertension*. 2009 Feb;53(2):399-403, PMC2692089
191. Bridges JP, J S. Gilbert,, D.Colson, S.A. Gilbert, M. P. Dukes, M.J. Ryan and J P. Granger Oxidative Stress Contributes to Soluble Fms-LikeTyrosine Kinase-1 Induced Vascular Dysfunction in Pregnant Rats. *Am. J. Hypertension* 2009; 22(5): 564-8. PMC2786056
192. Keiser SD, E.W. Veillon, MR. Parrish,; W. Bennett, K. Cockrell; L Fournier; J. P. Granger, J N Martin Jr;B. Lamarca. Effects of 17-hydroxyprogesterone on tumor necrosis factor-alpha-induced hypertension during pregnancy. *American Journal of Obstetrics & Gynecology*. PMC2810643
193. Veillon E. Jr., . Keiser S, Parrish M, Bennett, K Cockrell, L. Fournier, JP Granger, JN Martin Jr., B. Lamarca. 17 oh progesterone blunts the hypertensive response associated with reductions in uterine perfusion pressure in pregnant rats. *Am J Obstet Gynecol*. 2009 Sep;201(3):324.e1-324.e6, PMC2810642
194. Jernigan NL , J Speed, B LaMarca, J P. Granger and HA. Drummond. Angiotensin II regulation of renal vascular ENaC proteins. *Am. J. Hypertension* 2009 Jun;22(6):593-7, PMC2739796
195. Hall, ME ,JE Hall, JP Granger, DW Jones. Systemic Hypertension: Pathogenesis and Etiology. In *Hurst's The Heart: Manual of Cardiology*. Eds. O' Rourke, RA, RA Walsh, V Fuster. The McGraw – Hill Companies, Inc Ed P. 12<sup>th</sup> edition. 2009. pp339-350
196. Vera T., JP. Granger, DE. Stec. Inhibition Of Bilirubin Metabolism Induces Moderate hyperbilirubinemia And Attenuates Angiotensin-II Dependenthypertension In Mice. *Am J Physiol Regul Integr Comp Physiol*. 2009 Sep;297(3):R738-43. PMC2739796
197. Granger, J.P. VEGF inhibitors and Hypertension: A central role for the kidney and endothelial factors? *Hypertension*. 2009 Sep;54(3):465-7. PMC2759752
198. Chandler,DL, MT Ilinas, JF Reckelhoff, B Lamarca, J Speed, and JP Granger. Effects of hyperhomocysteinemia on arterial pressure and nitric oxide production in pregnant rats *Am. J. Hypertension* *Am J Hypertens*. 2009 Oct;22(10):1115-9. NIHMS167742
199. Gutkowska J, JP Granger, BB, B Danalache B, Wang D, Jankowski M Cardiac Dysfunction In Response To Hypertension Produced By Placental Ischemia In Pregnant Rats: Role Of Tumor Necrosis Factor. *Journal Of Hypertension* 27 : S181-S181,2011

200. Murphy SR, BB LaMarca, K Cockrell, JP Granger. Soluble fms-Like Tyrosine-1 Induced Hypertension: Role of Endothelin. *Hypertension* 2010 Feb;55(2):394-8. NIHMS172853
201. Gilbert JS, Verzwylvelt JD, D Colson, M Arany, M J Ryan, and J P Granger. Vascular Endothelial Growth Factor Improves Renal and Endothelial Function, and Normalizes Blood Pressure in Hypertensive Pregnant Rats. *Hypertension* 2010 Feb;55(2):380-5. NIHMS172854
202. Parrish MR, Murphy SR, Rutland S, Wallace K, Wenzel K, Wallukat G, Keiser S, Ray LF, Dechend R, Martin JN, Granger JP, Lamarca B. The Effect of Immune Factors, Tumor Necrosis Factor- $\alpha$ , and Agonistic Autoantibodies to the Angiotensin II Type I Receptor on Soluble fms-Like Tyrosine-1 and Soluble Endoglin Production in Response to Hypertension During Pregnancy. *Am J Hypertens.* 2010 Aug;23(8):911-6.
203. George EM and Joey P. Granger. Recent Insights into the Pathophysiology of Preeclampsia. *Current Concepts in OB/GYN* September 2010, 5 (5)557-566. PMC3001629
204. Tam Tam K, Lamarca BBD, Arany M, Cockrell K, Fournier L., Murphy S, Martin Jr. JN., Granger JP. Role Of Reactive Oxygen Species During Hypertension In Response To Chronic Anti-Angiogenic Factor (sFlt-1) Excess In Pregnant Rats. *Am J Hypertens.* 2011 Jan;24(1):110-3. PMC3129783
205. Sieck G., Wagner P, and Granger JP. Promoting a Central Role for Physiology in Research and Education Worldwide. *Physiology* December 2010 25:332-333
206. Hall JE, JP Granger, DW Jones, ME Hall. Pathophysiology of Hypertension. In *Hurst's The Heart.* Eds., RA Walsh, V Fuster, R. Harrington. The McGraw – Hill Companies, Inc Ed P. 13<sup>th</sup> edition. 2010. Pp 1549-1584
207. George EM, Cockrell K, Adair TH, Granger JP. Regulation of sFlt-1 and VEGF secretion by adenosine under hypoxic conditions in rat placental villous explants. *Am J Physiol Regul Integr Comp Physiol.* 2010 Dec;299(6):R1629-33. PMC3007189
208. Granger JP. 84th President of APS Joey P. Granger. *Physiologist.* 2011 Apr;54(2):41, 45-9.
209. LaMarca B., Wallace K., J.P. Granger. Role of angiotensin II type I receptor agonistic autoantibodies (AT1-AA) in preeclampsia. *Current Opinion in Pharmacology* 2011, Apr; 11(2): 175-179. PMC3075337
210. George EM, K Cockrell, M Arany, E Csongradi, DE Stec, and JP Granger. Induction of Heme Oxygenase-1 Attenuates Placental-Ischemia Induced Hypertension. *Hypertension* May 2011; 57: 941 – 948 NIHMS282557
211. Tam Tam K, E. George, K Cockrell, M Arany, J Speed, J N Martin, BB Lamarca, J P Granger. Endothelin type-a receptor antagonist attenuates placental ischemia induced Hypertension and uterine vascular resistance. *American Journal of Obstetrics and Gynecology* 2011 Apr;204(4):330.e1-4. PMC3072697
212. Granger JP, and Lamarca B. Response to: "AT1-receptor autoantibody: a true causal factor of preeclampsia or only a marker of poor placentation?" *Am J Hypertension* 2011 Apr;24(4):376-377

213. Gutkowska J, Granger JP, Lamarca BB, Danalache BA, Wang D, Jankowski M. Changes in cardiac structure in hypertension produced by placental ischemia in pregnant rats: effect of tumor necrosis factor blockade. *J Hypertens*. 2011 Jun; 29(6):1203-12
214. George EM and JP Granger VEGF: a possible therapeutic for the treatment of preeclampsia? *Current Concepts in OB/GYN* 6(3), 255-257 (2011).
215. George EM and JP Granger. Endothelin: A key mediator of hypertension in preeclampsia? *Am J Hypertens*. Sep 2011; 24(9): 964-9.
216. George EM and JP Granger. Vascular Mechanisms of Hypertension in the Pathophysiology of Preeclampsia. In Hill, J.A., Griendling, K., and Olson, E.N. (Eds.), *Muscle: Fundamental Biology and Mechanisms and Disease*. Elsevier. Ch101. pp 1329-1337.
217. LaMarca BB, J Speed, L Ray, K Cockrell, AS 1, G Wallukat, R Dechend, J Granger. Hypertension in response to IL-6 during pregnancy: role of AT1-receptor activation. *International Journal of Interferon, Cytokine and Mediator Research* Nov 2011. 3:65-70.
218. Hall JE, JP. Granger, J do Carmo, A A. da Silva, J Dubinon, E George, S Hamza, J Speed, and ME. Hall. Hypertension: Physiology and Pathophysiology. *Comprehensive Physiology*. Volume 2, Issue 4, October 2012
219. Murphy SR, BB LaMarca, K Cockrell, and J P Granger. Regulation of Soluble fms-like tyrosine kinase-1 (sFlt-1) production in response to placental ischemia/ hypoxia: Role of Angiotensin II (ANGII) Hypertension 2011 (In Review)
220. Murphy SR, BB LaMarca, K Cockrell, M Arany, and J P Granger. L-Arginine Supplementation Abolishes the Blood Pressure and Endothelin Response to Chronic Increases in Plasma sFlt-1 in Pregnant Rats 2011 *Am J Physiol Regul Integr Comp Physiol*. 2012 Jan;302(2):R259-63.
221. George EM, M Arany, K Cockrell, DE Stec, and JP Granger Induction of Heme Oxygenase-1 Attenuates sFlt-1-Induced Gestational Hypertension. *Am J Physiol Regul Integr Comp Physiol*. 2011 Nov;301(5):R1495-500.
222. Speed JS, Lamarca B, Berry H, Cockrell K, George EM, Granger JP. Renal Medullary Endothelin-1 is Decreased in Dahl Salt Sensitive Rats. *Am J Physiol Regul Integr Comp Physiol*. 2011 Aug; 301(2):R519-23.
223. George E.M and J.P. Granger. Mechanisms and Potential Therapies for Preeclampsia. *Current Hypertension Reports* 2011 Aug; 13(4):269-75.
224. Ryan MJ, EL Gilbert, PH Glover, EM George, C W Masterson, GR. McLemore Jr. , BB LaMarca, JP Granger, HA Drummond. Placental Ischemia Impairs Middle Cerebral Artery Myogenic Responses in the Pregnant Rat. *Hypertension*. 2011 Dec;58(6):1126-31.
225. The Heart during Pregnancy. Hall ME, E.M. George, and J.P. Granger. *Rev Esp Cardiology*. Nov 2011; 64(11): 1045-50
226. Stec DE, P A. Hosick, and JP .Granger. Bilirubin, Renal Hemodynamics and Blood Pressure. *Frontiers in Pharmacology*. Jan 2012; 3: 18-25



227. George EM, D Colson, J Dixon, AC Palei , and JP Granger Heme Oxygenase-1 Attenuates Hypoxia-Induced sFlt-1 and Oxidative Stress in Placental Villi Through Its Metabolic Products CO and Bilirubin. *International J. Hypertension*. Jan 2012; 2012: 486053
228. Barman SM, Granger JP, Wagner PD. Physiologists without borders. *Physiology*. 2011 Dec;26(6):378.
229. Speed JS, George EM, Arany M, Cockrell K, Granger JP. Role of 20-hydroxyeicosatetraenoic acid in mediating hypertension in response to chronic renal medullary endothelin type B receptor blockade. *PLoS One*. 2011;6(10):e26063.
230. George EM and J P Granger. Linking Placental Ischemia and Hypertension in Preeclampsia: Role of Endothelin 1. *Hypertension*. 2012 Aug;60(2):507-11.
231. George EM, AC Palei, and JP Granger. Endothelin as a final common pathway in the pathophysiology of preeclampsia: therapeutic implications. *Curr Opin Nephrol Hypertens*, Mar 2012; 21(2): 157-62
232. Granger, JP, Barman S, Barrett, K., Promoting physiology as an essential element in translational research. *Physiology*. December 2012 27:326;
233. George EM and JP Granger. Heme Oxygenase in Pregnancy and Preeclampsia. *Curr Opin Nephrol Hypertens*, 2013 Mar;22(2):156-62.
234. Hall JE, JP Granger, and ME Hall Physiology and Pathophysiology of Hypertension. In Seldin and Geibisch's *The Kidney: Physiology and Pathophysiology*. 5<sup>th</sup> Edition. RJ Alpern, OW Moe, M Caplan (Eds). Elsevier Chapter 39. pp1315-1348.
235. Murphy SR, BB LaMarca, S Keiser, M Parrish, K Cockrell, and J P. Granger Control of Soluble fms-like tyrosine-1 (sFlt-1) production in response to placental ischemia/hypoxia: Role of tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ) *Am J Physiol Regulatory Integrative Comp Physiol*, Jan 2013; 304: R130 - R135.
236. Granger JP and George EM. (2012). Role of the Kidneys in Hypertension. In Schrier RW, Coffman TM, Falk RJ, Molitoris BA, and Neilson EG. (Eds.), *Schrier's Diseases of the Kidney*, 9<sup>th</sup> ed. Lippincott Williams & Wilkins.
237. Barrett K, S Barman S, and JP Granger. Physiology in the United States. *Physiology News*. 91: 17-39, 2013
238. George EM, PA Hosick, DE Stec, and JP Granger. Heme oxygenase Inhibition Increases Blood Pressure in Pregnant Rats. *Am J Hypertens*. 2013 Jul;26(7):924-30 PMID: 23553216
239. Palei, AC, FT Spradley, and JP. Granger Euglycemic Hyperinsulinemia Increases Blood Pressure in Pregnant Rats Independent of Placental Antiangiogenic and Inflammatory Factors. *Am J Hypertension* Aug 2013; 10.1093/ajh/hpt137.
240. Palei AC, JP Granger, JETanus-Santos. Matrix metalloproteinases as drug targets in preeclampsia. *Current Drug Targets*. 2013 Mar;14(3):325-34.

241. Sieck G., JP Granger, V Miller, JF Reckelhoff, T Wang, and H. Carey. Physiology's impact: Discovering life. *Physiology* 28: 4-6, 2013
242. Palei AC, FT Spradley, JP Warrington, EM. George and JP. Granger Pathophysiology of Hypertension in Preeclampsia: A Lesson in Integrative Physiology. *Acta Physiol (Oxf)*. 2013 Jul;208(3):224-33. doi: 10.1111/apha.12106. Epub 2013 May 7. PMID:23590594
243. Warrington JP, George EM, Palei AC, Spradley FT, Granger JP. Recent Advances in the Understanding of the Pathophysiology of Preeclampsia. *Hypertension*. 2013 Jul 29 PMID:2389706
244. Spradley FT., AC. Palei, JP. Granger. Obese melanocortin-4 receptor-deficient rats exhibit augmented angiogenic balance and vasorelaxation during pregnancy. *Physiol Rep*, 1 (4), 2013, e00081, PMID 24159378
245. Roberts JM, P.A. August, G. Bakris, J.R. Barton, I. M. Bernstein, M. Druzin, R. R. Gaiser, J.P. Granger, A. Jeyabalan, D. D. Johnson, S.A. Karumanchi, M. Lindheimer, M. Y. Owens, G. R. Saade, B. M. Sibai, C. Y. Spong, E. Tsigas Hypertension in Pregnancy: Executive Summary. *Obstetrics & Gynecology* . 122(5):1122–1131, November 2013
246. George EM, Palei AC, Dent EA, Granger JP. Sildenafil attenuates placental ischemia-induced hypertension. *Am J Physiol Regul Integr Comp Physiol*. 2013 Aug 15;305(4):R397-403 PMID: 23785075
247. George EM, MR Garrett, and JP Granger Placental Ischemia Induces Changes in Gene Expression in Chorionic Tissue. *Mammalian Genome*. 2014 Jun;25(5-6):253-61. PMID:24668059
248. Hosick PA, EK. Ahmed, MU. Gousset, JP. Granger, and DE. Stec Inhalation of carbon monoxide is ineffective as a long-term therapy to reduce obesity in mice fed a high fat diet. *BMC Obesity* 2014, 1:6
249. George EM and Granger JP (2014). Animal Models of Preeclampsia. In Lindheimer MD, Roberts JM, and Cunningham FG (Eds.), *Chesley's Hypertensive Disorders of Pregnancy*, 4<sup>th</sup> Edition. 2014
250. Warrington J., K. Coleman, C. Skaggs, P. Hosick, EM George, DE Stec, MJ Ryan, JP Granger, and H Drummond. Heme oxygenase promotes migration and beta epithelial Na<sup>+</sup> channel expression in cytotrophoblasts and ischemic placentas. *Am J Physiol Regulatory Integrative Comp Physiol*, 2014 May;306(9):R641-6. PMID:24553299
251. Spradley FT, EM George, AC. Palei, JP Warrington and JP. Granger 2014 Preeclampsia: Angiogenic factors, blood pressure, and the kidney In: *Chronic Kidney Disease and Hypertension*, Editors: Drs. Weir & Lerma pp129-140 . Springer New York Copyright 2015. DOI 10.1007/978-1-4939-1982-6. Print ISBN 978-1-4939-1981-9
252. George EM AC. Palei, Spradley FT, JP Warrington and JP. Granger Hemoxygenase , Pregnancy, and Preeclampsia. *Am J Physiol Regul Integr Comp Physiol*. 2014 Oct 1;307(7):R769-R777 PMID:4898840

253. Rana, S., Rajakumar, A., Geahchan, C., Salahuddin, S., Cerdeira, A. S., Burke, S. D., George, E. M., Granger, J. P., Karumanchi, S. A. Ouabain inhibits placental sFlt1 production by repressing HSP27-dependent HIF-1 $\alpha$  pathway. *FASEB J.* 2014 Oct;28(10):4324-34; PMID: 24970393
254. Freel EM, Perry CG, O'Dwyer P, Staessen JA, Jennings GL, Granger JP, De Buyzere M, Schiffrin EL. Hypertension An Unusual Cause of Mineralocorticoid Hypertension. 2014 Oct;64(4):689-92. PMID:25156173
255. Intapad S., JP Warrington, FT. Spradley, AC Palei, HA. Drummond, MJ. Ryan, JP Granger and BT Alexander. Reduced uterine perfusion pressure induces hypertension in the pregnant mouse. *J Physiol Regul Integr Comp Physiol* 2014 Dec 1;307(11):R1353-7. PMID:25298513
256. Warrington JP, Fan F, Murphy SR, Roman RJ, Drummond HA, Granger JP, Ryan MJ. Placental ischemia in pregnant rats impairs cerebral blood flow autoregulation and increases blood-brain barrier permeability. *Physiol Rep.* 2014 Aug 28;2(8).
257. George EM, Warrington JP, Spradley FT, Palei AC, Granger JP. The heme oxygenases: important regulators of pregnancy and preeclampsia. *Am J Physiol Regul Integr Comp Physiol.* 2014 Oct 1;307(7):R769-R777
258. Maranon R., R Lima, F Spradley, J do Carmo, H Zhang, A Smith, E Bui, L Thomas, M Moulana, J Hall, J Granger, and J Reckelhoff. Roles for the sympathetic nervous system, renal nerves, and CNS melanocortin-4 receptor in the elevated blood pressure in hyperandrogenemic female rats. *Am J Physiol Regul Integr Comp Physiol.* 2015 Apr 15;308(8):R708-13. PMID:25695289
259. da Silva A., F Spradley, JP Granger, J Hall, and J do Carmo. Brain-mediated antidiabetic, anorexic and cardiovascular actions of leptin require melanocortin-4 receptor signaling. *J. Neurophysiol.* 2015 Apr;113(7):2786-91. PMID: 25717164
260. Palei AC, FT Spradley and JP. Granger Chronic hyperleptinemia results in the development of hypertension in pregnant rats. *Am J Physiol Regul Integr Comp Physiol.* 2015 May 15;308(10):R855-R861 PMID:2576169
261. Sasser J, Murphy SR, Granger JP. Emerging drugs for preeclampsia - the endothelium as a target. *Expert Opinion On Emerging Drugs Expert Opin Emerg Drugs.* 2015 Jul 3:1-4 PMID: 26138471
262. George EM, Stout JM, DE Stec, and JP Granger EM. Heme Oxygenase Induction Attenuates TNF- $\alpha$  Induced Hypertension in Pregnant Rodents. *Front Pharmacol.* 2015 Aug 17;6:165 PMID: 26347650
263. Warrington JP, HA Drummond, J P Granger, MJ Ryan. Placental Ischemia-induced Increases in Brain Water Content and Cerebrovascular Permeability: Role of TNF $\alpha$ . *Am J Physiol Regul Integr Comp Physiol.* Dec 2015; 309: R1425 - R1431 2015 PMID:26400187
264. Spradley FT, Palei AC, Granger JP. Increased risk for the development of preeclampsia in obese pregnancies: Weighing in on the mechanisms. *Am J Physiol Regul Integr Comp Physiol.* Dec 2015; 309: R1326 - R1343. 2015 Dec 1;309(11):R1326-43. PMID:26447211

265. Spradley FT, AC Palei, JP Granger. Immune mechanisms linking obesity and preeclampsia. *Biomolecules*. 2015 Nov 12;5(4):3142-76
266. Spradley FT, AC Palei, JP Granger. Differential body weight and blood pressure responses to normal versus high-fat diet in melanocortin-4 receptor-deficient pregnant rats. *J Hypertens*. 2016 Oct;34(10):1998-2007..PMID:27467764
267. Gillis E, JN Mooney, MR. Garrett, JP Granger, JM. Sasser Sildenafil treatment ameliorates the maternal syndrome of preeclampsia and rescues fetal growth in the Dahl Salt Sensitive rat.. *Hypertension*. 2016 Jan 4. [Epub ahead of print] PMID: 26729752
268. Stec DE, LA Juncos, JP Granger. Renal Intramedullary Infusion of Tempol Normalizes the Blood Pressure Response to Intrarenal Blockade of Heme Oxygenase-1 in Angiotensin II-Dependent *J Am Soc Hypertens*.
269. Spradley FT, AY Tan, WS. Joo, G Daniels, P Kussie, SA Karumanchi, JP Granger Placental growth factor administration abolishes placental ischemia-induced hypertension. *Hypertension* 2016 Feb [Epub ahead of print] PMID: 26831193
270. Karumanchi SA and JP Granger. Preeclampsia and Pregnancy-Related Hypertensive Disorders. *Hypertension*. 2016; 67: 238-242
271. Spradley FT, Sasser JM, Musall JB, Sullivan JC, Granger JP. Nitric oxide synthase-mediated blood pressure regulation in obese melanocortin-4 receptor-deficient pregnant rats. *Am J Physiol Regul Integr Comp Physiol*. 2016 Nov 1;311(5):R851-R857 PMID:27534879
272. Bakrania B, Granger JP, Harmancey R. Methods for the Determination of Rates of Glucose and Fatty Acid Oxidation in the Isolated Working Rat Heart. *J Vis Exp*. 2016 Sep 28;(115). PMID:27768055
273. Hall, ME, JE Hall, JP Granger, DW Jones. Systemic Hypertension: Pathogenesis and Etiology. In Hurst's *The Heart: Manual of Cardiology*. Eds. O' Rourke, RA, RA Walsh, V Fuster. The McGraw – Hill Companies, Inc Ed P. 14<sup>th</sup> edition. 2016. pp3
274. Palei, A, FT Spradley. JP Granger. Role of nitric oxide synthase on blood pressure regulation and vascular function in pregnant rats on a high-fat diet" *Am J Hypertens* 2017. 30 (3): 240-248.
275. Granger JP, BB Bakrania, JDuncan, JP Warrington. The ETA receptor as a Potential Therapeutic Target In Preeclampsia? *International Journal of Medical Sciences (Invited Review) Int J Mol Sci*. 2017 Feb 28;18(3). pii: E522. PMID:8264495
276. Paauw ND,, Joles JA, Spradley FT, Bakrania B, Zellenger ZK, Franx A, Verhaar MC, **Granger JP**, and Lely AT. Exposure to placental ischemia impairs postpartum maternal renal and cardiac function in rats. *Am J Physiol Regul Integr Comp Physiol*. 2017 Feb PMID: :28202440
277. George EM, K Cockrell, M Arany, DE Stec, JM. Rimoldi, RS.V. Gadepalli and JP Granger Carbon Monoxide Releasing Molecules Blunt Placental Ischemia-Induced Hypertension. *Am. J. Hypertension* 2017 Sep 1;30(9):931-937. PMID:28472389
278. George EM, Granger JP. . A new genetic clue to unravel the origins of pre-eclampsia. *Nat Rev Nephrol*. 2017 Oct;13(10):599-600. PMID:28869250

279. George EM, Granger JP Response to: Using Carbon Monoxide Releasing Molecules in Models of Pre-Eclampsia: When Should We Be Monitoring Vascular Effects? *Am J Hypertens.* 2017 Oct 1;30(10):e11. PMID:28911026

**Abstracts**

1. Granger, J. P., E. W. Quillen, D. N. Granger, and A. E. Taylor. A theoretical analysis of interstitial fluid volume regulation in the small intestine. *J. Miss. Acad. Sci.* 22:73, 1977.
2. Granger, J. P., J. E. Conwill, D. N. Granger, H. J. Granger, B. H. Cook, and A. E. Taylor. The effects of phospholipases A and C on selected renal enzymes in vitro: A histochemical study. *Fed. Proc.* 36:577, 1977.
3. Granger, D. N., J. P. Granger, E. W. Quillen, R. A. Brace, and A. E. Taylor. Permeability of intestinal capillaries. *Fed. Proc.* 36:471, 1977.
4. Granger, D. N., J. P. Granger, and A. E. Taylor. Estimation of equivalent pore radius of the capillary membrane in the small intestine. *Biophys. J.* 17:186, 1977.
5. Granger, J. P. and J. E. Hall. Does azotemia potentiate the effects of chronic blood pressure and renal vasoconstrictor actions of angiotensin II. *Fed. Proc.* 40:435, 1981.
6. Hall, J. E. and J. P. Granger. Mechanism of captopril's chronic blood pressure and renal hemodynamic effects. *Fed. Proc.* 40:436, 1981.
7. Hall, J. E. and J. P. Granger. Mechanism of the chronic blood pressure and renal hemodynamic effects of captopril. *Int. Symposium on Angiotensin Converting Enzyme Inhibitors*, p. 13, 1981.
8. Granger, J. P. and J. E. Hall. Effects of azotemia on control of arterial pressure, renal hemodynamics and electrolyte excretion by angiotensin II. *Miss. Acad. Sci.* 26:58, 1981.
9. Hall, J. E. and J. P. Granger. Mechanisms of the chronic blood pressure and renal hemodynamic effects of captopril. *Eighth Scientific Meeting of the International Society Hypertension* 19:170, 1981.
10. Granger, J. P., J. E. Hall, and B.-M. Twu. The role of circulating and endogenous kinins in long-term regulation of renal hemodynamics, electrolyte excretion and arterial pressure in conscious dogs. *Miss. Acad. Sci.* 27:31, 1982.
11. Granger, J. P., J. E. Hall, and B.-M. Twu. Long-term control of renal hemodynamics, electrolyte excretion and arterial pressure by circulating bradykinin in conscious dogs. *Fed. Proc.* 41:1257, 1982.
12. Hall, J. E., J. P. Granger, and B.-M. Twu. Interactions between angiotensin (AII) and intrinsic autoregulatory mechanisms in control of renal segmental resistance. *Fed. Proc.* 41:1257, 1982.
13. Granger, J. P., B.-M. Twu, and J. E. Hall. Control of renal segmental resistances by angiotensin II in the absence of tubuloglomerular feedback. *Miss. Acad. Sci.* 27:31, 1982.
14. Twu, B.-M., J. P. Granger, and J. E. Hall. Renin secretion into the renal circulation and lymph during increased ureteral pressure. *Miss. Acad. Sci.* 27:31, 1982.
15. Hall, J. E. and J. P. Granger. Role of angiotensin II in mediating renal hemodynamic effects of adenosine. *Physiologist* 25:317, 1982.
16. Granger, J. P. and J. E. Hall. Control of renal hemodynamics, electrolyte excretion and arterial pressure during acute and chronic intrarenal infusion of glandular kallikrein. *Kidney Int.* 23:273, 1982.

17. Hall, J. E. and J. P. Granger. Escape from the chronic sodium retaining actions of angiotensin II: Role of increased renal arterial pressure. *Kidney Int.* 23:170, 1982.
18. Granger, J. P. and J. E. Hall. Role of the renin-angiotensin system and tubuloglomerular feedback in altering renal responses to glandular kallikrein. *Fed. Proc.* 42:590, 1983.
19. Hall, J. E. and J. P. Granger. Role of peripheral sympathetic nervous system in mediating the chronic blood pressure and renal effect of angiotensin II. *Fed. Proc.* 42:589, 1983.
20. Hall, J. E., J. P. Granger, and A. J. Premen. Angiotensin II constricts preglomerular vessels in the presence of adenosine. *Physiologist* 26:A127, 1983.
21. Premen, A. J., J. E. Hall, and J. P. Granger. Control of arterial pressure and renal hemodynamics during chronic intrarenal adenosine infusion. *Physiologist* 26:A127, 1983.
22. Hall, J. E. and J. P. Granger. Mechanism of escape from the chronic sodium retaining effects of angiotensin II. *Proc. Intl. Cong. Physiol.* p. 313, 1983.
23. Opgenorth, T. J., J. P. Granger, F. G. Knox, and J. C. Romero. Mineralocorticoid escape during constant intrarenal infusion of angiotensin II. *Fed. Proc.* 43:994, 1984.
24. Granger, J. P., J. A. Haas, and F. G. Knox. A new method for studying the relationship between renal interstitial hydrostatic pressure and sodium excretion. *Fed. Proc.* 43:723, 1984.
25. Granger, J. P., J. A. Haas, and F. G. Knox. Role of hydrostatic forces in the effects of angiotensin II on sodium reabsorption in the rat. *Kidney Int.* 25:288A, 1984.
26. Haas, J. A., J. P. Granger, and F. G. Knox. Proximal sodium reabsorption in response to changes in renal perfusion pressure. *Fed. Proc.* 43:723, 1984.
27. Hall, J. E., J. P. Granger, and A. J. Premen. Mechanisms of aldosterone "escape": Role of glomerular filtration rate and arterial pressure. *Kidney Int.* 25:200A, 1984.
28. Hall, J. E., J. P. Granger, J. P. Montani, and A. J. Premen. Renal hemodynamic actions of adenosine: Interactions with angiotensin and tubuloglomerular feedback. *Fed. Proc.* 43:409, 1984.
29. Haas, J. A., J. P. Granger, J. C. Burnett, Jr., and F. G. Knox. Renal interstitial pressure during inhibition of loop of Henle transport. *Physiologist* 27:208, 1984.
30. J. C. Burnett, J. P. Granger, and T. J. Opgenorth. Effects of synthetic atrial natriuretic factor L-364, 343 on renal function and renin release. *Proc. Regional Mtg., Intl. Union Physiol. Sci.* (In press) 1984.
31. Opgenorth, T. J., J. P. Granger, A. Chakvarathy, F. G. Knox, and J. C. Romero. Role of angiotensin II (AII) in escape from aldosterone induced sodium retention. *Kidney Int.* 27:318, 1985.
32. Haas, J. A., J. P. Granger, and F. G. Knox. Sodium delivery from superficial and deep proximal tubules in response to changes in renal perfusion pressure. *Kidney Int.* 27:309, 1985.
33. Granger, J. P., T. J. Opgenorth, A. Chakvarathy, F. G. Knox, and J. C. Romero. Long term effects of vasopressin on renal function, urinary prostaglandin excretion, and arterial pressure. *Kidney Int.* 27:326, 1985.

34. Burnett, J. C., Jr., J. P. Granger, and T. J. Opgenorth. Effects of synthetic atrial natriuretic factor on renal function and renin release. *Kidney Int.* 27:305, 1985.
35. Opgenorth, T. J., J. C. Burnett, Jr., and J. P. Granger. The effect of atrial natriuretic factor (ANF) on renal hemodynamics and renin secretion in the non-filtering dog kidney. *Fed. Proc.* 44:1738, 1985.
36. Awazu, M. and J. P. Granger. Effects of atrial natriuretic factor (ANF) on renal function in spontaneously hypertensive rats (SHR) *Fed. Proc.* 44:1749, 1985.
37. Granger, J. P., T. J. Opgenorth, and J. C. Burnett, Jr. Atrial natriuretic factor-induced natriuresis without increases in glomerular filtration rate in the sodium-depleted dogs. *Clin. Res.* 33:485A, 1985.
38. Pawlowska, D., J. P. Granger, and F. G. Knox. The effects of direct increases in renal interstitial levels of adenosine on renal hemodynamics and sodium excretion. *Fed. Proc.* 44:1573, 1985.
39. Opgenorth, T. J., J. C. Burnett, Jr. and J. P. Granger. Mechanism of inhibition of renin secretion by atrial natriuretic peptide. *Clin. Res.* 33:494A, 1985.
40. Burnett, J. C., Jr., T. J. Opgenorth, and J. P. Granger. Renal actions of atrial natriuretic peptides. *Cardiology* 1985.
41. Granger, J. P., T. J. Opgenorth, J. C. Burnett, Jr., J. Salazar and J. C. Romero. Hypotensive effects of chronic infusions of atrial natriuretic peptides in conscious dogs. *Hypertension*.
42. Salazar, J., M. S. Fiksen-Olsen, T. J. Opgenorth, J. P. Granger, J. C. Burnett, Jr., and J. C. Romero. Renal hemodynamic and prostaglandin (PG) effects of atrial natriuretic peptide. *Circulation*.
43. Granger, J. P., J. C. Burnett Jr., and T. J. Opgenorth. Renal hemodynamic and excretory responses to atrial natriuretic peptide: Modification by dietary sodium intake. *Kidney Int.* 1986.
44. Salazar, F. J., J. P. Granger, J. C. Burnett, Jr., S. Schryver, T. J. Burnett, and J. C. Romero. Plasma atrial natriuretic peptide levels during acute and chronic saline volume expansion in conscious dogs. *Kidney Int.* 29:406, 1986.
45. Awazu, M., J. P. Granger, and F. G. Knox. Natriuretic effect of atrial natriuretic peptide (ANP) in diabetes insipidous rats. *Kidney Int.* 29:390, 1986.
46. Burnett, J. C. Jr., T. J. Opgenorth, and J. P. Granger. The renal effects of synthetic atrial natriuretic peptide during control of glomerular filtration rate. *Kidney Int.* 29:393, 1986.
47. Pawlowska, D., J. P. Granger, and F. G. Knox. The effect of adenosine analogs on glomerular filtration rate (GFR) and urinary camp excretion. *Kidney Int.* 29:358, 1986.
48. Granger, J. P., J.C. Burnett, Jr., J. C. Romero, J. Salazar, and M. Joyce. Temporal changes in plasma atrial natriuretic peptide during aldosterone escape. *Fed. Proc.* 45:2172, 1986.
49. Salazar, F. J., J. P. Granger, M. Joyce and J. C. Romero. Release of atrial natriuretic peptide (ANP) during plasma osmolality induced increases in vasopressin. *Fed. Proc.* 45:2175, 1986.
50. Granger, J. P., J. C. Burnett, Jr., J. C. Romero, J. Salazar, and M. Joyce. Plasma atrial natriuretic peptide levels during chronic increases in sodium intake and during aldosterone escape. *Proc. of XXX Cong. of Intl. Union of Physiol. Sci.* 16:161, 1986.



51. Haas, J. A., J. P. Granger, and F. G. Knox. Effect of renal perfusion pressure on sodium reabsorption from proximal tubules of superficial and deep nephrons. *Proc. of XXX Cong. of Intl. Union of Physiol. Sci.* 16:423, 1986.
52. Salazar, J., J. P. Granger, and J. C. Romero. Effects of changes in plasma osmolality and blood volume expansion on atrial natriuretic peptide (ANP). *Proc. of XXX Cong. of Intl. Union of Physiol. Sci.* 16:426, 1986.
53. Granger, J. P. and M. Awazu. Atrial natriuretic peptide in the spontaneously hypertensive rat (SHR): Plasma levels and renal effects. *J. Cardiovasc. Pharmacol.* 8:1328, 1986.
54. Granger, J. P. and J. C. Burnett, Jr. Acute effects of angiotensin II on circulating levels of atrial natriuretic peptide in conscious dogs. *J. Cardiovasc. Pharmacol.* 8:1324, 1986.
55. Salazar, F. J., M. Fiksen-Olsen, J. P. Granger, M. Joyce, and J. C. Romero. Natriuresis induced by atrial peptides is modulated by the intrarenal levels of angiotensin II. *J. Hypertens.* 4:S697, 1986.
56. Khraibi, A., K. R. Walker, J. C. Burnett, and J. P. Granger. Role of atrial natriuretic factor in mediating the natriuresis induced by acute volume expansion. *Physiologist* 29(4):136, 1986.
57. Salazar, F.J., M. D. Bentley, J. P. Granger, M. Fiksen-Olsen, M. Joyce, and J. C. Romero. Role of AII suppression and prostaglandins in ANP-induced natriuresis. *Physiologist* 29(4):136, 1986.
58. Haas, J. A., D. Pawlowska, J. P. Granger, J. C. Romero, and F. G. Knox. Role of prostaglandins in mediating increases in sodium excretion induced by elevated renal interstitial hydrostatic pressure. *Kidney Int.* 31:431, 1987.
59. Opgenorth, T. G., J. P. Granger, and J. C. Romero. Effect of intrarenal saralasin on angiotensin II dependent hypertension. *Fed. Proc.* 46:524, 1987.
60. Granger, J. P. and J. W. Scott. Pressure natriuresis in normal and vasodilated kidneys: Relationship between renal perfusion pressure and interstitial hydrostatic pressure. *Fed. Proc.* 46(4):1234, 1987.
61. Haas, J. A., J. P. Granger, and F. G. Knox. Effect of direct increases in renal interstitial hydrostatic pressure on superficial and deep proximal sodium reabsorption. *Fed. Proc.* 46(4):1286, 1987.
62. Granger, J. P. Pressure natriuresis in normal and vasodilated kidneys: Role of renal interstitial hydrostatic pressure. *Kidney Int.* 1987.
63. Granger, J. P. and J. Scott. Effects of calcium antagonists on sodium excretion: Role of renal interstitial hydrostatic pressure. *Physiologist* 30(4):207, 1987.
64. Granger, J. P., M. J. Solhaug, and J. W. Scott. Enhanced atrial natriuretic peptide release in dogs with reduced renal mass during chronic sodium loading. *Kidney Int.* 33:265, 1988.
65. Solhaug, M. J., J. P. Granger, and J. Scott. Postprandial and fasting plasma atrial natriuretic peptide during varying chronic sodium intakes in normal humans. *Kidney Int.* 33:285, 1988.
66. Granger, J. P., J. W. Scott, M. J. Solhaug, and D. L. Stacy. Role of ANF in the maintenance of sodium balance during chronic sodium loading in normal and reduced renal mass dogs. *FASEB Journal* 2:A527, 1988.

67. Sooudi, S., E. Meadows, J. Scott, D. L. Stacy, and J. P. Granger. Role of atrial natriuretic factor in postprandial natriuresis in conscious dogs. *FASEB Journal* 2:A527, 1988.
68. E. Meadows, S. Sooudi, D. L. Stacy, and J. P. Granger. Role of renin suppression in mediating the hypotensive response of atrial natriuretic factor in sodium-depleted dogs. *FASEB Journal* 2:A525, 1988.
69. Stacy, D. L., J. W. Scott, and J. P. Granger. Dose-dependent suppression of plasma renin activity in conscious dogs with infusion of low physiological levels of atrial natriuretic factor. *FASEB Journal* 2:A525, 1988.
70. Solhaug, M. J., D. L. Stacy, J. W. Scott, and J. P. Granger. Effect of sodium intake on postprandial and fasting plasma atrial natriuretic factor levels in humans. *FASEB Journal* 2:A308, 1988.
71. Granger, J. P., E. Meadows, S. Soudi, and D. L. Stacy. Mechanism mediating hypertensive effect of ANF in sodium-depleted dogs: Role of renin suppression. *Am. J. Hypertens.* 1(3):96A, 1988.
72. Granger, J. P., D. L. Stacy, M. J. Solhaug, and M. LaRock. Effects of Long-term elevation of circulating levels of ANF on arterial pressure regulation in angiotensin II hypertensive dogs. *Physiologist* 1988.
73. Scott, J. W., D. L. Stacy, and J. P. Granger. Control of renal function and hemodynamics during intrarenal infusion of endothelin. *FASEB Journal* 2:A1018, 1989.
74. LaRock, M. J., R. Sharma, M. J. Solhaug, and J. P. Granger. Role of renal interstitial hydrostatic pressure in the exaggerated natriuretic response to volume expansion in the SHR. *FASEB Journal* 2:A1001, 1989.
75. Granger, J. P., M. J. Solhaug, and J. W. Scott. Interaction of angiotensin II and physiological levels of ANF in control of sodium excretion in dogs. *FASEB Journal* 1:A697, 1989.
76. Solhaug, M. J., M. R. Wallace, J. W. Scott, and J. P. Granger. Renal interstitial hydrostatic pressure and sodium excretion during volume expansion in the developing piglet. *FASEB Journal* 2:A1303, 1989.
77. Allen, J., M. J. Solhaug, M. R. Wallace, J. P. Granger, and D. A. Johnson. Plasma ANF and urinary cyclic GMP levels in congenital heart disease surgery patients. *FASEB Journal* 2:A1006, 1989.
78. Sharma, R., M. J. Solhaug, M. J. LaRock, and J. P. Granger. Temporal changes in plasma ANF during acute and chronic angiotensin-II induced hypertension in dogs. *FASEB Journal* 2:A1006, 1989.
79. Solhaug, M. J., J. P. Granger, and M. R. Wallace. Renal interstitial hydrostatic pressure and sodium excretion during volume expansion in the developing piglet. *Kidney Int.* 35:488, 1989.
80. Granger, J. P., M. J. Solhaug, and J. W. Scott. Physiological doses of ANF partially inhibits sodium retaining actions of AII in dogs. *Kidney Int.* 35:300, 1989.
81. Wehberg, K., S. Hassassian, J. Scott, and J. P. Granger. Mechanism of pressure-natriuresis in vasodilated kidneys: Role of renal interstitial hydrostatic pressure. *FASEB Journal* 4:A966, 1990.
82. Solhaug, M. J., M. R. Wallace, and J. P. Granger. Renal interstitial hydrostatic pressure and sodium excretion in the developing piglet. *FASEB Journal* 4:A564, 1990.
83. West, D. B., K. Wehberg, C. Kieswetter, J. Scott, M. Wallace, and J. P. Granger. Impaired response to acute sodium loading in obese hypertensive dogs. 6th International Congress on Obesity 1990.

84. Granger, J. P., D. West, and J. Scott. Abnormal pressure natriuresis in a dog model of obesity-induced hypertension. *J. Am. Soc. Nephrol.* 1:490, 1990.
85. Stacy, D. L., J. W. Scott and J. P. Granger. The effects of endothelin on renal function and hemodynamics. *J. Cardiovasc. Pharm.* (In press) 1990.
86. Solhaug, M. J., M. Wallace, and J. P. Granger. Correction of blunted renal interstitial hydrostatic pressure increase during volume expansion restores the natriuretic response in the piglet. *FASEB Journal* 5:A1147, 1991.
87. Granger, J.P. and T. Nakamura. Regulation of arterial pressure in dogs with obesity-induced hypertension: Effect of sodium intake. *Am. J. Hypertens.* 4:43A, 1991.
88. Wehburg, K. E., D. B. West, C. Kieswitter, and J. P. Granger. Baroreflex sensitivity in the canine model of obesity-induced hypertension. *Am. J. Hypertens.* 4:76A, 1991.
89. Nakamura, T., J. Hamlyn, and J. P. Granger. Renin angiotensin aldosterone system and ouabain-like compound in dogs with obesity-induced hypertension. *Am. J. Hypertens.* 4:81A, 1991.
90. Nakamura, T. and J. P. Granger. Abnormal renal handling of sodium in the prehypertensive Dahl S rat: Role of renal interstitial hydrostatic pressure. *J. Am. Soc. Nephrol.* 2(3):481, 1991.
91. Hall, J.E., G. A. Herrera, and J. P. Granger. Renal pathophysiology in obesity-induced hypertension. *Hypertension* 18:395, 1991.
92. Dzielak, D. J., J. P. Granger, and T. Nakamura. Abnormalities in renal function accompany partial renal infarct hypertension. *J. Am. Soc. Nephrol.* 18:595, 1991.
93. Granger, J. P. and T. Nakamura. Effects of chronic sodium loading on arterial pressure and renal function in dogs with obesity-induced hypertension. *Hypertension* 19(I):I135, 1992.
94. Nakamura, T., J. P. Granger, C. Nichols, and R. Chen. Renal interstitial hydrostatic pressure and sodium excretion in prehypertensive Dahl Rats. *Hypertension* 19(I):I133, 1992.
95. Chen, R., F. J. Salazar, A. Alberola, T. Nakamura, M. Strong, and J. P. Granger. Control of renal hemodynamics and sodium excretion during intrarenal blockade of endothelium-derived nitric oxide (EDNO) in conscious dogs. *FASEB Journal* 6(4):A979, 1992.
96. Alberola, A., F. J. Salazar, T. Nakamura, and J. P. Granger. Renal hemodynamics effects of angiotensin II (AII): Interactions with endothelium derived nitric oxide. *FASEB Journal* 6(5):A1812, 1992.
97. Khraibi, A. A., J. P. Granger, J. A. Haas, J. C. Burnett, Jr., and F. G. Knox. Renal interstitial hydrostatic pressure during inhibition of loop of Henle sodium transport. *FASEB Journal* 6(4):A958, 1992.
98. Granger, J. P., F. J. Salazar, H. L. Mizelle, A. Alberola, and T. Nakamura. Role of the renal nerves in mediating the renal hemodynamic effects of systemic EDNO synthesis blockade. *FASEB Journal* 6(5):A1811, 1992.

99. Salazar, F. J., A. Alberola, T. Nakamura, M. Strong, and J. P. Granger. Post-prandial increases in renal hemodynamics in conscious dogs: Role of endothelium derived nitric oxide. *FASEB Journal* 6(5):A1812, 1992.
100. Patterson, S., T. Nakamura, A. Alberola, H. L. Mizelle, and J. P. Granger. Post-prandial increases in sodium excretion in response to a high sodium meal: Role of the renal nerves. *FASEB Journal* 6(5):A1839, 1992.
101. Nakamura, T., F. J. Salazar, A. Alberola, and J. P. Granger. Effect of renal perfusion pressure (RPP) on renal interstitial hydrostatic pressure (RIHP) and Na excretion: Role of endothelium-derived nitric oxide (EDNO). *FASEB Journal* 6(4):A1470, 1992.
102. Solhaug, M. J., M. R. Wallace, and J. P. Granger. The role of EDRF/NO in renal hemodynamics of the developing piglet. *FASEB Journal* 6(5):A1812, 1992.
103. Granger, J. P., F. J. Salazar, A. Alberola, and T. Nakamura. Control of renal hemodynamics and sodium excretion during intrarenal blockade of endothelium-derived nitric oxide (EDNO) in conscious dogs. *J. Vasc. Res.* 29(2):122, 1992.
104. Salazar, F. J., A. Alberola, T. Nakamura, and J. P. Granger. Role of endothelium derived nitric oxide in mediating post-prandial increases in renal hemodynamics in conscious dogs. *J. Vasc. Res.* 29(2):192, 1992.
105. Granger, J. P., F. J. Salazar, A. Alberola, and T. Nakamura. Renal hemodynamic effects of Angiotensin II (AII): Interactions with endothelium derived nitric oxide. *J. Hypertens.* 10(4):581, 1992.
106. Nakamura, T., F. J. Salazar, A. Alberola, and J. P. Granger. Effect of renal perfusion pressure (RPP) on renal interstitial hydrostatic pressure (RIHP) and Na excretion: Role of endothelium-derived nitric oxide (EDNO). *J. Hypertens.* 10(4):53, 1992.
107. Salazar, F. J., H. L. Mizelle, A. Alberola, T. Nakamura, and J. P. Granger. Renal hemodynamic effects of systemic EDNO synthesis blockade: Role of the renal nerves. *J. Hypertens.* 11(4):53, 1992.
108. Nakamura, T., A. Alberola, and J. P. Granger. Role of renal interstitial pressure as a mediator of sodium retention during blockade of endothelium derived nitric oxide hypertension. *Hypertension* 20:402, 1992.
109. Manning, R. D., L. Hu, H. L. Mizelle, and J. P. Granger. Long-term modulation of angiotensin II-induced renal vasoconstriction by nitric oxide. *Hypertension* 20:402, 1992.
110. Wilkins, F. C. Jr., A. Alberola, H. L. Mizelle, T. J. Opgenorth, and J. P. Granger. Chronic hypertension produced by long-term pathophysiological increases in circulating endothelin levels in conscious dogs. *FASEB Journal* 7:A188, 1993.
111. Solhaug, M. J., M. Wallace, and J. P. Granger. Role of nitric oxide in modulating renin release and renal hemodynamics in the developing piglet. *FASEB Journal* 7:A405, 1993.
112. Nakamura T. and J. P. Granger. Differential natriuretic response to saline loading and blood volume expansion: role of renal interstitial hydrostatic pressure. *FASEB Journal* 7:A7, 1993.

113. Granger, J. P., D. B. West, and J. W. Scott. Abnormal pressure-natriuresis in the dog model of obesity-induced hypertension. *Hypertension* 7:A187, 1993.
114. Granger, J. P., A. Alberola, F. J. Salazar, and T. Nakamura. Nitric oxide (NO) protects the renal vasculature against norepinephrine-induced vasoconstriction in conscious dogs. *FASEB Journal* 7:A187, 1993.
115. Kassab, S., F. C. Wilkins, H. L. Mizelle, and J. P. Granger. Blunted natriuretic response to a high-sodium meal in obese dogs: Role of renal nerves. *Hypertension* 22:449, 1993.
116. Kato, T. and J. P. Granger. Renal tubules of Dahl salt-sensitive rats are less sensitive to direct increases in renal interstitial pressure than salt-resistant rats. *Hypertension* 22:415, 1993.
117. Kassab, S., F. C. Wilkins, T. Kato, H. L. Mizelle, and J. P. Granger. Role of renal nerves in mediating the blunted natriuretic response to acute saline loading in obese dogs. *J. Am. Soc. Nephrol.* 4(3):514, 1993.
118. Wilkins, F. C., S. Kassab, T. Kato, H. L. Mizelle, T. J. Opgenorth, and J. P. Granger. Chronic hypertension produced by pathophysiological increases in circulating endothelin: Role of the renin-angiotensin system. *J. Am. Soc. Nephrol.* 4(3):526, 1993.
119. Solhaug, M. J., M. R. Wallace, and J. P. Granger. Interaction between nitric oxide and angiotensin II in the regulation of renal hemodynamics in the developing piglet. *J. Am. Soc. Nephrol.* 4(3):569, 1993.
120. Solhaug, M. J., M. R. Wallace, and J. P. Granger. The role of angiotensin II in the renal hemodynamics of the developing piglet. *J. Am. Soc. Nephrol.* 4(3):587, 1993.
121. Kato, T., S. Kassab, F. C. Wilkins, K. A. Kirchner, and J. P. Granger. Reduced sensitivity of renal tubules to elevated renal interstitial hydrostatic pressure in Dahl salt-sensitive rats. *J. Hypertens.* 12(Suppl. 3):S37, 1994.
122. Wilkins, F. C., M. H. Strong, S. Kassab, T. Kato, T. J. Opgenorth, and J. P. Granger. Pathophysiological elevation of endothelin-1 level within the kidney produces chronic hypertension in conscious dogs. *J. Hypertens.* 12(Suppl. 3):S3, 1994.
123. Kassab, S., T. Kato, F. C. Wilkins, L. Mizelle, and J. P. Granger. Role of renal nerves in mediating the blunted natriuretic response to a high-sodium meal in obese dogs. *J. Hypertens.* 12(Suppl. 3):S186, 1994.
124. Kassab, S., C. Wilkins, T. Kato, L. Mizelle, J. Hall, and J. Granger. Role of renal nerves in mediating the sodium retention in obese dogs. *FASEB J.* 8(4):A527, 1994.
125. Solhaug, M. J., M. Wallace, and J. P. Granger. Regulation of renal hemodynamics by nitric oxide and angiotensin II in the developing piglet. *FASEB J.* 8(4):A259, 1994.
126. Godfrey, C., F. C. Wilkins, and J. P. Granger. Nitric oxide (NO) protects preglomerular resistance vessels from angiotensin II-induced vasoconstriction. *FASEB J.* 8(4):A6, 1994.

127. Wilkins, F., S. Kassab, T. Kato, C. Godfrey, T. Opgenorth, and J. Granger. Role of nitric oxide in modulating the chronic hypertension produced by pathophysiological increases in circulating endothelin. *FASEB J.* 8(5):A579, 1994.
128. Tabor, B. L., C. Godfrey, M. H. Strong, F. C. Wilkins, and J. P. Granger. Intrarenal nitric oxide (NO) synthesis inhibition increases renin secretion rate. *FASEB J.* 8(5):A579, 1994.
129. Kassab, S., C. Wilkins, T. Kato, L. Mizelle, J. Hall, and J. Granger. Renal nerves play an important role in mediating the sodium retention in response to a high-fat diet in conscious dogs. *Am. J. Hypertens.* 7:26A, 1994.
130. Kato, T., S. Kassab, F. C. Wilkins, K. A. Kirchner, and J. P. Granger. Endogenous dopamine blockade attenuates the natriuresis in response to elevated renal interstitial hydrostatic pressure. *Am. J. Hypertension* 7:14A-15A, 1994.
131. Wilkins, F. C., M. H. Strong, C. Godfrey, T. Kato, T. J. Opgenorth, and J. P. Granger. Long-term elevation of plasma endothelin-1 concentration within the kidney produces chronic hypertension in conscious dogs. *J. Hypertens.* 7:15A, 1994.
132. Reckelhoff, J. F., J. A. Kellum, Jr., E. J. Blanchard, E. E. Bacon, A. J. Wesley, W. C. Kruckeberg, and J. P. Granger. Changes in serum L-arginine levels and nitrate/nitrite excretion with aging in rats. *Am. J. Hypertension* 7:130A, 1994.
133. Kato, T., C. Wilkins, S. Kassab, K. Kirchner, and J. Granger. Renal interstitial infusion of endothelin receptor antagonist improves renal hemodynamics and excretory function in SHR. *Hypertension* 24(3):384, 1994.
134. Kassab, S., T. Kato, F. C. Wilkins, R. Chen, J. E. Hall, and J. P. Granger. Bilateral renal denervation prevents the development of obesity-induced hypertension in dogs. *Hypertension* 24(3):375, 1994.
135. Wallace, M., A. Patel, J. P. Granger, and K. Kirchner. Renal interstitial hydrostatic pressure does not increase with sodium loading in nephrotic syndrome. *J. Am. Soc. Nephrol.* 5(3):958, 1994.
136. Wallace, M., J. P. Granger, and M. J. Solhaug. Interaction between nitric oxide and the renal sympathetic nervous system in the regulation of renal hemodynamics in the developing piglet. *FASEB J.* 9(3):A72, 1995.
137. Wilkins, F. C., C. G. Schnackenberg, T. Kato, S. Kassab, J. Keiser, and J. P. Granger. Role of endothelin in acute ischemic renal failure in the dog. *FASEB J.* 9(3):A72, 1995.
138. Hildebrandt, D. A., J.-P. Montani, B. J. Heath, and J. P. Granger. Chronic Ouabain infusion alters systemic hemodynamics in normal dogs. *FASEB J.* 9(3):A297, 1995.
139. Schnackenberg, C., B. L. Tabor, N. H. Strong, and J. P. Granger. Role of the macula densa in mediating the renin secretion rate response to intrarenal nitric oxide synthesis inhibition in the dog. *FASEB J.* 9(3):A880, 1995.
140. Schnackenberg, C., F. C. Wilkins, and J. P. Granger. Role of nitric oxide in modulating angiotensin II induced pre-and postglomerular vasoconstriction in dogs. *Hypertension* 25(6):1354, 1995.

141. Granger, J. P., J. Novak, C. Schnackenberg, S. Williams, and G. Reinhart. Role of renal nerves in mediating the long-term hypertensive and renal effects of nitric oxide synthesis inhibition. *Hypertension* 26(3):568, 1995.
142. Patel, A., T. Kurashina, J. Granger, and K. Kirchner. Acute NaK-ATPase inhibition impairs renal hemodynamics and pressure-natriuresis in the rat. *Hypertension* 26(3):573, 1995.
143. Patel, A., T. Kurashina, J. Granger, and K. Kirchner. Chronic Na, K ATPase inhibition with ouabain impairs renal hemodynamics and pressure-natriuresis in the rat. *JASN* 6(3):683, 1995.
144. Schnackenberg, C. G. and J. P. Granger. Voltage-gated calcium channel blockade attenuates the preglomerular response to angiotensin II during nitric oxide synthesis inhibition. *FASEB J.* 10:A22, 1996.
145. Novak, J., J. F. Reckelhoff, and J. P. Granger. Reduced sensitivity of the renal circulation to angiotensin II in pregnant rats pretreated with captopril. *FASEB J.* 10:A396, 1996.
146. Carroll, J. F., H. L. Mizelle, K. Cockrell, J. F. Reckelhoff, B. R. Clower, and J. P. Granger. Cholesterol feeding does not alter renal hemodynamic responses to acetylcholine and angiotensin II in rabbits. *FASEB J.* 10:A398, 1996.
147. Granger, J. P. Role of endothelin in hypertension. *Am. J. Hypertension* 9:182A, 1996.
148. Novak, J., J. F. Reckelhoff, and J. P. Granger. Reduced sensitivity of the renal circulation to angiotensin II in pregnant rats pretreated with captopril: role of nitric oxide. *Am. J. Hypertension* 9:127A, 1996.
149. Schnackenberg, C. G., B. T. Tucker, K. G. Pigg, and J. P. Granger. Role of nitric oxide in modulating the long-term renal and hypertensive actions of angiotensin II. *Am. J. Hypertension* 9:127A, 1996.
150. Reckelhoff, J. F. and J. P. Granger. Acute testosterone infusion causes renal vasodilation in castrated rats. *Am. J. Hypertension* 9:128A, 1996.
151. Reckelhoff, J. F., H. Zhang, B. S. Hennington, J. Novak, and J. P. Granger. Gender differences in blood pressure-natriuresis relationship in SHR. *Hypertension* 28(3):538, 1996.
152. Granger, J. P., C. G. Schnackenberg, J. Novak, B. Tucker, T. Miller, and S. Morgan. Role of nitric oxide in modulating the long-term actions of norepinephrine on renal function and arterial pressure. *Hypertension* 38(3):522, 1996.
153. Patel, A. R., T. Kurashina, M. Wallace, J. P. Granger, and K. A. Kirchner. Chronic hypertension induced by Na, K-ATPase inhibition with bufolin is not mediated by increased sympathetic nervous system (SNS) activity in the rat. *J. Am. Soc. Nephrol.* 7(9):1541, 1996.
154. Granger, J. Endothelin, the kidney, and hypertension. *J. of Physiol. and Biochemistry.* 53(1):17, 1997.
155. Granger, J., B. Tucker, S. Kassab, J. Novak, J. Reckelhoff, and T. Miller. Role of nitric oxide in the renal and arterial pressure responses to chronic aldosterone excess. *FASEB J.* 11(3):A26, 1997.

156. Kassab, S., T. Miller, J. Novak, and J. Granger. Renal interstitial infusion of endothelin receptor antagonists ameliorates renal function in Dahl salt-sensitive rats. *FASEB J.* 11(3):A26, 1997.
157. Novak, J., K. Cockrell, S. E. Kassab, J. F. Reckelhoff, and J. P. Granger. Chronic nitric oxide synthesis inhibition during pregnancy increases thromboxane excretion in rats. *FASEB J.* 11(3):A78, 1997.
158. Reckelhoff, J. F., H. Zhang, and J. P. Granger. Role of androgens in protection of renal hemodynamics in aging SHR. *Hypertension* 29(3):873, 1997.
159. Kassab, S., J. Novak, T. Miller, and J. Granger. Cardiovascular and renal actions of endothelin receptor antagonism in Dahl salt-sensitive hypertension. *Hypertension* 29(3):889, 1997.
160. Novak, J., J. F. Reckelhoff, L. Bumgarner, K. Cockrell, S. E. Kassab, and J. P. Granger. Role of nitric oxide in mediating the reduced sensitivity of the renal circulation to angiotensin II in pregnant rats. *Hypertension* 29(3):889, 1997.
161. Kurashina, T., A. R. Patel, J. P. Granger, and K. A. Kirchner. Renal pressure-natriuresis and autoregulation in response to adrenomedullin in the spontaneously hypertensive rat. *Hypertension* 29(3):873, 1997.
162. Kassab, S., T. Miller, J. Novak, J. F. Reckelhoff, and J. P. Granger. Chronic endothelin-A receptor antagonism attenuates the hypertension and proteinuria in Dahl salt-sensitive rats. *Hypertension* 30(3):474, 1997.
163. Kassab, S., T. Miller, J. Novak, J. F. Reckelhoff, R. L. Hester, and J. P. Granger. Abnormal systemic hemodynamics and regional blood flows in a rat model of pregnancy-induced hypertension. *Hypertension* 30(3):489, 1997.
164. Khalil, R. A., J. Novak, S. Kassab, and J. P. Granger. Enhanced vascular reactivity in a rat model of pregnancy-induced hypertension. *Hypertension* 30(3):514, 1997.
165. Reckelhoff, J. F., H. Zhang, and J. P. Granger. Testosterone raises blood pressure and blunts pressure-natriuresis in ovariectomized female SHR. *Hypertension* 30(3):508, 1997.
166. Hennington, B. S., L. Henegar, A. R. Sinning, J. P. Granger, and J. F. Reckelhoff. Localization of androgen receptors in the kidney of male rats. *Hypertension* 30(3):510, 1997.
167. Hennington, B. S., H. Zhang, J. P. Granger, and J. F. Reckelhoff. Angiotensin II chronically increases endothelial nitric oxide synthase protein in the kidneys of rats. *Hypertension* 30(3):481, 1997.
168. Alexander, B., J. F. Reckelhoff, S. Kassab, and J. P. Granger. Expression of renal endothelial nitric oxide synthase during pregnancy in rats. *FASEB Journal* 12(4): A53, 1998.
169. Alexander, B. T., J. F. Reckelhoff, S. Kassab, and J. P. Granger. Differential expression of renal nitric oxide synthase isoforms during pregnancy in rats. *Hypertension* 32(3):622, 1998.
170. Granger, J. P., K. Cockrell, S. Kassab, and B. T. Alexander. Endothelin-a receptor antagonism attenuates the acute renal actions of angiotensin ii in conscious rats. *Hypertension* 32(3):623, 1998.



171. Kassab, S., B. T. Alexander, M. T. Miller, J. F. Reckelhoff, and J. P. Granger. Bilateral renal function responses to chronic endothelin-a receptor antagonism in two-kidney, one-clip Goldblatt hypertensive rats. *Hypertension* 34(2):337, 1999.
172. Kanashiro, C. A., K. L. Cockrell, J. P. Granger, and R. A. Khalil. Enhanced protein kinase C activity in vascular smooth muscle during inhibition of nitric oxide synthesis in pregnant rat. *Hypertension* (In Press) 1999.
173. Reckelhoff, J. F., H. Zhang, and J. P. Granger. Androgen receptor antagonism attenuates the progression of hypertension in male spontaneously hypertensive rats. *Hypertension* 32(3):601, 1998.
174. Granger, J. P. Cardiovascular-renal mechanisms of pregnancy-induced hypertension. *Hypertension* (In Press) 1999.
175. Alexander, B. T., J. N. Herrington, S. Kassab, J. F. Reckelhoff, and J. P. Granger. Role of nitric oxide in a rat model of pregnancy-induced-hypertension. *Hypertension*. 33(5):788, 1999.
176. Abram, S. A., B. T. Alexander, K. Cockrell, J. N. Herrington, and J. P. Granger. Role of neuronal nitric oxide synthase (nNOS) in mediating renal hemodynamic changes during pregnancy. *FASEB J.* 13(5):788, 1999.
177. Alexander, B. T., J. N. Herrington, S. Kassab, J. F. Reckelhoff, and J. P. Granger. Nitric oxide production in a rat model of pregnancy-induced-hypertension. *FASEB J.* 13(5):788, 1999.
178. Granger, J. P. Endothelial function, the kidney, and hypertension. *Acta Physiol. Scand.* (In Press) 1999.
179. Granger, J. P., W. M. Bennett, B. T. Alexander, K. L. Cockrell, and N. S. Whitworth. Long-term elevation of plasma TNF-alpha increases arterial pressure and reduces kidney function in pregnant rats. *Hypertension*. 34(2):337, 1999.
180. Alexander, B. T., S. E. Kassab, S. R. Abram, J. F. Reckelhoff, and J. P. Granger. Renal protein expression of neuronal NOS is reduced in a rat model of pregnancy-induced hypertension. *Hypertension*. 34(2):368, 1999.
181. Alexander, B. T., K. L. Cockrell, J. N. Herrington, and J. P. Granger. Enhanced renal expression of preproendothelin mRNA during chronic Angiotensin II hypertension. *Hypertension*. 34(2):123, 1999.
182. Crews J. K., J. N. Herrington, J. P. Granger, and R. A. Khalil. Reduced endothelium-dependent vascular relaxation via nitric oxide-cGMP pathway in a rat model of pregnancy-induced hypertension. *Hypertension*. 34(2):367, 1999.
183. Terrone, D. A., B. K. Rinehart, J. N. Martin, Jr., M. T. Miller, J. P. Granger, and W. A. Bennett. A rat model of infection induced preterm labor. *Am J Obstet Gynecol.* 180:S98, 1999.
185. Bennett, W.A, D. A. Terrone, B. K. Rinehart., J. N. Herrington, J. N. Martin, Jr., and J. P. Granger. The effects of endotoxin on birth weight and placental prostaglandin production. *Am J Obstet Gynecol.* 182:S55, 2000.

184. Terrone, D.A., B. K. Rinehart, P. S. Barrilleaux, J. N. Martin, Jr., J. P. Granger, and W. A. Bennett. Interleukin-10 administration prevents infection mediated preterm birth in a rat model. *Am J Obstet Gynecol.* 182:S41, 2000.
185. Alexander, B. T., A. N. Rinewalt, M. B. Massey, W. A. Bennett, and J. P. Granger. Endothelin-A receptor blockade attenuates the hypertension in a rat model of pregnancy-induced hypertension. *Hypertension.* 36(4): 679, 2001.
186. Granger, J. P., K. L. Cockrell, A. N. Rinewalt, and B. T. Alexander. Endothelin-B receptors play an important role in modulating chronic pressure-natriuresis and blood pressure regulation in response to changes in dietary sodium intake. *Hypertension.* 36(4): 682, 2001.
187. Sirous, Z. N., K. L. Cockrell, B. T. Alexander, J. P. Granger, and R. A. Khalil. TNF- $\alpha$  induced hypertension in pregnant rats is associated with increased [Ca<sup>2+</sup>] signaling in renal arterial smooth muscle. *Hypertension.* 36(4):688, 2001.
188. Alexander, B.T., A. N. Rinewalt, W. A. Bennett, and J. P. Granger. The hypertensive response to chronic reductions in uterine perfusion pressure is associated with elevated renal expression of preproendothelin. *Am. J. Hypertens.* 13(4):244A, 2000.
189. Murphy, J.G., J. B. Fleming, B. T. Alexander, J. P. Granger, and R. A. Khalil. Increased [Ca<sup>2+</sup>] signaling in renal arterial smooth muscle cells during inhibition of nitric oxide synthesis in pregnant rats. *FASEB J.* 114(4): A137, 2000.
190. Alexander, B.T., Massey, M.B., Cockrell K.L., Bennett, W.A., and Granger, J. P. Elevations in plasma TNF- $\alpha$  in pregnant rats decreases renal nNOS and iNOS and results in hypertension. *FASEB J.* 114(4): A137, 2000.
191. Granger, J. P., Alexander, B.T., Rinewalt, A.N., Herrington, J.N., and Oppenorth, T.J. Role of endothelin in mediating the chronic renal and hypertensive actions of angiotensin II (ANG II) in rats. *FASEB J.* 114(4):A656, 2000.
192. Barron L. A., J. B. Giardina, J. P. Granger, and R. A. Khalil. High salt diet enhances vascular reactivity in pregnant rats with normal and reduced uterine perfusion pressure. *Hypertension.* 36(4):682, 2001.
193. Giardina, J. B., J. R. Davis, K. L. Cockrell, J. P. Granger, and R. A. Khalil. Reduced endothelium-dependent nitric oxide-mediated pathway of vascular relaxation during chronic elevation of plasma TNF $\alpha$  in pregnant rats. *FASEB J.* 14(4):A404, 2000.
194. Giardina, J. B., G. M. Green, A. N. Rinewalt, J. P. Granger, and R. A. Khalil. Role of endothelin B receptors in enhancing endothelium-dependent NO-mediated vascular relaxation during high salt diet. *Hypertension.* 36(4):696, 2000.
195. Klett C. P. R. and J. P. Granger. Physiological amounts of. angiotensinogen increase blood pressure in Sprague Dawley rats after IV administration. *Hypertension.* 36(4):694, 2000.

196. Alexander, B.T., F. Kline, S. R. Abram, M. Sedeek, and J. P. Granger. Blockade of the renin-angiotensin system does not alter the hypertension produced by chronic reductions in uterine perfusion pressure in the pregnant rat. *FASEB J.* 15:A136, 2001.
197. Abram, S. R., B. T. Alexander, M. Sedeek, and J. P. Granger. Role of endothelin type B receptors in modulating the chronic hypertensive effects of angiotensin II. *FASEB J.* 15:A136, 2001.
198. Llinas, M.T., B. T. Alexander, S. R. Abram, M. Sedeek, and J. P. Granger. Enhanced production of thromboxane A2 in response to chronic reductions in uterine perfusion pressure in pregnant rats. *FASEB J.* 15:A788, 2001.
199. Sedeek, M., B. T. Alexander, S. R. Abram, and J. P. Granger. Role of oxidative stress in endothelin-induced hypertension in rats. *FASEB J.* 15:A785, 2001.
200. Alexander, B.T., K. L. Cockrell, M. Sedeek, and J. P. Granger. Role of the renin-angiotensin system in mediating the hypertension produced by chronic reductions in uterine perfusion pressure in the pregnant rat. *Hypertension.* 37(3):986, 2001.
201. Giardina, J. B., K. Cockrell, J. P. Granger, and R. A. Khalil. Low-salt diet enhances vascular reactivity [ $Ca^{2+}$ ] entry in pregnant rats with normal and reduced uterine perfusion pressure. *Hypertension.*
202. Granger, J.P., B. T. Alexander, S. R. Abram, J. F. Reckelhoff., J. Wilson, and A. N. Rinewalt. Chronic reductions in uterine perfusion pressure in the pregnant rat produces hypertension and reduces pressure-natriuresis. *Hypertension.* 36(4):682, 2001.
203. P. Scott Barrilleaux , Sheryl Rodts-Palenik, Dom Terrone, Joey Granger, Kathy Cockrell, William Bennett. Combined Antibiotic/Interleukin-10 Therapy Increases Interval to Delivery in a Rat Model of Infection-Mediated Preterm Birth. *Am J Obstet Gynecol.* 2002; 185: S87 (Oral Prize Paper).
204. Sheryl Rodts-Palenik, P. Scott Barrilleaux, Dom A Terrone, Joey Granger, James N. Martin, Jr. William H. Barber, Enatra Hale, William A. Bennett. Cytokine expression in gestational tissues infused with bacterial endotoxin alone and with interleukin-10. *Am J Obstet Gynecol.* 2002; 185:S136 P.
205. Scott Barrilleaux, Dom Terrone, Sheryl Rodts-Palenik, Joey Granger, Anna Rinewalt, William Bennett. A rat model of infection-induced preterm labor utilizing *Escherichia Coli*. *Am J Obstet Gynecol.* 2002; S186
206. Alexander, B.T., Llinas, M.T., and Granger, J.P. L-arginine supplementation attenuates the hypertension produced in response to chronic reductions in uterine perfusion pressure in the pregnant rat. *FASEB J*, 2002; 16(5),Pt. 2:A686.
207. Alexander, B.T., Cockrell, K., and Granger, J.P. Inducible nitric oxide synthase inhibition attenuates relaxin-induced increases in renal hemodynamics in non-pregnant rats. *FASEB J*, 2002; 16(5),Pt. 2:A686.
208. Rinewalt AN, Llinas MT, Alexander BT, Granger JP. Effects of hypercholesterolemia on blood pressure during pregnancy in rats. *FASEB Journal* 2002: 16(5), Pt. 2: A868.

209. Alexander, B.T., Cockrell, K.L., Cline, F.D., and Granger, J.P. Inducible nitric oxide synthase inhibition attenuates renal hemodynamics during normal pregnancy. *Hypertension*, 2001;38:499.
210. Sean R. Abram, Barbara Alexander, Maria T.Llinas, Mona Sedeek, Joey P. Granger. Endothelin Type B (ETB) receptor blockade-induced hypertension during changes in dietary sodium intake: Role of nitric oxide. *FASEB Journal*, Vol. 16. 5, 2002.
211. Maria T. Llinas, Barbara T. Alexander, Maria Capparelli, Mairead A. Carroll, Joey P. Granger Role of CYP-450 metabolites of arachidonic acid in a rat model of preeclampsia. *FASEB Journal*, Vol. 16. 5, 2002.
212. Maria T. Llinas, Barbara T. Alexander, Maria Capparelli, Mairead A. Carroll, Joey P. Granger Role of CYP-450 metabolites of arachidonic acid during pregnancy induced hypertension in rats. *American Journal of Hypertension*, Vol. 15, 4, 2002.
213. Alexander, B.T., Cockrell, K.L., Cline, F.D., and Grnager, J.P. Inducible nitric oxide synthase inhibition attenuates renal hemodynamics during normal pregnancy. *Hypertension* , 2001;38:499.
214. Sedeek M, L. A. Fortepiani, BT Alexander, JF Reckelhoff, JP Granger. Increased oxidative stress during endothelin-induced hypertension. *Hypertension* 38: 491, 2001
215. Abram SR, Alexander BT, Llinas MT, Sedeek M, and Granger JP. Hypertension induced by chronic endothelin type B (ETB) receptor blockade attenuates the production of renal medullary nitric oxide in rats. *Hypertension*, 40(3):406,2002.
216. Llinas MT, Alexander BT, Sedeek M, Abram S, and Granger JP. Enhanced renal cortical expression of COX-1 and COX-2 isoforms during pregnancy. *Hypertension*, 40(3):425, 2002.
216. Sirous ZN, Hailman A, Rinewalt A, Granger JP, Klett CPR. Increased sensitivity to apoptotic stimuli in left ventricular (LV) fibroblasts after experimental stimulation of the renin angiotensin system in Wistar Kyoto (WKY) rats. *FASEB Journal* 17(5):850, 2003.
217. Sirous ZN, Kelley KL, Hailman AE, Rinewalt AN, Granger JP, Klett CP. Effects of Experimental Manipulations of the Renin angiotensin System on Apoptotic Events in Left Ventricles of WKY Rats at the Age of 4 Weeks. *Hypertension* 40(3):399, 2003.
218. Thompson J, Payne JA, Rinewalt AN, Granger JP, Khalil RA. Diet-Induced Hypercholesterolemia is Associated with Impaired Endothelium-Dependent Vascular Relaxation and Hypertension in Pregnant Rats. *Hypertension* 40(3):406, 2003.
219. Smith L, Payne JA, Sedeek MH, Granger JP, Khalil RA. Endothelin-1 Increases the Sensitivity of  $Ca^{2+}$  Entry Mechanisms of Vascular Contraction to High Dietary Salt Intake. *Hypertension* 40(3):430, 2003.
220. Klett CPR, Granger JP. Antisense Oligonucleotides Directed against a New Angiotensinogen mRNA Stabilizing Protein Decrease Systemic Blood Pressure in Spontaneously Hypertensive Rats (SHR), XVth Scientific Meeting of the Inter-American Society of Hypertension, San Antonio, TX, April 27-30, 2003.

221. Sedeek MH, Drummond H, Llinas M, Granger J. Endothelin-Induced Production of Reactive Oxygen Species in Cultured Vascular Smooth Muscle Cells, XVth Scientific Meeting of the Inter-American Society of Hypertension, San Antonio, TX, April 27-30, 2003.
222. Llinas MT, Alexander BT, Sullivan ME, Granger JP. COX-1 Inhibition Increases Blood Pressure and Attenuates Renal Vasodilation During Pregnancy in Conscious Rats, XVth Scientific Meeting of the Inter-American Society of Hypertension, San Antonio, TX, April 27-30, 2003.
223. Granger JP, Rinewalt AN, Llinas MT, Alexander BT. Effects of Hypercholesterolemia on the Blood Pressure Response to Reductions in Uterine Perfusion Pressure During Pregnancy in Rats, XVth Scientific Meeting of the Inter-American Society of Hypertension, San Antonio, TX, April 27-30, 2003.
224. Alexander BT, Llinas MT, Rinewalt AN. Chronic Reductions in Uterine Perfusion Pressure in the Pregnant Rat Results in Marked Elevations in Arterial Pressure and Increased Sensitivity to Angiotensin II, XVth Scientific Meeting of the Inter-American Society of Hypertension, San Antonio, TX, April 27-30, 2003.
225. LaMarca BB, Gu, J, Sullivan, E, Granger, JP. Modulation of tumor necrosis factor alpha induced endothelin production by estrogen and progesterone. *The Physiologist*. 46(4):236, 2003.
226. Klett KP, Anderson, D, Granger, JP. Anti-sense oligodeoxynucleotides directed against a novel angiotensinogen mRNA stabilizing protein reduce blood pressure in spontaneously hypertensive rats. *Hypertension*. 42(3):413, 2003.
227. Sedeek MH, Sholook, MM, Sullivan, ME, Chandler, DL, Abram, SR, Granger, JP. Oxidative stress mediates hypertension in a rat model of preeclampsia. *Hypertension*. 42(3):440-441, 2003.
228. Sedeek M.H., M.M. Sholook, C. Blazli, S.R. Abram, D.L. Chandler and J.P. Granger. Tempol, but not vitamin E and C, decreases the blood pressure response to a chronic reduction in uterine perfusion pressure in pregnant rats. *FASEB Journal*, 475:2004
229. Sholook M.M., M.H. Sedeek, M. Huang, R.L. Hester and J.P. Granger. Systemic hemodynamic and regional blood flow changes in response to chronic reductions in uterine perfusion pressure in pregnant rats. *FASEB Journal*, 475:2004
230. Sedeek M.H., B.T. Alexander, M.M. Sholook, D.L. Chandler, S.R. Abram and J.P. Granger. Renal cortical HADPH oxidase and superoxide dismutase activity in response to reduced uterine perfusion pressure in pregnant rats. *FASEB Journal*, 475:2004
231. LaMarca B.B., G. Gadonski, K. Cockrell, E. Sullivan and J.P. Granger. Endothelin type A receptor blockade attenuates TNF alpha-induced hypertension in pregnant rats. *FASEB Journal*, 475:2004
232. Gadonski G., B. LaMarca, W. Bennett and J.P. Granger. Physiological elevations in plasma levels of interleukin-6 increase arterial pressure in pregnant rats. *FASEB Journal*, 475:2004
233. Granger J.P., A.N. Rinewalt, M.T. Llinas and B.T. Alexander. Effects of hypercholesterolemia on the blood pressure response to reductions in uterine perfusion pressure in pregnant rats. *FASEB Journal*, 475:2004

234. Abram S.R., M.H. Sedeek, D.L. Chandler and J.P. Granger. Renal medullary blockade of endothelin type B receptors produces hypertension in rats on a high sodium diet. *FASEB Journal*, 475:2004
235. Chandler D.L., B. LaMarca, M. Sedeek, S. Abram and J.P. Granger. TNF $\alpha$ -induced stimulation of endothelin production by endothelial cells is attenuated by potassium. *FASEB Journal*, 475:2004
236. Klett C.P., D. Anderson, J.P. Granger. Anti-sense oligodeoxynucleotides directed against a novel angiotensinogen mRNA stabilizing protein reduce blood pressure in spontaneously hypertensive rats. *Hypertension*, 42(3): 413, 2003.
237. Sedeek M.H., M. M. Sholook, M. E. Sullivan, D.L. Chandler, S.R. Abram and J.P. Granger. Oxidative stress mediates hypertension in a rat model of preeclampsia. *Hypertension*, 42(3): 440, 2003.
238. Sedeek M.H., Yuping Wang , Joey P. Granger. Increased oxidative stress in a rat model of preeclampsia. *Am.J. Hypertension*. 17(5): S142, 2004
239. Chandler, D.L, B. B. LaMarca, K. Cockrell, J.P. Granger. Increases in dietary potassium intake decreases proteinuria and blood pressure in Dahl S rats. *Faseb J*. 19(5):A1149, 2005.
240. Klett, C.P., M. Sholook, D. Anderson, J.P. Granger. Anti-sense inhibition of a polysomal RNA stabilizing protein decreases blood pressure by inhibiting the renin angiotensin system in spontaneously hypertensive rats (SHR). *Hypertension*. 44(4):502, 2004.
241. Gu, J., G. Gadonski, J.P. Granger. Exercise training reduces blood pressure in LDLR gene-knockout (-/-) mice. *Hypertension*. 44(4):507, 2004.
242. Joyner, J., L.A. Neves, J.P. Granger., B.T. Alexander, D.C. Merrill, C.M.Ferrario, K.B. Brosnihan. Temporal-spatial expression of ACE2 and Ang-(1-7) in the kidney of normal and RUPP pregnant rats. *Hypertension*. 44(4):528, 2004.
243. Sedeek, M.H., M.M. Sholook, B.B. LaMarca, J.P. Granger. TNF alpha-induced hypertension in pregnant rats is blocked by the superoxide dismutase mimetic, tempol. *Hypertension*. 44(4):551, 2004.
244. Loria, A., F. Salazar, J.P. Granger, F.J. Salazar, M.T. Llinás. Enhanced renal COX-2 expression during pregnancy is not involved in the regulation of renal Hemodynamics in mid-pregnant rats. *Faseb J*. 19(5):A1150, 2005.
245. Roberts, L., B.B. LaMarca, J. Bain, J.P. Granger. TNF alpha-induced endothelin production by endothelial cells: Influence of estrogen and progesterone. *Faseb J*. 19(5):A1596, 2005.
246. LaMarca, B.B., L. Roberts, K. Cockrell, J. C. Bain, J.P. Granger. Hypertension produced by chronic reductions in uterine perfusion pressure in the pregnant rat is associated with enhanced production of TNF alpha and IL-6. *Faseb J*. 19(5):A1598, 2005.
247. Rose Carl, Briery Christian, Klauser Chad, Bennett William, Wyatt-Ashmead Josephine, Cockrell Kathy, Morrison John, Martin James Jr, Granger Joey. Timing of biochemical fetal brain injury following intrauterine infection. *Am J Obstet Gynecol*. 2004; 191:S55.

248. Rodts-Palenik Sheryl, Pang Yi, Thigpen Brad, Cai Zhengwei, Rhoses Phillip, Martin James Jr., Granger Joey, Bennett William. Maternal infection-induced white matter injury is reduced by treatment with interleukin-10. *Am J Obstet Gynecol.* 2003; 189:S67 .
249. Rose Carl, Bennett William, Thigpen Brad, Cockrell Kathy, Morrison John, Martin James Jr., Granger Joey. Effects of repeated steroid dosing protocols in a rat model of preeclampsia. *Am J Obster Gynecol.* 2003; 189:S94.
250. Gutkowska J. , J. P Granger, B. Lamarca, L. Coderre, A. Pelletier, M. Gangal, M., Jankowski Cardiac Hypertrophy and Cardiac Insulin Responsive Amino-Peptidase (IRAP) in the Reduced Uterine Perfusion (RUPP) Model of Preeclampsia. *Hypertension* 2005 46: 841
251. Ryan MJ, G.R. McLemore, Jr., K. L. Cockrell, B. B LaMarca, J. P Granger. TNF-alpha Mediated Changes in Vascular Reactivity are Attenuated by Progesterone and Estrogen in Ovariectomized Rats. *Hypertension* 2005 46: 841
252. LaMarca BB, L. Grubbs, J. Bain, K.Cockrell, M J Ryan, JPGranger. Role of Estrogen and Progesterone in Modulating Tumor Necrosis Factor Alpha-induced Increases in Blood Pressure in Pregnant Rats . *Hypertension* 2005 46: 875
253. Roberts LK, B B LaMarca, L. Fournier, J. Bain, K.Cockrell, J. P Granger. Angiotensin Type 1 Receptor Activation Mediates Endothelin Production. Induced by Serum From Pregnant Rats Exposed to Chronic Reductions in Uterine Perfusion. *Hypertension* 2005 46: 883
254. LaMarca B., J. Speed, L. Fournier, K. Cockrell, and J.P. Granger. Hypertension in response to chronic reductions in uterine perfusion in pregnant rats: effect of Il-6 blockade. *FASEB J.* 2006
255. Pinhera da Costa, B., B. La Marca, L. Fournier, F. Bisinella, G. Gadonski, C. Ploi de Figueiredo, J. P. Granger. Maternal Plasma and Placental Cytokine Profile in Preeclampsia. *Journal of Clinical Hypertension* 8(5): A67, 2006
256. Jernigan NK, K L Cockrell, J Speed, J P Granger, H A Drummond. Dietary Sodium Enhances the Benzamil Sensitive Component of Myogenic Constriction in Mesenteric Vessels. *Hypertension* 48:(4); e102, 2006
257. LaMarca BB, BE Pinheiro da Costa, L Fournier, K Hoffmann, G Gadonski, Poli de Figueiredo; and JP Granger. Maternal Plasma and Placental Cytokine Profile in Hypertensive Preeclamptic Women. *Hypertension* 48:(4); e49, 2006
258. LaMarca, BB, J Speed, L. Fournier, K. Cockrell, J P Granger; Angiotensin Ii Type I Receptor Blockade Prevents Interleukin (IL-6)-Induced Hypertension in the Pregnant Rat. *Hypertension* 48:(4); e47, 2006
259. Dechend R., M. Llinas, S. Caluwaerts,; F. Herse, , B. Lamarca,; D N Muller,; R. Pijnenborg, G. Wallukat,; J.P. Agonistic Autoantibodies to the AT1 Receptor in Rat Models of Preeclampsia: Induced by Chronic Reductions in Uterine Perfusion Pressure (RUPP) and Low Dose TNFalpha Infusion. Granger. *Hypertension* 48:(4); e35, 2006

260. LaMarca BBD, Josh Speed, Lillian Fournier, Kathy Cockrell, D Chandler and Joey P. Granger. The Role Angiotensin II Type I receptor activation in mediating TNF alpha-induced hypertension in the pregnant rat. *The FASEB Journal*, 618.11, A 592; 2007
261. Gilbert J. , Matt Dukes, Sara Babcock, Kathy Cockrell, Babbette LaMarca, Joey Granger. Effects of reduced uterine perfusion pressure on blood pressure and metabolic factors in the pregnant rat. *The FASEB Journal*. 754.9, A 895, 2007.
262. Gilbert JS, Karumanchi SA, Fournier L, Cockrell K, Granger JP. Vascular endothelial growth factor decreases blood pressure in hypertensive pregnant rats. *FASEB J*, Mar 2008; 22: 969.2
263. Colson D, Gilbert JS, Bridges J, Dukes M, Babcock SA, Ryan MJ, Granger JP. Oxidative stress mediates soluble Flt-1 induced vascular dysfunction in pregnant rats. *FASEB J*, Mar 2008; 22: 969.7.
264. Bridges J, Gilbert JS, Colson D, Dukes M, Babcock SA, Ryan MJ, Granger JP. Soluble Flt-1 induces vascular dysfunction and reduces fetoplacental weight in pregnant rats. *FASEB J*, Mar 2008; 22: 969.3
265. Gilbert JS , SA Babcock, BB LaMarca, K Cockrell, JP Granger. Hypertension produced by reduced uterine perfusion pressure is associated with increased soluble sFlt-1 expression. *Hypertension* 2007;50(4):E108.
266. LaMarca B, Speed J, Babcock S, Berry H, Cockrell K, Gilbert JS, Granger JP. Hypertension in response to chronic reductions in uterine perfusion in pregnant rats: Effect of TNF-alpha blockade. *Hypertension* 2007;50(4):E108
267. Dukes MP, L Roberts, BB LaMarca, JS Gilbert, and JP Granger The ischemic placenta of pregnant rats elaborates factors that inhibit endothelial tube formation *FASEB J*, Mar 2008; 22: 969.8.
268. Murphy SR, BB LaMarca, E LaMarca, K Cockrell, J Gilbert, and JP. Granger Soluble fms-like tyrosine-1 (sFlt-1) production in response to placental ischemia and hypoxia in placenta of pregnant rats *FASEB J*, Mar 2008; 22: 969.19
269. Speed JS, BB Lamarca, LM Fournier, KCockrell, and JP Granger. Renal Endothelin Production is Blunted in the Dahl Salt Sensitive Rat *FASEB J*, Mar 2008; 22: 969.21
270. Gilbert JS, SA Babcock, M. Arany, JP Granger. Hypertension Produced by Reduced Uterine Perfusion in Pregnant Rats Is Associated with Increased Soluble Endoglin. *Hypertension* 52 (4): e45., 2008
271. Murphy SR, BB LaMarca, K Cockrell, JP Granger Placental Angiotensin II and Soluble fms-Like Tyrosine-1 Production Increase in Response to Reductions in Uterine Perfusion Pressure. *Hypertension* 52 (4): e92, 2008
272. Verzwuyvelt JD, JS Gilbert, D Colson, M Arany, M J Ryan, and J P Granger Vascular Endothelial Growth Factor Improves Renal and Endothelial Function, and Normalizes Blood Pressure in Hypertensive Pregnant Rats. *FASEB J*, Apr 2009; 23: 969.9. PMC Journal – In Process



273. TamTam K, B LaMarca, S Murphey, M Arany, N M Lee, L Fournier-Ray, K Cockrell, and J P Granger . Hypertension in response to chronic sflt-1 excess during pregnancy: role of reactive oxygen species. *Faseb j*, Apr 2009; 23: 805.1.
274. Murphy SR, B LaMarca, J Speed, S Keiser, K Cockrell, and J Granger Soluble fms-like tyrosine-1 (sFlt-1) is enhanced in response to chronic tumor necrosis factor- alpha excess during pregnancy. *FASEB J*, Apr 2009; 23: 805.4 S.
275. Murphy, BB LaMarca, K Cockrell, JP Granger;Hypertension in Response to Soluble FMS-Like Tyrosine Kinase-1 During Pregnancy: Role of Endothelin-1 Hypertension, Oct 2009; 54: e35.
276. Speed,J., L Fournier, K Cockrell, R Dechend, J Granger, and B Lamarca. IL-6 induced hypertension in pregnant rats is associated with agonistic autoantibodies to the angiotensin II type I receptor *FASEB J*, Apr 2009; 23: 805.3.
277. Murphy S. , K. Cockrell, and J. P. Granger. L-Arginine supplementation abolishes the blood pressure and endothelin response to chronic increases in plasma sFlt-1 in pregnant rats *FASEB J*, Apr 2010; 24: 1041.9.
278. Ryan,MJ., E. L Gilbert, P. H Glover, B.B. LaMarca, and J. P. Granger Reduced Uterine Perfusion Pressure in Pregnant Rats Impairs Cerebral Vascular Myogenic Responses. *FASEB J*, Apr 2010; 24: 1041.10
279. George,EM, J. P Granger, and T. H Adair Regulation of sFlt-1 and VEGF secretion by adenosine receptor signaling in rat placental villous explants. *FASEB J*, Apr 2010; 24: 1041.11
280. George EM, K Cockrell, M Arany, E Csongradi, DE Stec, J P Granger. Induction of Heme Oxygenase-1 Attenuates Placental Ischemia-Induced Hypertension. *Hypertension* 2010;56:e90
281. D Colson, J Dixon, EM George, and JP Granger Heme oxygenase-1 attenuates hypoxia-induced superoxide production in placental villi *FASEB J*, Apr 2011; 25: 836.9
282. Speed J, M Arany, K Cockrell, and JP Granger Chronic intramedullary infusion of endothelin-1 blunts Dahl salt sensitive hypertension. *FASEB J*, Apr 2011; 25: 822.9.
283. George EM, K Cockrell, M Arany, DE Stec, and JP Granger Heme oxygenase-1 induction attenuates sFlt-1 induced hypertension in pregnant rats. *FASEB J*, Apr 2011; 25: 836.7.
284. Speed J, M Arany, K Cockrell, C Purser, R Baker, RJRoman, and JP Granger Chronic inhibition of medullary ET-B receptors attenuates elevations in 20-HETE associated with increasing sodium intake. *FASEB J*, Apr 2011; 25: 1079.10
285. George EM, M Arany, DE Stec, JP Granger. Heme Oxygenase-1 Negatively Regulates sFlt-1 Production in Placental Villi by its Metabolic Byproducts Carbon Monoxide and Bilirubin. *Hypertension* 2011, 58:e40, 2011
286. Palei AC, VC Sandrim, LM Amaral, JS Machado,RC Cavalli, RF Gerlach, JE Tanus-Santos, JP Granger. Association between Matrix Metalloproteinase (MMP)-2 Polymorphisms and Plasma MMP-2 Levels in Hypertensive Disorders of Pregnancy. *Hypertension* 2011, 58:e172, 2011

287. George EM, K Cockrell, M Arany, and JP Granger. Sildenafil Administration Attenuates Placental Ischemia and sFlt-1 Induced Hypertension in Pregnant Rats. *FASEB J*, Apr 2012; 26: 1097.5.
288. Palei A, EM George, K Cockrell, M Arany, and JP Granger. Hyperinsulinemia increases blood pressure and pup weight in pregnant rats *FASEB J*, Apr 2012; 26: 1097.6.
289. George EM and JP Granger. Transcriptomic analysis of placental chorionic villi during placental ischemia-induced hypertension. *Hypertension*, Sep 2012; 60: A203.
290. George EM, FT Spradley, and JP Granger. Inhibition of heme oxygenase-1 (HO-1) induces mild hypertension in pregnant rats. *Hypertension*, Sep 2012; 60: A211.
291. Palei AC, EM. George, K Cockrell, M Arany and JP. Granger. Hyperleptinemia Increases Blood Pressure and Decreases Pup Weight in Pregnant Rats. *Hypertension*, Sep 2012; 60: A206.
292. Spradley FT, AT. Palei, MJ. Ryan, JP Granger. Effect of a high-fat diet on endothelial function in pregnant rats. *Hypertension*, Sep 2012; 60: A212.
293. Warrington JP, EM. George, MJ Ryan, HA Drummond, JP Granger. Hemeoxygenase-1 Induction Restores Beta ENaC Expression in Ischemic Placentas. *Hypertension*, Sep 2012; 60: A209.
294. Palei AC, FT Spradley, M Arany, K Cockrell, and JP Granger Effect of high-fat diet (HFD) on blood pressure and placental levels of tumor necrosis factor (TNF)- $\alpha$  and soluble fms-like tyrosine kinase (sFlt)-1 in pregnant rats *FASEB J*, Apr 2013; 27: 907.10
295. Warrington JP, MJ Ryan, HA Drummond, FT Spradley, and JP Granger. Tumor Necrosis Factor induces cerebral edema and increased cerebrovascular permeability in normal pregnant rats. *FASEB J*, Apr 2013; 27: 907.9.
296. Spradley FT, AC Palei, and JP Granger Effect of high-fat diet (HFD) on resistance artery function in normal pregnant rats. *FASEB J*, Apr 2013; 27: 1114.5.
297. George EM, M Arany, K Cockrell, DE Stec, and JP Granger Heme oxygenase-1 induction attenuates TNF- $\alpha$  induced hypertension in pregnant rats. *FASEB J*, Apr 2013; 27: 907.2
298. Spradley FT, AC Palei, JP Granger Enhanced Vasorelaxation Response of Resistance Arteries From Obese Mc4r Deficient Pregnant Rats. *Hypertension*, Sep 2013; 62: A278.
299. Palei AC, FT Spradley, JP Granger. Hypoxia-Induced sFlt-1 Production is Enhanced in Placental Villi from Obese MC4R Deficient Rats. *Hypertension*, Sep 2013; 62: A625
300. Warrington JP, EM George, DE Stec, MJ Ryan, JP Granger, Heather A Drummond HO-1 Induction Increases  $\beta$ ENaC in Ischemic Placentas and Cultured Cytotrophoblasts. *Hypertension*, Sep 2013; 62: A281
301. Intapad S., JWarrington, F Spradley, A Palei, H Drummond, M Ryan, JP Granger, and B Alexander . A reduction in uterine perfusion pressure induces hypertension during pregnancy in the mouse. *FASEB J*, Apr 2014; 28: 1084.5
302. Warrington JP, H Drummond, M Ryan, and J Granger The role of TNF alpha in placental ischemia-induced cerebrovascular abnormalities *FASEB J*, Apr 2014; 28: 1084.6

303. Eric George, David Stec, and Joey Grange Co-releasing molecules attenuate placental ischemia-induced hypertension in pregnant rats. *FASEB J*, Apr 2014; 28: 1084.4
304. Spradley F, A Palei, and J Granger Obese melanocortin-4 receptor-deficient rats exhibit attenuated adrenergic vasoconstriction *FASEB J*, Apr 2014; 28: 1084.2.
305. Palei AC, FT Spradley, and JP Granger. The Effects of a High-Fat Diet (HFD) on Blood Pressure in Pregnant Rats. *Hypertension*, Sep 2014; 64: A667
306. EM George, DE Stec, and JP Granger Protective Effects Of Bilirubin Administration On Placental Ischemia-induced Hypertension. *Hypertension*, Sep 2014; 64: A581.
307. FT Spradley, AC Palei, and JP Granger. Reduced Uterine Perfusion Pressure (RUPP) Elicits Increased sFlt-1 Levels Not Only In The Placenta But Also Adipose Tissue Hypertension, Sep 2014; 64: A289
308. Warrington P, Fan F, S Murphy, RRoman, HDrummond, J Granger, and MRyan. Placental Ischemia Impairs Cerebral Blood Flow Autoregulation and Increases Blood-Brain Barrier Permeability in Pregnant Rats *FASEB J*, Apr 2015; 29: 646.7.
309. George E and J Granger. Daily Inhaled Low-Dose Carbon Monoxide Does Not Improve Hypertension Associated with Placental Ischemia *FASEB J*, Apr 2015; 29: 810.13
310. Spradley F, A Palei, and J Granger Melanocortin-4 Receptor (MC4R) Deficiency Promotes Increases in High-Fat Diet-Induced Body Weight Gain And Visceral Fat, but Not Hypertension, during Pregnancy *FASEB J*, Apr 2015; 29: 811.22.
311. Palei, A. E Dent, F Spradley, and J Granger The Effects of Serum from Obese Pregnant Rats on Hypoxia-Induced Placental sFlt-1 Release *FASEB J*, Apr 2015; 29: 810.11.
312. Warrington JP, FFan, BB LaMarca, R Dechend, G Wallukat, RJ Roman, HA Drummond, JP Granger, and MJ Ryan Agonistic Autoantibodies to Angiotensin II Type I Receptor Contributes Partly to Placental Ischemia-induced Cerebrovascular Abnormalities. *Hypertension*, Sep 2015; 66: A127.
313. Spradley FT, AY Tan, WS Joo, G Daniels, P Kussie, S A Karumanchi, and JP Granger Placental Growth Factor Supplementation Abolishes Placental Ischemia-induced Hypertension. *Hypertension*, Sep 2015; 66: A038.
314. Palei AC, FT Spradley, and J P Granger The Effect of Metabolic Factors on Hypoxia-Induced sFlt-1 Secretion in Rat Placental Villi. *Hypertension*, Sep 2015; 66: AP613.
315. Spradley FT, AC Palei, and JP Granger Effects of Obesity on Placental Ischemia-induced Hypertension. *Hypertension*, Sep 2015; 66: AP095.
316. Bakrania B, FT Spradley, S Satchell, DE Stec, and JP Granger Heme Oxygenase-1 Attenuates the Production of Endothelin-1 from Human Glomerular Endothelial Cells Induced by Serum from Placental Ischemic Hypertensive Rats. *FASEB J*, Apr 2016; 30: 1214.7

317. Robinson T, EE Gillis, MR Garrett, E George, JP Granger, and JM Sasser Soluble guanylyl cyclase (sGC) stimulators and activators decrease blood pressure and proteinuria in a rat model of preeclampsia. *FASEB J*, Apr 2016; 30: 1212.5.
318. Warrington JP, JP Granger, MJ Ryan, and HA Drummond. Reductions in  $\beta$ ENaC and ASIC2 Induce Preeclampsia-Like Symptoms in Pregnant Mice. *FASEB J*, Apr 2016; 30: 1214.9.
319. Palei AC, JP Warrington, and JP. Granger The Effect of Placental Ischemia-Induced Hypertension on Circulating Copeptin Levels of Pregnant Rats. *FASEB J*, Apr 2016; 30: 1b765
320. Spradley FT, AY Tan, WS Joo, G Daniels, P Kussie, S A Karumanchi, and JP Granger. Placental growth factor administration prevents hypertension, increased sFlt-1 levels and reduced glomerular filtration rate responses to placental ischemia. *FASEB J*, Apr 2016; 30: 1214.8
321. Spradley FT, JP Granger. Adrenergic Receptor Blockade Prevents Placental Ischemia-induced Hypertension. *Hypertension*. 2016;68:A132
322. Palei AC, JM Sasser, JP Granger. Sildenafil Treatment Improves Placental Levels of Placental Growth Factor in the Dahl Salt-Sensitive Pregnant Rat Model of Superimposed Preeclampsia. *Hypertension*. 2016;68:AP639
323. Bakrania BB, FT Spradley, S Satchell, JP Granger. Soluble Guanylate Cyclase Activator Attenuates Tumor Necrosis Factor-  $\alpha$  Induced Production of Endothelin-1 from Human Glomerular Endothelial Cells. *Hypertension*. 2016;68:AP175
324. RO Maranon, C Dalmaso, FT Spradley, JP Granger, LA Juncos, JF Reckelhoff. Melanocortin 4 Receptor is Required for the Effect of Testosterone Supplement on Metabolic Parameters and Blood Pressure. *Hypertension*. 2016;68:AP133
325. Maeda KJ, JP Warrington, J Duncan, JP Granger, MR Garrett, MJ Ryan, JM Sasser. Cerebral Edema and Blood Brain Barrier Dysfunction in the Dahl S Rat Model of Superimposed Preeclampsia *FASEB J* April 2017 31:1b857
326. Spradley FT and JP Granger. Obese Melanocortin-4 Receptor (MC4R)-Deficient Pregnant Rats Have Increased Blood Pressure With Reduced Circulating Placental Growth Factor Levels *FASEB J* April 2017 31:1033.4
327. Bakrania and JP Granger. Impact of placental ischemia on cardiac structure and function during pregnancy and Post-Partum *FASEB J* April 2017 31:851.4
328. Warrington JP, FT Spradley, AR Chade, MJ Ryan, JP Granger, HA Drummond.  $\beta$ ENaC is Required for Placental Vascular Remodeling in Mice *FASEB J* April 2017 31:1034.1
329. Duncan JW, JP warrington, MJ Ryan, JP Granger, HA Drummond. TNF $\alpha$  and IL-17 downregulates  $\beta$ ENaC expression and reduces migration in vascular smooth muscle cells *FASEB J* April 2017 31:851.2
330. Dent EA, FT Spradley, JP Granger. Endothelin receptor type B (ETB)-deficient pregnant rats have exaggerated placental ischemia-induced hypertension *FASEB J* April 2017 31:851.8

**Invited Seminars and Symposia**

1. "Role of Renal Interstitial Hydrostatic Pressure in Controlling Sodium Excretion"  
Department of Physiology  
University of South Alabama School of Medicine  
Mobile, Alabama  
December, 1983
2. "Mechanisms of Escape from the Sodium Retaining Effects of Aldosterone"  
Department of Physiology  
Tulane University School of Medicine  
New Orleans, Louisiana  
March, 1985
3. "An Integrated Analysis of Mechanisms of Sodium Balance during Chronic Aldosterone Excess"  
Department of Physiology  
Eastern Virginia Medical School  
Norfolk, Virginia  
February, 1986
4. "An Integrated Analysis of Mechanisms of Sodium Balance during Chronic Aldosterone Excess"  
Department of Physiology  
Georgetown University School of Medicine  
Washington, D.C.  
May, 1986
5. "Role of Renal Interstitial Hydrostatic Pressure in the Regulation of Sodium Excretion"  
Symposium on Arterial Pressure and Body Fluid Homeostasis  
FASEB  
Washington, D.C.  
1986
6. "Atrial Natriuretic Factor in Volume Homeostasis"  
Department of Internal Medicine  
VA Medical Center  
Hampton, Virginia  
April, 1988
7. "Chronic Hypotensive and Renal Actions of Atrial Natriuretic Factor in Normal and Hypertensive Animals"  
Symposium on Long-term Actions of Atrial Natriuretic Factor  
FASEB  
New Orleans, Louisiana  
April, 1989

8. "Role of ANF in Volume and Pressure Regulation"  
Bowditch Lecturer  
American Physiological Society  
Rochester, Minnesota  
October, 1989
  
9. "Role of ANF in Volume and Pressure Regulation"  
Department of Pharmacology  
Glaxo Pharmaceuticals  
Durham, North Carolina  
July, 1989
  
10. "Role of ANF in Volume and Pressure Regulation"  
Department of Physiology  
University of Mississippi Medical Center  
Jackson, Mississippi  
October, 1989
  
11. "Role of ANF in Volume and Pressure Regulation"  
Department of Physiology  
Tulane University School of Medicine  
New Orleans, Louisiana  
December, 1989
  
12. "Role of ANF in Volume and Pressure Regulation"  
Department of Nephrology  
U.S. Naval Hospital  
Portsmouth, Virginia  
April, 1990
  
13. "Regulation of Sodium Balance"  
Department of Nephrology  
U.S. Naval Hospital  
Portsmouth, Virginia  
May, 1990
  
14. "Mechanism of Pressure Natriuresis" The Kidney, Obesity and Essential Hypertension Symposium  
The University of Mississippi Medical Center  
Jackson, Mississippi  
March, 1991
  
15. "Renal Physiology"  
Invited Lecturer  
Eastern Virginia Medical School

Norfolk, Virginia  
March, 1991

16. "Role of Kidneys in Obesity-Related Hypertension"  
Department of Physiology & Biophysics  
Mayo Medical School  
Rochester, Minnesota  
September, 1991
17. "Role of the Kidneys in Obesity-Related Hypertension"  
Pennington Research Institute  
Louisiana State University  
October, 1991
18. "Role of the Kidneys in Obesity-Related Hypertension"  
Abbott Research Laboratories  
Abbott Park, Illinois  
November, 1991
19. "Renal Control of Water and Electrolyte Balance"  
Department of Physiology  
Eastern Virginia Medical School  
Norfolk, Virginia  
March, 1992
20. "Control of Sodium Excretion by Renal Interstitial Hydrostatic Pressure"  
Symposium on Integrated Response to Increases in Sodium Intake  
FASEB  
Los Angeles, California  
March, 1992
21. "Pressure-Natriuresis: Mechanism of Action"  
Department of Physiology  
University of Murcia  
Murcia, Spain  
June, 1992
22. "Pressure-Natriuresis: Role of Renal Interstitial Pressure"  
Symposium on Renal Hemodynamics  
APS Summer Conference  
Saxton Rivers, Vermont  
June, 1992
23. "American Heart Association and Cardiovascular Research"  
Guest Lecturer  
Mississippi Heart Association Annual Board Meeting  
Jackson, Mississippi  
August, 1992

24. "Role of Endothelin in Cardiovascular/Renal Diseases"  
Department of Cardiovascular Pharmacology  
Parke-Davis  
Ann Arbor, Michigan  
March, 1993
  
25. "Control of Na and Water Balance"  
Department of Physiology  
Eastern Virginia Medical School  
Norfolk, Virginia  
March, 1993
  
26. "The Endothelium, Kidney, and Hypertension"  
Regulatory and Integrative Physiology Award Lecture  
American Physiological Society  
Experimental Biology  
New Orleans, Louisiana  
March, 1993
  
27. "The Endothelium, Kidney, and Hypertension"  
Role of Nitric Oxide in Cardiovascular Regulation Symposium  
Canadian Society of Hypertension and Society of Nephrology  
Vancouver, Canada  
September, 1993
  
28. "The Endothelium, Kidney, and Hypertension"  
Department of Physiology  
Eastern Virginia Medical School  
Norfolk, Virginia  
March, 1994
  
29. "Medical Renal Physiology Lectures"  
Invited Lecturer  
Department of Physiology  
Eastern Virginia Medical School  
Norfolk, Virginia  
March, 1994
  
30. "Pathophysiologic Role of Endothelin in Long-Term Control of Cardiovascular/Renal Function"  
Symposium on Pathophysiologic Role of Endothelin  
Experimental Biology '94 Meeting  
Anaheim, California  
April, 1994
  
31. "Career Opportunities in Physiology"  
Career Opportunities in Physiology Symposium



Experimental Biology '94 Meeting  
Anaheim, California  
April, 1994

32. "So, You Want to be a Scientist!"  
Careers in Physiology Workshop  
Experimental Biology '94 Meeting  
Anaheim, California  
April, 1994
33. "The Kidney, Nitric Oxide, and Hypertension"  
Invited Lecturer  
Department of Physiology and Biophysics  
Tulane University School of Medicine  
New Orleans, Louisiana  
May, 1994
34. "The Kidney, Endothelin, and Hypertension"  
Invited Lecturer  
Department of Physiology and Biophysics  
Mayo Clinic and Foundation  
Rochester, Minnesota  
October 3, 1994
35. "The Kidney, Endothelin, and Hypertension"  
Invited Lecturer  
Department of Physiology  
Texas A & M School of Medicine  
College Station, Texas  
December 6, 1994
36. "Career Opportunities in Physiology"  
Career Opportunities in Physiology  
Experimental Biology 1995  
Atlanta, Georgia  
April 9, 1995
37. "The Kidney, Nitric Oxide, and Hypertension"  
Role of NO in Renal Vascular and Tubular Interactions  
Experimental Biology 1995  
Atlanta, Georgia  
April 10, 1995
38. "So You Want to Be a Scientist"  
Careers in Physiology Workshop  
Experimental Biology 1995  
Atlanta, Georgia  
April 11, 1995

39. "Endothelin, Kidney Function, and Hypertension"  
FASEB Renal Hemodynamics Summer Conference  
Saxton River, Vermont  
June 16, 1995
40. "Role of Endothelial Factors in Blood Pressure Regulation"  
Hypertension Summer School  
Portsmouth, New Hampshire  
August 5-10, 1995
41. "Nitric Oxide, Kidney, and Hypertension"  
Consortium of Southeastern Hypertension Centers  
Charleston, South Carolina  
August 25, 19
42. "Role of Endothelin in Hypertension"  
Postgraduate Symposium  
American Heart Association  
Anaheim, CA  
November 13, 1995
43. "Role of Endothelin in Hypertension"  
American Society of Hypertension  
New York, NY  
May 16, 1996
44. "Role of Endothelin in Hypertension"  
University of Valencia School of Medicine  
Valencia, Spain  
February, 1997
45. "Mechanisms of Pregnancy-Induced Hypertension"  
University of Murcia School of Medicine  
Murcia, Spain  
February, 1997
46. "Endothelin, the Kidney, and Hypertension"  
Endothelial Control of Kidney Function Symposium  
Joint APS-SPS Meeting  
Malaga, Spain  
February, 1997
47. "Role of the Kidneys in Arterial Pressure Regulation"  
Symposium on the Kidney and Pressure Regulation  
SUNY-Buffalo School of Medicine  
Buffalo, NY  
February, 1997

48. "Role of Endothelin in Hypertension"  
Review Lecture  
InterAmerican Society of Hypertension  
Mexico City, Mexico  
March, 1997
49. "Pregnancy, the Kidney, and Hypertension"  
Dept. of OB/GYN  
University of Mississippi Medical Center  
October, 1997
50. "Role of Nitric Oxide in Volume and Arterial Pressure Regulation"  
Invited Lecture  
American Society of Nephrology  
San Antonio, TX  
November, 1997
51. "Role of Endothelin in the Progression of Hypertension-Induced Organ Injury"  
Hypertension and Heart Failure Symposium  
American Heart Association  
Orlando, FL  
November, 1997
52. "Nitric Oxide, the Kidney, and Hypertension"  
Invited Lecture  
Argentina Society of Hypertension  
Tucuman, Argentina  
November, 1997
53. "Pregnancy, the Kidney, and Hypertension"  
Invited Lecture  
Argentina-Society of Hypertension  
Tucuman, Argentina  
November, 1997
54. "Role of the Renal Sympathetic Nervous System in Obesity"  
Invited Lecture  
Argentina-Society of Hypertension  
Tucuman, Argentina  
November, 1997
55. "Role of Endothelin in Hypertension"  
Invited Lecture  
Department of Surgery  
University of Maryland  
April, 1998
56. "Nitric Oxide, the Kidney, and Hypertension"  
Invited Lecture

Department of Physiology  
University of Maryland  
April, 1998

57. "Role of Endothelin in Hypertension"  
FASEB Summer Conference  
Saxton Rivers, Vermont  
June, 1998
58. "Role of Endothelial Factors in Hypertension"  
APS Fall Conference  
Endothelial Factors: Molecules to Integrative Physiology  
Augusta, Georgia  
Sept, 1998
59. "Mechanisms of Pregnancy-Induced Hypertension"  
Department of Physiology  
University of Texas-San Antonio  
San Antonio, Texas  
October, 1998
60. "Role of Nitric Oxide in Hypertension"  
Department of Physiology  
Medical College of Georgia  
Augusta, GA  
October, 1998
61. "Cardiovascular-Renal Mechanisms of Preeclampsia"  
Symposium of the Inter-American Society of Hypertension  
Buenos Aires, Argentina  
May, 1999
62. "Nitric Oxide, the Kidney, and Hypertension"  
Symposium of Nitric Oxide  
Uppsala, Sweden  
June, 1999
63. "Role of Endothelin in Hypertension"  
Hypertension Summer School  
Boulder, Colorado  
July, 1999
64. "Mechanisms of Pregnancy-Induced Hypertension"  
Hypertension Summer School  
Boulder, Colorado  
July, 1999

65. "Role of Endothelial Factors in Pregnancy-Induced Hypertension"  
North American Society for the Study of Hypertension in Pregnancy  
Winston-Salem, North Carolina  
July, 1999
66. Cardiovascular-Renal Mechanisms of Pregnancy-Induced hypertension  
Dept of Molecular Physiology  
University of Cincinnati School of Medicine  
Cincinnati Ohio  
December, 1999
67. "Role of Endothelial Dysfunction in Pregnancy-induced Hypertension"  
Georgetown Hypertension Investigators Meeting  
Amelia Island, Florida  
January, 2000
- 68 "Pathophysiology of Pregnancy-induced Hypertension"  
Mexican Society of Hypertension  
Mexico City  
April, 2000
- 69 "Role of Endothelial Dysfunction in Pregnancy-induced Hypertension"  
American Society of Hypertension  
New York, NY  
May 19, 2000
70. Pathophysiology of Pregnancy-induced Hypertension"  
Smith Kline Beecham Corp.  
Philadelphia, PA  
June, 2000
71. Endothelial Factors and Salt-Sensitive Hypertension  
Joint Scandinavian and American Physiological Society Meeting  
Stockholm, Sweden  
August, 2000
72. Pathophysiology of Pregnancy-induced Hypertension  
Jackson-Cardiovascular Renal Meeting  
Jackson, MS  
November, 2000
73. Pathophysiology of Pregnancy-induced Hypertension  
Consortium of Southeastern Hypertension Centers  
Savannah, Georgia  
December 2000
74. Cardiovascular-Renal Mechanisms of Pregnancy-induced Hypertension

Dept of Physiology  
University of Murcia School of Medicine  
Murcia Spain  
March 2001

75. Renal Mechanisms of Angiotensin-induced Hypertension  
Spanish Society of Hypertension  
Malaga, Spain  
March 2001
76. Cardiovascular-Renal Mechanisms of Pregnancy-induced Hypertension  
State-of the Art Lecture:  
Inter-American Society of Hypertension  
Santiago, Chile  
March 2001
77. Pathophysiology of Preeclampsia  
FASEB Summer Conference  
Saxtons River,VT  
June 2001
78. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
Dept of Physiology  
LSU Health Sciences Center  
New Orleans,LA  
July 2001
79. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
COSHEC  
Charleston, SC  
August, 2001
80. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
Dept of Physiology, Medical College of Wisconsin  
Milwaukee, WI  
August, 2001
81. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
Department of Pharmacology and Physiology  
University of Houston  
September, 2001
82. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction

Department of Physiology/Division of Hypertension  
Mayo Clinic  
October, 2001

83. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
Eric Muirhead Hypertension Research Day Symposium  
University of Tennessee  
November, 2001
84. Pathophysiology of Hypertension during Preeclampsia:  
Linking Placental Ischemia with Endothelial Dysfunction  
Experimental Biology Symposium  
New Orleans, LA.  
April 2002
85. Role of Endothelin B receptors in controlling sodium balance and arterial pressure  
Experimental Biology Symposium  
New Orleans, LA.  
April 2002
86. Role of Endothelin in Hypertension  
4<sup>th</sup> Hypertension Summer School  
CHBPR, American Heart Association  
July 2002
87. Role of the Kidneys in Long-term Pressure Control  
4<sup>th</sup> Hypertension Summer School  
CHBPR, American Heart Association  
July 2002
88. Pathophysiology of Preeclampsia: Lessons learned from animal models.  
4<sup>th</sup> Hypertension Summer School  
CHBPR, American Heart Association  
July 2002
89. Pathophysiology of Hypertension during Preeclampsia  
2002 L.K. Dahl Memorial Lecture  
American Heart Association  
November 2002
90. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Physiology  
Eastern Virginia School of Medicine  
December 2002
91. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Physiology  
Harvard School of Medicine  
December 2002

92. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Physiology  
University of Mass. School of Medicine  
December 2002
93. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Medicine and Physiology  
University of Alabama –Birmingham School of Medicine  
January 2003
94. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Medicine and Physiology  
Georgetown University School of Medicine  
February 2003
95. Pathophysiology of Hypertension during Preeclampsia  
Dept. of Physiology  
North Texas University School of Osteopathic Medicine  
March 2003
96. Hypertension and Renal Damage  
Mediterranean Cardiovascular Risk factors  
Murcia, Spain  
June 2003
97. Pathophysiology of Hypertension during Preeclampsia  
Vascular Biology Center  
Medical College of Georgia  
September 2003
98. Pathophysiology of Hypertension during Preeclampsia  
Department of Ob/Gyn  
LSUHSC-Shreveport  
October 2003
99. Pathophysiology of Hypertension during Preeclampsia  
Novel Mechanisms in Preeclampsia Symposium  
American Society of Nephrology  
November 2003
100. Role of the Kidneys in Hypertension  
University of Houston  
February 2004
101. Pathophysiology of Hypertension during Preeclampsia  
Magee Womens Hospital  
April 2004
102. The Kidney, Hypertension, and Pregnancy



University of Pittsburgh School of Medicine OB/GYN  
April 2004

103. Arthur C. Guyton Symposium; The Man and His Science  
EB 2004  
April 2004
104. Pathophysiology of Hypertension during Preeclampsia  
Symposium on Womens Issues  
American Society of Hypertension  
May 2004
105. Role of Endothelin B receptors in controlling sodium balance and arterial pressure  
Georgetown University School of Medicine  
Washington, DC  
December 2004
106. Pathophysiology of Hypertension during Preeclampsia  
American Society of Hypertension- Gulf Coast Chapter  
New Orleans, LA.  
February 2005
107. Pathophysiology of Hypertension during Preeclampsia: Role of Inflammatory Cytokines  
Inter American Society of Hypertension  
Cancun, Mexico  
April 2005
108. Pathophysiology of Hypertension during Preeclampsia  
Hypertension Investigators Meeting  
Amelia Island, Florida  
June 2005
109. Pathophysiology of Hypertension during Preeclampsia  
Department of Pharmacology  
Michigan State University  
June 2005
110. Pathophysiology of Hypertension during Preeclampsia  
Department of Nephrology  
Georgetown University  
October 2006
111. Pathophysiology of Hypertension during Preeclampsia  
Alpa Eta Society Distinguished Lecture  
School of Health Related Professions  
University of Mississippi Medical Center  
December 1, 2006

112. Pathophysiology of Hypertension during Preeclampsia  
Department of Pharmacology  
New York Medical College  
December, 2006
113. Pathophysiology of Hypertension during Preeclampsia  
Workshop on Gender and CV diseases  
Council for High Blood Pressure Research  
San Antonio, Texas  
October, 2006
114. Pathophysiology of Hypertension during Preeclampsia  
Department of Pharmacology  
University of Mississippi Medical Center  
December, 2006
115. Pathophysiology of Hypertension during Preeclampsia  
Department of Biochemistry  
University of Texas Health Sciences Center-Houston  
February, 2007
116. Pathophysiology of Hypertension during Preeclampsia: Role of inflammatory cytokines and angiogenic factors  
Inter-American Society of Hypertension  
Miami, FL  
May, 2007
117. Pathophysiology of Hypertension during Preeclampsia: Role of inflammatory cytokines and angiogenic factors  
Alemia Island Hypertension Investigators Meeting  
Amelia Island , FL  
May, 2007
118. Pathophysiology of Hypertension during Preeclampsia: Role of inflammatory cytokines and angiogenic factors  
Toxemia of Pregnancy Conference  
San Francisco, CA  
June, 2007
119. A Peek into Peer Review at NIH  
Hypertension Summer School  
Fort Collins , CO  
July, 2007
120. Pathophysiology of Hypertension during Preeclampsia: Role of inflammatory cytokines and angiogenic factors  
American Physiological Society Conference  
Gender Differences in Cardiovascular-Renal Disease

Austin Texas  
August, 2007

121. Pathophysiology of Hypertension during Preeclampsia  
Department of Physiology  
University of Florida  
March, 2007
121. Role of Endothelin in Control of Sodium Excretion  
Hypertension Center  
University of Florida  
March, 2008
122. Pathophysiology of Hypertension during Preeclampsia  
Mississippi Academy of Sciences  
Olive Branch MS  
February, 2008
123. Pathophysiology of Hypertension during Preeclampsia  
E. H. Starling Distinguished Lecture, American Physiological Society  
EB2008 San Deigo, CA  
April, 2008
124. Bodil Schmidt-Neilson Distinguished Scientist and Mentor Lecture,  
“Mentoring: A Lifelong Experience”  
American Physiological Society  
EB2008 San Deigo  
April, 2008
125. “A Peek at the Peer Review Process at NIH”  
University of Houston School of Pharmacy  
Houston, TX  
May, 2008
126. Pathophysiology of Hypertension during Preeclampsia  
Nebraska Physiological Society  
Omaha, NE  
September, 2008
127. Role of Endothelin in Blood pressure Regulation  
Dept. of Physiological  
University of Nebraska Medcial Center  
Omaha, NE  
September, 2008
128. Pathophysiology of Hypertension during Preeclampsia  
International Society of Hypertension in Preeclampsia  
Washington DC,

September, 2008

129. Spanish Physiological Society  
 Pathophysiology of Hypertension during Preeclampsia  
 Valencia , Spain  
 February, 2009
  
130. University of Oklahoma  
 Pathophysiology of Hypertension during Preeclampsia  
 Norman, OK  
 March, 2009
  
131. Emory University School of Medicine  
 Pathophysiology of Hypertension during Preeclampsia  
 Dept of OB/GYN  
 April 2009
  
132. Emory University School of Medicine  
 Pathophysiology of Hypertension during Preeclampsia: Role of Anti-Angiogenic Factors  
 Physiology Dept  
 April 2009
  
133. Emory University School of Medicine  
 Endothelin, the Kidney, and Hypertension  
 Nephrology and Hypertension  
 April 2009
  
134. University of Maryland School of Medicine  
 Hypertension Center Distinguished Lectureship  
 Pathophysiology of Hypertension during Preeclampsia  
 Hypertension Research Center  
 May, 2009
  
135. Pathophysiology of Hypertension during Preeclampsia  
 National Children's Hospital  
 Washington DC,  
 June, 2009
  
136. Toxemia in Pregnancy Meeting (Tox –Talx)  
 San Francisco, CA  
 June 2009
  
137. Pathophysiology of Hypertension during Preeclampsia  
 Department of Physiology  
 Tulane University School of Medicine  
 New Orleans, LA  
 July, 2009

138. Pathophysiology of Hypertension during Preeclampsia  
Pregnancy and Hypertension Symposium  
InterAmerican Society of Hypertension  
Belohorizonte, Brazil  
August 2009
139. Pathophysiology of Hypertension during Preeclampsia  
Henry Ford Hospital Distinguished Lecture Series  
Detroit, MI  
April 2010
140. Hypertension Summer School-AHA  
Pathophysiology of Hypertension during Preeclampsia  
Portland, OR  
August 2010
141. "A Peek at the Peer Review Process at NIH  
Hypertension Summer School-AHA  
Portland, OR  
August , 2010
142. Pathophysiology of Hypertension during Preeclampsia  
Department of Pathology  
New York Medical College  
Valhalla, New York  
September 2010
143. Pathophysiology of Hypertension during Preeclampsia  
Department of Pharmacology  
LSUHSC  
New Orleans, LA  
November, 2010
144. Endothelin. The Kidney, and Hypertension  
Merck Pharmaceuticals  
Newark, New Jersey  
December 2010
145. The Kidney and Hypertension  
American Society of Hypertension  
New York, New York  
May 2011
146. Pathophysiology of Hypertension during Preeclampsia  
American Society of Hypertension  
New York, New York  
May 2011

147. Toxemia in Pregnancy Meeting(Tox –Talx)  
San Francisco, CA  
June 2011
148. The State of the American Physiological Society  
Association of Chairs of Departmental of Physiology Meeting  
Cancun, Mexico  
December 2012
- 149.8th International Workshop on “Structure and function of the vascular system”  
Paris, France  
February, 2012
- 150.“The State of the American Physiological Society”  
APS Business meeting  
Experimental Biology 2013  
San Deigo, CA  
April 2012
151. Welcome Address ““125<sup>th</sup> Anniverary of APS”  
Experimental Biology 2013  
San Deigo, CA  
April 2012
152. Pathophysiology of Hypertension in Preeclampsia  
Joint APS/SPS Hypertension Symposium  
Federation of European Physiological Societies  
Santiago de Compestello  
September 2012
153. Pathophysiology of Hypertension in Preeclampsia  
International Society of Hypertension  
Sydney, Australia  
October 2012
154. Pathophysiology of Hypertension in Preeclampsia  
Department of Physiology  
Tucson, Arizona  
October 2013
155. Role of the Kidneys in Hypertension  
Hypertension Summer School, AHA  
Columbia, SC  
August 2013

155. Pathophysiology of Hypertension in Preeclampsia  
Experimental Medicine Division  
Georgia Regents University  
Augusta, Georgia  
December 2013
156. Pathophysiology of Hypertension in Preeclampsia  
Gordon Conference on Endothelium  
Girona, Spain  
July, 2014
157. Wuhan Medical University  
Pathophysiology of Hypertension during preeclampsia  
Wuhan, China  
October 2014
158. Wuhan Union Hospital  
Pathophysiology of Hypertension during preeclampsia  
Wuhan, China  
October 2014
159. Guangzhou Medical University  
Pathophysiology of Hypertension during preeclampsia  
Guangzhou, China  
October 2014
160. Toxemia in Pregnancy Meeting (Tox –Talx)  
Obesity and Preeclampsia  
Mill Valley, CA  
June 2015
161. ET-14 14th International Conference on Endothelin  
Role of Endothelin in Preeclampsia  
Savannah, Georgia  
September, 2015
162. North American Society for the Study of Hypertension and Pregnancy  
Potential therapeutic value of the heme oxygenase and endothelin systems  
Chicago, IL  
October, 2015
163. University of Iowa Medical Center  
Potential therapeutic value of the endothelin system in preeclampsia  
Iowa City, IA  
December, 2015
164. APS Writing Workshop  
Choosing the right journal

January 2016

165. Tulane University School of Medicine  
Pathophysiology of Preeclampsia  
Mayerson-DiLuzio Lecturer,  
March 2016
  
166. World Congress on Cardiometabolic Disease  
Obesity and Preeclampsia  
Wuhan, China  
May 2016
  
167. Chinese Traditional Medical Hospital  
Pathophysiology of Preeclampsia  
Beijing, China  
September 2016
  
168. Japanese Society of Hypertension  
Potential therapeutic value of the endothelin system in preeclampsia  
Sendai, Japan  
September 2016
  
169. Guangzhou International Forum in Hypertension Research  
The endothelium as a potential therapeutic target in preeclampsia  
Guangzhou, China  
December 2016
  
170. University of Alabama-Birmingham Medical Center  
Department of Medicine, Nephrology Division  
The endothelium as a potential therapeutic target in preeclampsia  
Birmingham, Alabama  
March 2017
  
171. Medical University of South Carolina  
The endothelium as a potential therapeutic target in preeclampsia  
Charleston, South Carolina  
April 2017
  
172. Experimental Biology 2017  
APS President's Symposium  
The endothelium as a potential therapeutic target in preeclampsia  
Chicago, Illinois  
April 2017
  
173. Tox Talx 2017  
The endothelium as a potential therapeutic target in preeclampsia  
Mill Valley, CA  
June, 2017