

CURRICULUM VITAE

PHILIP WARREN SHAUL, M.D.

Date of Birth: December 13, 1955

Place of Birth: Ridgewood, New Jersey

Marital Status: Married, two children

Home Address: 2606 Tulip Drive
Richardson, TX 75082

Business Address: Department of Pediatrics
University of Texas Southwestern
Medical Center at Dallas
5323 Harry Hines Blvd.
Dallas, TX 75390

UNDERGRADUATE EDUCATION: 1973 - 1977 Dartmouth College
Major - Chemistry
1977 Bachelor of Arts

GRADUATE EDUCATION: 1977 - 1981 University of Cincinnati
College of Medicine
1981 Doctor of Medicine Degree

POSTGRADUATE TRAINING: 1981 - 1982 Internship, Pediatrics
Children's Hospital Medical Center
Cincinnati, Ohio

1982 - 1984 Residency, Pediatrics
Children's Hospital Medical Center
Cincinnati, Ohio

1984 - 1986 Fellow in Neonatal and Perinatal
Brown University
Women and Infants Hospital of RI
Providence, Rhode Island

HONORS: 1973 Bausch and Lomb Science Award

1974 - 1976 Rufus Choate Scholar - Dartmouth
College

1976 National Science Foundation
Undergraduate Research Grant

1977	Graduated from Dartmouth College magna cum laude, with High Honors in Chemistry
1980	Alpha Omega Alpha
1983	Pediatric Resident Teaching Award University of Cincinnati College
1983 - 1984	Ross Award for Excellence in Children's Hospital Medical Center Cincinnati, Ohio
1989	Richard D. Rowe Award in Perinatal Cardiology, Society for Pediatric Research
1991	Basil O'Connor Award March of Dimes Birth Defects Foundation
1993	Established Investigator Award American Heart Association, National Center
1996	Elected to the Council of the Society for Pediatric Research
1997	Codirector, Crystal Charity Ball Center for Research in Pediatric Critical Care
1997	Low Foundation Professorship in Pediatric Critical Care Research
1999	Elected to the American Society for Clinical Investigation
2003	Elected President of the Society for Pediatric Research, 2005-2006 (Vice President in 2003-2004, President- elect in 2004-2005)
2010	Hall of Honor, Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine

	2011	Associates First Capital Corporation Distinguished Chair in Pediatrics
	2013	Elected to the Association of American Physicians
BOARD CERTIFICATION:	1982	Diplomate, National Board of Medical Examiners, No. 247873
	1986	Diplomate, American Board of Pediatrics, No. 34671
	1987	Diplomate, American Board of Pediatrics Sub-Board of Neonatal-Perinatal Medicine No. 1865
LICENSURE:	1981 - 1984	State of Ohio, Temporary Medical License, No. 0009698
	1984 - 1986	State of Rhode Island, Limited Medical Registration No. 9454
	1986 - 1987	State of Rhode Island Medical License No. 6857
	1986 - present	State of Texas Medical License No. H1531
ACADEMIC APPOINTMENTS:	1984 - 1985	Assistant Instructor in Pediatrics Brown University Providence, Rhode Island
	1985 - 1986	Instructor in Pediatrics Brown University Providence, Rhode Island
	1986 - 1992	Assistant Professor of Pediatrics Southwestern Medical School Dallas, Texas
	1992 - 1997	Associate Professor of Pediatrics Southwestern Medical School Dallas, Texas
	1997 - present	Professor of Pediatrics Southwestern Medical School Dallas, Texas

1997-
present Member, Integrative Biology
Graduate Program, The Division of
Basic Science, Southwestern
Graduate School of Biomedical
Sciences, Dallas, Texas

2005-
present Director, Division of Pulmonary and
Vascular Biology, Department of
Pediatrics, Southwestern Medical
School, Dallas, Texas

2011-
present Vice Chairman for Research,
Department of
Pediatrics, Southwestern Medical
School, Dallas, Texas

OTHER APPOINTMENTS:

1989 - 1994 Medical Director, Neonatal Nurse
1996 - 1997 Practitioner Program, Parkland
Memorial Hospital

1999 - 2006 Director of Intern Recruitment,
Department of Pediatrics,
Southwestern Medical School

2000 -
present Steering Committee,
Medical Scientist Training Program,
Southwestern Medical School,
Southwestern Graduate School of
Biomedical Sciences

2002 -
present Steering Committee, University
Lecture Series, UT Southwestern
Medical Center (Chair in 2002-2003)

2007 -
present Promotion and Tenure
Committee, UT Southwestern

2009 -
present Co-Program Director
NIH T32 Training Program in Lung
Biology and Disease, UT
Southwestern Medical Center

2009 -
present Co-Program Director
Howard Hughes Medical Institute
Medicine into Graduate Program,
UT Southwestern Medical Center

2010 - present Training Director
Child Health Research Career
Development Award (K12)
Antecedents and Sequelae of
Childhood Onset Disease,
UT Southwestern Medical Center

2011- present Disease-Oriented and Clinical
Research Scholars
(DOCS) Program Committee,
UT Southwestern Medical Center

SOCIETIES:

1987 - present Fellow, American Academy of
Pediatrics

1987 - present Dallas County Medical Society

1987 - present Texas Perinatal Association

1988 - present Southern Society for Pediatric
Research

1990 - present Society for Pediatric Research

1992 - present Perinatal Research Society

1992- present Sigma Xi

1999- present American Society for Clinical
Investigation

1999- present The American Physiological Society

2003- present American Pediatric Society

COMMITTEES, COUNCILS:

1989 - 1992 Health Professional Advisory
Committee, March of Dimes Birth

1993 - 1996 Central Research Review
Committee, American Heart

1994 - present	Association, Texas Affiliate Blood Utilization and Review Committee, Parkland Memorial Hospital
1995 - 1998	Lung and Development Study Committee, American Heart Association, National Center
1996 - 1999	Institutional Animal Care and Research Advisory Committee, UT Southwestern
1996 - 1999	Council, Society for Pediatric Research
2005 - present	Six-Year Strategic Planning Research Committee, UT Southwestern
2005 - 2006	Search Committee for Chair of Dermatology, UT Southwestern
2005 - 2006	Search Committee for Chair of Obstetrics-Gynecology, UT Southwestern
2005 - 2006	Pediatric Academic Societies Executive Committee
2005 - 2009	Society for Pediatric Research Finance Committee
2006 - 2009	Search Committee for Director, Dell Pediatric Research Institute, University of Texas
2006 - 2009	Fellow's Basic Science Award Committee, Pediatric Academic Societies Annual Meeting
2009	Planning Committee – NIH Consensus Development Conference: Inhaled Nitric Oxide Therapy for Premature Infants
2010- 2011	Search Committee for Chair of Cell Biology, UT Southwestern

2012- present Advisory Committee
Child Health Research Center
(NIH K12), University of Minnesota
Medical School, Amplatz Children's
Hospital

2013- present Advisory Committee
Child Health Research Center
(NIH K12), University of California,
San Francisco

EDITORIAL BOARDS:

1999 - 2005 American Journal of Physiology:
Lung Cell and Molecular Physiology

MANUSCRIPT AND GRANT REVIEWER:

Journals: American Journal of Physiology (AJP): Cell Physiology; AJP: Heart and Circulatory Physiology; AJP: Lung Cellular and Molecular Physiology; AJP: Regulatory, Integrative and Comparative Physiology; American Journal of Respiratory Cell and Molecular Biology; Circulation; Circulation Research; Clinical Pediatrics; FASEB Journal; Hypertension; Journal of Clinical Investigation; Journal of Pediatrics; Journal of Pharmacology and Experimental Therapeutics; Journal of Vascular Research; Molecular Endocrinology; Nature Medicine; New England Journal of Medicine; Pediatric Infectious Disease Journal; Pediatric Research.

Grants: Internal grant review, Ohio State University (1994, 1995); Dept. of Veterans Affairs' Medical Research Service (1995); NIH Site Visitor, General Clinical Research Centers Program, National Center for Research Resources, NIH, Univ. of Colorado (1995); Ad Hoc Reviewer, NIH Human Embryology and Development 1 Study Section (1996). Ad Hoc Reviewer, NIH Pregnancy and Neonatology Study Section (2006, 2010), Science Foundation Ireland (2012).

Member, NIH Human Embryology and Development 1 Study Section, 1997 - 2001

COURSES TAUGHT:

1997-present	“Human Biology and Disease” Integrative Biology Graduate Program Division of Basic Science
1998-2007	“Response to Stress” Integrative Biology Graduate Program Division of Basic Science
2007-2012	“Medical Biochemistry” UT Southwestern Medical School
2008-present	“Core Course” Division of Basic Science

GRANT SUPPORT

Previous

1. Autoradiographic Characterization of Pulmonary Adrenergic Receptors
During Perinatal Development in the Rat
Biomedical Research Support Grant Program
National Institutes of Health
Grant No. BRSG 2 S07 RR05426-26
Principal Investigator
Direct Costs \$8,000/yr
June 1, 1987 - May 31, 1988
2. Effect of Hypoxia on Vascular Smooth Muscle Adenylate Cyclase
American Heart Association - Texas Affiliate
Grant No. 88G-113
Principal Investigator
Direct Costs \$25,000/yr
July 1, 1988 - June 30, 1990
3. Oxygen Modulation of Pulmonary Artery Cyclase Activity
American Heart Association - Texas Affiliate
Grant No. 90R-113
Principal Investigator, 15%
Direct Costs \$27,000/yr
July 1, 1990 - June 30, 1992 (Extended to June 30, 1993)
4. Developmental Regulation of Pulmonary Artery Prostacyclin Synthesis
Basil O'Connor Starter Scholar Research Award
March of Dimes Birth Defects Foundation
Grant No. 5-FY91-0623
Principal Investigator
Direct Costs \$27,273/yr
September 1, 1991 - August 31, 1993
Supplement of \$7,000 added for September 1, 1993 - March 31, 1994
5. Hormonal Regulation of Cyclooxygenase Genes in the Fetal Pulmonary Vasculature
March of Dimes Birth Defects Foundation
Clinical Research Grant No. 6-FY94-0267
Principal Investigator
Direct costs \$44,767/yr
April 1, 1994 - December 31, 1994
6. Hormonal Regulation of Nitric Oxide Synthase Gene Expression in Developing Lung
Wyeth Pediatrics Neonatology Research Fund
For Amy J. North, M.D., Fellow in training
Direct Costs \$2,363
July 1, 1993 - June 30, 1994

7. Cyclooxygenase Gene Expression in the Developing Pulmonary Circulation
Wyeth Pediatrics Neonatology Research Fund
For Timothy S. Brannon, M.D., Fellow in training
Direct Costs \$2,363
July 1, 1993 - June 30, 1994
8. Regulation of Nitric Oxide Synthase Gene Expression by Oxygen and Nitric Oxide
Wyeth Pediatrics Neonatology Research Fund
For Amy J. North, M.D., Fellow in training
Direct Costs \$3,500
July 1, 1994 - June 30, 1995
9. Regulation of Nitric Oxide Synthase in Developing Lung
National Institutes of Health
NIH 1R01, Grant No. HD30276
Principal Investigator
Direct Costs \$105,629/yr
April 1, 1993 - March 31, 1997
10. Regulation of Endothelial Nitric Oxide Synthase in Developing Lung
American Heart Association, National Center
Grant-in-Aid No. 93013540
Principal Investigator
Direct costs \$40,000/yr
July 1, 1993 - June 30, 1996
Extension for July 1, 1996 - June 30, 1997
Direct costs \$14,285
11. Regulation of Endothelial Nitric Oxide Synthase in Developing Lung
American Heart Association, National Center
Established Investigator Award
Grant No. 93002520
Principal Investigator
Direct Costs \$51,000/yr
July 1, 1993 - June 30, 1998
12. Regulation of Cyclooxygenase Genes in Developing Lung
National Institutes of Health
NIH 1R01, Grant No. HL53546
Principal Investigator
Direct Costs \$136,146/yr
December 1, 1994 - November 30, 1998
13. Regulation of Nitric Oxide Synthase in Developing Lung
National Institutes of Health
NIH 2R01, Grant No. HD30276
Principal Investigator, 30%
Direct Costs \$142,619/yr
April 1, 1997 - March 31, 2001

14. Cholesterol and Endothelial NO Synthase Trafficking
National Institutes of Health
NIH 1R01, Grant No. HL 58888
Principal Investigator, 25%
Direct Costs \$160,824/yr
July 1, 1997 - June 30, 2002
15. Nitric Oxide Synthases in Lung Development and BPD
National Institutes of Health
NIH1U01, Grant No. HL63399
Principal Investigator, 15%
Direct Costs \$230,050/yr
September 1, 1999 - August 31, 2003
16. Regulation of Cyclooxygenase Genes in Developing Lung
National Institutes of Health
NIH 2R01, Grant No. HL53546
Principal Investigator, 25%
Direct Costs \$176,011/yr
December 1, 1998 - November 30, 2003
17. Regulation of Nitric Oxide Synthase in Developing Lung
National Institutes of Health
NIH 5R01, Grant No. HD30276
Principal Investigator, 20%
Direct Costs \$225,000/yr
April 1, 2001 - March 31, 2006
18. Nitric Oxide in Lung Development and CLD
National Institutes of Health
NIH 2U01, Grant No. HL63399
Principal Investigator, 16%
Direct Costs \$426,629/yr
September 30, 2003 - August 31, 2007 (Extended to August 31, 2008)
19. CRP, eNOS and Endothelial Dysfunction
National Institutes of Health
NIH 1R01, Grant No. HL75473
Principal Investigator, 16%
Direct Costs \$225,000/yr
December 1, 2003 - November 30, 2007 (Extended to November 30, 2008)
20. Cholesterol and Endothelial NO Synthase
National Institutes of Health
NIH 2R01, Grant No. HL58888
Principal Investigator, 16%
Direct Costs \$225,000/yr
February 1, 2004 - January 31, 2008 (Extended to January 31, 2009)

21. Elucidating a Novel Basis for Insulin Resistance
Children's Medical Center Foundation
Principal Investigator
Direct Costs \$88,865
August 1, 2008 – July 31, 2009
22. Estrogen Modulation of Endothelial Cell Phenotype
National Institutes of Health
NIH 2R01, Grant No. HD030276
Principal Investigator, 16%
Direct Costs \$161,250/yr
April 1, 2006 – February 28, 2011
23. CRP, eNOS and Endothelial Dysfunction
National Institutes of Health
NIH 2R01, Grant No. HL75473
Principal Investigator, 30%
Direct Costs \$346,312/yr
September 1, 2009 - August 31, 2011
24. Breast Cancer Modulation by 27-Hydroxycholesterol, the First Identified Endogenous SERM
Mary Kay Ash Charitable Foundation
Principal Investigator, 5%
Direct Costs \$50,000/yr
July 1, 2009 - Dec. 31, 2011
25. Breast Cancer Modulation by 27-Hydroxycholesterol, the First Identified Endogenous SERM
Department of Defense
Idea Award
Principal Investigator, 15%
Direct Cost \$125,000
May 5, 2009 – May 6, 2012

Present

1. Oxysterols, Estrogen Receptor Modulation and Vascular Disease
National Institutes of Health
NIH 2R01, Grant No. HL087564
Principal Investigator, 25%
Direct Costs \$250,000
June 1, 2010 – May 31, 2015
2. Training Program in Lung Biology and Disease
National Institutes of Health
NIH 1 T32 HL098040-01
Co-Program Director, 3% (administrative) (Program Director: Lance Terada)
Direct Costs \$174,306/yr
January 1, 2010- December 31, 2014

3. Antecedents and Sequelae of Childhood Onset Disease
National Institutes of Health
Child Health Research Career Development Award (CHRCDA)
NIH 1 K12 HD68363
Training Director, 3% (PI: Julio Perez-Fontan)
Direct Costs \$400,000/yr
December 1, 2010- November 30, 2015
4. Impact of Estradiol, SERMs and TSECs on Body Weight Regulation and Insulin Sensitivity in Mice
Pfizer, Inc. Investigator Initiated Research program
Pfizer tracking # WS1909436
Principal Investigator
Direct Costs \$293,385/yr
July 15, 2011- July 31, 2013 (no-cost extension to July 31, 2014)
5. Preventing Morbidity and Mortality in Fetuses and Newborns of Mothers with the Antiphospholipid Syndrome
The Hartwell Foundation
Individual Biomedical Research Award
Principal Investigator, 10%
Direct Costs \$100,000/yr
April 1, 2013- March 31, 2016
6. FcγRIIB and Inflammation-Related Vascular Disease
National Institutes of Health
NIH R01-HL115122
Principal Investigator, 30%
Direct Costs \$238,000/yr
August 16, 2013-June 30, 2017

Pending

1. Novel Ligands and Mechanisms to Achieve Selective Nuclear Receptor Activity
National Institutes of Health
NIH R01-DK015556
Co-Investigator, 5% (PI: J. Katzenellenbogen)
Funding anticipated.
September 1, 2013-August 31, 2018
2. Role of Endothelial and Macrophage ApoER2 in Atherosclerosis Modulation
National Institutes of Health
NIH R01-HL118001
Principal Investigator, 20% (Multi-PI with David Hui, Univ. of Cincinnati College of Medicine)
Funding anticipated.
December 1, 2013-November 31, 2017

3. Training Program in Lung Biology and Disease
National Institutes of Health
NIH 1 T32 HL098040
Project Director/Principal Investigator, 5% (administrative) (CoPD/PI with Lance Terada)
Funding anticipated.
July 1, 2014- June 30, 2019

TRAINEES, MENTORED FACULTY

PAST TRAINEES, MENTORED FACULTY:

<u>Name</u>	<u>Position</u>	<u>Training Period</u>	<u>Current Position</u>
Kinane, T. Bernard	Resident in Pediatrics	1987-1989	Chief, Pediatric Pulmonary Unit, Massachusetts General Hospital, Harvard Medical School
Mackanje, Hasu R.	Postdoctoral Fellow	1987-1989	Staff Physician, The University of Natal, Durban, South Africa
Schell, David N.	Postdoctoral Fellow	1988-1991	Staff Physician, The Royal Alexandra Hospital for Children, Sydney, Australia
Haws, Robert M.	Postdoctoral Fellow	1989-1992	Section Chief, Phoenix Children's Hospital & Clinical Lecturer for the Univ. of Arizona
Cox, Blair E.	Postdoctoral Fellow	1990-1993	Associate Professor, UT Southwestern [†]
Brannon, Timothy S.	Postdoctoral Fellow	1991-1994	Assistant Professor, UT Southwestern
MacRitchie, Amy	Postdoctoral Fellow	1992-1995	Neonatologist, private practice
Lantin-Hermosa, Regina	Postdoctoral Fellow	1993-1996	Associate Professor, Baylor College of Medicine
Jun, Sandy S.	Postdoctoral Fellow	1994-1997	Neonatologist, Neonatal Associates, Atlanta, GA
Kirsch, Erica A.	Postdoctoral Fellow	1994-1997	Pediatric Intensivist, private practice
Whitney, Jeanette	Postdoctoral Fellow	1995-1998	Neonatologist, All Saints Episcopal Hospital, Ft. Worth, TX
Salhab, Walid	Postdoctoral Fellow	1995-1998	Neonatologist, Pediatrix, Dallas, TX
Wang, Andy	College student	1997	----
Wyckoff, Myra	Postdoctoral Fellow	1997-2000	Associate Professor, UT Southwestern
Ihionkhan, Chris	Postdoctoral Fellow	1998-2001	Staff Pediatrician, Good Shephard Medical Center, Longview, TX
Simon, Liliana	Postdoctoral Fellow	1998-2001	Asst. Professor, Yale Univ. School of Medicine
Kukreja, Sachin	College student	1999	----
Assanasen, Chatchawin	Postdoctoral Fellow	2000-2003	Staff Physician, Nemours Children's Clinic, Pensacola, FL
Gormley, Andrew	Postdoctoral Fellow	2002-2004	Asst. Professor, Univ. of Oklahoma Health Science Center
Sheshadri, Ajay	Medical Student	2004-2004	Medical Student, UT Southwestern
(Basic Science Award, Medical Student Research Forum, UT Southwestern, 2005.)			
Kumar, Premlata	Postdoctoral Fellow	2001-2005	Instructor, Dept. of Biochemistry, UT Southwestern
Seetharam, Divya	GS, PDF	2001-2006	Pediatrics Resident, UT Southwestern
(selected for support by the Pharmacology Training Program, UT Southwestern, 2001-2005.)			
Vyas-Read, Shilpa	PDF, Assist. Instructor	2003-2007	Assistant Professor, Emory Univ. School of Medicine, Atlanta, GA
(Fellow's Travel Award, Pediatric Academic Societies Meeting, 2006; K08, 2010)			
Schwartz, Randall	Postdoctoral Fellow	2004-2006	Anesthesiology Resident, UT Southwestern
Willis, Brigham	Assistant Professor	2004-2007	Assistant Professor, St. Joseph's Hospital and Medical Center

PAST TRAINEES, MENTORED FACULTY (cont'd):

Jain, Raksha	Postdoctoral Fellow (IM)	2005-2006	Assistant Professor, UT Southwestern
Zhu, Weifei	Postdoctoral Fellow	2005-2007	Research Associate, Cleveland Clinic Foundation, Cleveland, OH
Behling-Kelly, Erica	Postdoctoral Fellow	2006-2008	Veterinary Medicine Fellowship, Univ. of Wisconsin
Ramesh, Sangeetha	Graduate Student	2004-2008	To Be Decided
Reid, James	Postdoctoral Fellow	2006-2009	Staff Physician, Children's Hospital, Central California
Oltmann, Sarah	Resident in Surgery	2007-2009	Surgery Resident, UT Southwestern
Tarango, Cristina	Postdoctoral Fellow	2007-2010	Assistant Professor, University of Cincinnati
Tanigaki, Keiji	Postdoctoral Fellow	2004-2010	Senior Research Associate, UT Southwestern
(Meritorius Research Prize, 5 th Annual Postdoctoral Research Symposium, UTSW, 2007; Society for Pediatric Research Fellow's Basic Science Award, 2008; Japanese Pediatric Society Fellow's Research Award, 2009; Travel Award, American Heart Association, 2009.)			
Mineo, Chieko	Assistant Professor	2006-2011	Assistant Professor, UT Southwestern (Alliance for Lupus Research grant, 2007; American Diabetes Association Research Award, 2010; (American Heart Association grants, 2002, 2011; NIH R01, 2011)
Vongpatanasen, Wanpen	Assist. Prof. (Int. Med.)	2006-2011	Associate Professor, UT Southwestern (NIH R01, 2011)
Umetani, Michihisa	Assistant Professor	2008-present	Assistant Professor, UT Southwestern (American Heart Association grant, 2008; NIH O'Brien Kidney Research Core Center Pilot & Feasibility Award, 2009; Kern Aspen Lipid Conference Early Career Investigator Award, 2010; American Heart 2010) Association Travel Award for Young Investigators, 2011; American Diabetes Association Research Award, 2011)
Wu, Qian	Postdoctoral Fellow	2005-2011	Senior Scientist II, Xbiotech USA, Inc. (Postdoctoral Fellowship Award, American Heart Association 2009-2011)
Saddar, Sonika	Postdoctoral Fellow	2007-2011	Visiting Scientist, UT Austin Senior Scientist, Terapio, Inc. (Travel Award, American Heart Association, 2009; Postdoctoral Fellowship Award, American Heart Association 2008-2010)
Sundgren, Nathan	Postdoctoral Fellow (Neo)	2007-2011	Assistant Professor, Baylor College of Medicine, Houston, TX (Physician Scientist Training Program, UT Southwestern; Loan Repayment Program, NICHD)
Frost, Natalie	Postdoctoral Fellow (Neo)	2009-2011	Assistant Professor, UT Southwestern (Ikaria Advancing Newborn Medicine Grant, 2009)
Barrera, Jose	Postdoctoral Fellow (PhD)	2009-2013	Director, Shimadzu Institute for Research Technologies, Univ. of Texas Arlington (selected for support by the Lung Biology and Disease Research Training Program (T32), UT Southwestern, 2009- present.)
Lanier, Lane	Postdoc. Fellow (Crit. Care)	2010-2013	Fellow, Pediatric Cardiac Critical Care Med. Cincinnati Children's Med. Ctr. (selected for support by the Lung Biology and Disease Research Training Program (T32), UT Southwestern, 2010- present.)
Ghosh, Pritham	Postdoc. Fellow (IM, Pulm, Crit. Care)	2011-2013	Assistant Professor, UT Southwestern
Zhang, Hui	Visiting Scholar (Sun Yat-Sen Univ., China)	2011-2013	Assistant Prof., Sun Yat-Sen Univ., China)

Osunbunmi, Olutoye	Postdoc. Fellow (Neo.)	2011-2013	Duke MBA Health Sector Management Program
Lee, Wan-Ru	Postdoctoral Fellow (PhD)	2008-2013	Research Associate, UT Southwestern
Ulrich, Victoria	Graduate Student	2009-2013	Postdoctoral Fellow, Yale University

(selected for support by the Cardiology Research Training Program (T32), UT Southwestern, 2009- 2011; Sigma Xi Abstract Award, 2010; Philanthropic Education Organization Scholar Award National Nominee, 2011; Postdoctoral Fellowship Award + Travel Award, American Heart Association, 2011-2013)

† deceased

CURRENT TRAINEES, MENTORED FACULTY:

Jain, Raksha	Assistant Professor (Int. Med.)	2010-present
(NIH K08, 2010; Gilead Sciences Research Scholar Award, 2013)		
Rohatgi, Anand	Assistant Professor (Int. Med.)	2010-present
(American Heart Association Scientist Development Grant, 2012; NIH K08, 2013)		
Sirianni, Rosa	Visiting Professor (Univ. of Calabria, Italy)	2012-present
Jung, Eunjeong	Postdoctoral Fellow (PhD)	2113-present
Banerjee, Subhashis	Postdoctoral Fellow (PhD)	2113-present
Sacharidou, Anastasia	Postdoctoral Fellow (PhD)	2113-present

GRADUATE STUDENT COMMITTEES

Qualifying Examination Committee member for: Joseph Baur, Kathy Ivey, Megha Satyanarayana, Yang Sik Jeong, Kristen Evaul, Jamie Dunlap, Julio Ruiz (chairman), Koriand'r Conyers.

Thesis Committee member for: Aparna Aiyer (Graduated), Ying Chen (Graduated), Christopher Jones (Graduated), Michelle Jamnongjit (Graduated), Michael Melkus (Graduated), Melissa Rasar (Graduated), Lee Rivera

PUBLICATIONS

Original Articles:

1. Shaul PW, Farrell MK, Maloney MJ: Caffeine toxicity as a cause of acute psychosis in anorexia nervosa. *J. Pediatr.* 105:493-495, 1984.
2. Shaul PW, Towbin RB, Chernausek SD: Precocious puberty following severe head trauma. *Amer. J. Dis. Child.* 139:467-469, 1985.
3. Mayfield SR, Stonestreet BS, Brubakk AM, Shaul PW, Oh W: Regional blood flow in newborn piglets during environmental cold stress. *Am. J. Physiol. Gastrointest. Liver Physiol.* 251:G308-G313, 1986.
4. Catlin EA, Carpenter MW, Brann BS, Mayfield SR, Shaul PW, Goldstein M, Oh W: The Apgar score revisited: The influence of gestational age. *J. Pediatr.* 109:865-868, 1986.
5. Mimouni F, Moidovnik M, Tsang RC, Callahan J, Shaul PW: Decreased amniotic fluid magnesium concentration in diabetic pregnancy. *Obstet. and Gynecol.* 69:12-14, 1987.
6. Mayfield SR, Shaul PW, Oh W, Stonestreet B: Anemia blunts the thermogenic response to environmental cold stress in newborn piglets. *Pediatr. Res.* 21:482-486, 1987.
7. Shaul PW, Mimouni F, Tsang RC, Specker B: The role of magnesium in neonatal calcium homeostasis: Effects of magnesium infusion on calciotropic hormones and calcium. *Pediatr. Res.* 22:319-323, 1987.
8. Coll CG, Emmons L, Vohr BR, Ward AM, Brann BS, Shaul PW, Mayfield SR, Oh W: Behavioral responsiveness in preterm infants with intraventricular hemorrhage. *Pediatrics* 81:412-418, 1988.
9. Mayfield SR, Stonestreet BS, Shaul PW, Brubakk A, Susa J, Oh W: Plasma catecholamine concentrations of newborn piglets in thermoneutral and cold environments. *J. Dev. Physiol.* 11:331-334, 1989.
10. Shaul PW, Cha CM, Oh W: Neonatal sympathoadrenal response to acute hypoxia: impairment after experimental intrauterine growth retardation. *Pediatr. Res.* 25:466-472, 1989.
11. Vohr BR, Garcia-Coll C, Mayfield S, Brann B, Shaul PW, Oh W: Neurological and developmental status related to the evolution of visual-motor abnormalities from birth to 2 years of age in preterm infants with intraventricular hemorrhage. *J. Pediatr.* 115:296-302, 1989.
12. Anderson LT, Coll CG, Vohr BR, Emmons L, Brann B, Shaul PW, Mayfield SR, Oh W: Behavioral characteristics and early temperament of preterm infants with intracranial hemorrhage. *Early Hum. Dev.* 18:273-283, 1989.
13. Mayfield SR, Shaul PW, Oh W, Stonestreet BS: Gastrointestinal blood flow and oxygen delivery during environmental cold stress: Effect of anemia. *J. Dev. Physiol.* 12:219-223, 1989.
14. Shaul PW, Muntz KH, Buja LM: Comparison of beta-adrenergic receptor binding characteristics and coupling to adenylate cyclase in rat pulmonary artery versus aorta. *J. Pharmacol. Exp. Ther.* 252:86-92, 1990.

15. Shaul PW, Muntz KH, DeBeltz D, Buja LM: Effects of prolonged hypoxia on adenylate cyclase activity and beta-adrenergic receptors in pulmonary and systemic arteries of the rat. *Circ. Res.* 66:1526-1534, 1990.
16. Shaul PW, Magness RR, Muntz KH, DeBeltz D, Buja LM: Alpha-1-adrenergic receptors in pulmonary and systemic vascular smooth muscle: alterations with development and pregnancy. *Circ. Res.* 67:1193-1200, 1990.
17. Shaul PW, Muntz KH, DeBeltz D, Buja LM: Ontogeny of the adenylate cyclase system in fetal pulmonary vascular smooth muscle. *J. Cardiovasc. Pharmacol.* 17:125-133, 1991.
18. Shaul PW, Kinane B, Farrar MA, Buja LM, Magness RR: Prostacyclin production and mediation of adenylate cyclase activity in the pulmonary artery: alterations following prolonged hypoxia in the rat. *J. Clin. Invest.* 88:447-455, 1991.
19. Shaul PW, Farrar MA, Buja LM: Ontogeny of beta-adrenergic regulation of adenylate cyclase in intrapulmonary arteries from fetal and postnatal lambs. *Pediatr. Res.* 30:610-615, 1991.
20. Mackanjee HR, Shaul PW, Magness RR, Rosenfeld CR: Angiotensin II vascular smooth muscle receptors are not downregulated in near-term pregnant sheep. *Am. J. Obstet. Gynecol.* 165:1641-1648, 1991.
21. Shaul PW, Farrar MA, Zellers, TM: Oxygen modulates endothelium-derived relaxing factor production in fetal pulmonary arteries. *Am. J. Physiol. Heart Circ. Physiol.* 262:H355-H364, 1992.
22. Schell DN, Durham D, Murphree SS, Muntz KH, Shaul PW: Ontogeny of beta-adrenergic receptors in pulmonary arterial smooth muscle, bronchial smooth muscle and alveolar lining cells in the rat. *Am. J. Respir. Cell Mol. Biol.* 7:317-324, 1992.
23. Shaul PW, Farrar, MA, Magness, RR: Prostacyclin synthesis and stimulation of cyclic AMP production in ovine fetal vasculature: Heterogeneity in pulmonary and systemic arteries. *Dev. Pharmacol. Therap.* 18:89-99, 1992.
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25. Shaul PW, Mineo C: HDL action in the vascular wall: is the answer NO? *J. Clin. Invest.* 113:509-513, 2004.
26. Shaul PW, Chambliss KL: Caveolae and estrogen receptor signaling, *in* *Advances in Molecular and Cell Biology Series, Volume 36*, (eds) Lisanti ML, Frank PG, Elsevier Academic Press. pp. 109-123, 2005.
27. Mineo C, Shaul PW: Circulating cardiovascular disease risk factors and signaling in endothelial cell caveolae. *Cardiovasc. Res.* 70:31-41, 2006.
28. Mineo C, Deguchi H, Griffin JH, Shaul PW: Endothelial and antithrombotic actions of HDL. *Cir. Res.* 98:1352-1364, 2006.
29. Shaul PW: The cold, hard truth about pediatric research. *Pediatr. Res.* 61:506-509, 2007.
30. Mineo C, Shaul PW: Role of high density lipoprotein and scavenger receptor BI in the promotion of endothelial repair. *Trends Cardiovasc. Med.* 17:156-161, 2007.
31. Saddar S, Mineo C, Shaul PW: Signaling by the high affinity receptor for HDL Scavenger Receptor BI. *Arterioscler. Thromb. Vasc. Bio.* 30:144-150, 2010.

32. Wu Q, Chambliss K, Umetani M, Mineo C, Shaul PW: Non-nuclear estrogen receptor signaling in endothelium. *J. Biol. Chem.* 286:14737-14743, 2011.
33. Mineo C, Shaul PW: Regulation of eNOS in caveolae. In: *Caveolins and Caveolae: Roles in Signaling and Disease Mechanisms*, Ed. J-F Jasmin, P.G. Frank, M.P. Lisanti, Landes Bioscience and Springer Science + Business Media, 2011.
34. Umetani M, Shaul PW: 27-Hydroxycholesterol: the first identified endogenous SERM. *Trends Endocrinol. Metab.* 22:130-135, 2011.
35. Mineo C, Shaul PW: PON-deficiency differences in HDL function in coronary artery disease. *J. Clin. Invest.* 121:2545-2548, 2011.
36. Steinhorn RH, Shaul PW, Deregner RA, Kennedy KA: Inhaled nitric oxide and bronchopulmonary dysplasia. *Pediatrics* 128:e255-e256, 2011.
37. Kinsella JP, Shaul PW: Physiology of nitric oxide in the developing lung, *in* *Fetal and Neonatal Physiology*, Fourth Edition, (eds) Polin RA, Fox WW, Abman SH, Philadelphia PA, Elsevier-Saunders. pp. 807-820, 2011.
38. Mineo C, Shaul PW: New insights into the molecular basis of the antiphospholipid syndrome. *Drug Discovery Today* 8:e47-e52, 2011.
39. Mineo C, Shaul PW: Regulation of eNOS in caveolae. *Adv. Exp. Med. Biol.* 729:51-62, 2012.
40. Mineo C, Shaul PW: Functions of scavenger receptor class B, type I in atherosclerosis. *Curr. Opin. Lipidol.* 23:487-493, 2012.
41. Mineo C, Shaul PW: Novel biological functions of HDL cholesterol. *Circ. Res.* 111:1079-1090, 2012.
42. Mineo C, Shaul PW: Regulation of signal transduction by HDL. *J. Lipid Res.* 2315-2324, 2013.
43. Banerjee S, Chambliss KL, Mineo C, Shaul PW: Recent insights into non-nuclear actions of estrogen receptor alpha. *Steroids*, in press.

Invited Talks:

1. "Regulation of Endothelium-Derived Relaxing Factor Production in Pulmonary Arteries". Department of Pediatrics, University of Pittsburgh School of Medicine, Nov., 1991.
2. "Endothelin in Perinatal Biology". Poster Symposium Chairman, Society for Pediatric Research Annual Meeting, Baltimore, MD, May, 1992.
3. "Endothelial Function in the Developing Pulmonary Circulation". Plenary Session, World Congress of Pediatric Cardiology and Cardiac Surgery, Paris, France, June, 1993.

4. "The Role of the Endothelium in the Regulation of Vasomotor Tone in the Developing Lung". Selected Topics in Perinatal Medicine, University of Chile, Santiago, Chile, August, 1993.
5. "Recent Advances in the Treatment of Persistent Pulmonary Hypertension of the Newborn". Selected Topics in Perinatal Medicine, University of Chile, Santiago, Chile, August, 1993.
6. "Cellular Signalling in the Developing Pulmonary Circulation". State-of-the-Art Series, Section on Perinatal Pediatrics, American Academy of Pediatrics Annual Meeting, Washington, D.C., Oct., 1993.
7. "Regulation of Nitric Oxide Synthase in Developing Lung". Department of Pediatrics, Emory University School of Medicine, Atlanta, GA, Nov., 1993.
8. "Pulmonary Hypertension: Rationale for Manipulation of the Pulmonary Endothelium". Plenary Session, American Heart Association Annual Meeting, Atlanta, GA, Nov., 1993.
9. "Biology of Nitric Oxide in the Developing Lung". Hot Topics '93 in Neonatology, Special Ross Conference, Washington, D.C., Dec., 1993.
10. "Regulation of Vasodilator Synthesis in Developing Lung". Vascular Biology Group, Department of Medicine, Emory University School of Medicine, Atlanta, GA, Feb., 1994.
11. "Persistent Pulmonary Hypertension in the Newborn: is the answer NO?". Dallas-Fort Worth Neonatal Lecture Series, Irving, TX, April, 1994.
12. "Pulmonary Hypertension: Is the Answer NO?". Perinatal Issues in the 90's, Hermann Hospital University of Texas Medical School at Houston, Houston, TX, June, 1994.
13. "Biology of Nitric Oxide in the Lung". Texas Pediatric Society, 1994 Annual Meeting, Corpus Christi, TX, Sept., 1994.
14. "Regulation of Nitric Oxide Synthase in Developing Lung". Department of Physiology, University of Texas Southwestern Medical Center, Dallas, TX, Feb., 1995.
15. "Persistent Pulmonary Hypertension of the Newborn: Is the answer NO?". Department of Pediatrics, West Virginia University, Morgantown, WV, March, 1995.
16. "Regulation of Nitric Oxide Synthase in Developing Lung". Department of Physiology, West Virginia University, Division of Respiratory Disease Studies, National Institute for Occupational Safety and Health, Morgantown, WV, March, 1995.
17. "Persistent Pulmonary Hypertension of the Newborn: Is the answer NO?". Texas Perinatal Association Conference on Perinatal Issues, University of Texas Health Science Center at Tyler, Mother Francis Hospital, Tyler, TX, April, 1995.
18. "Inhalational Nitric Oxide Therapy". Theme Session Chairman, Society for Pediatric Research Annual Meeting, San Diego, CA, May, 1995.

19. "Persistent Pulmonary Hypertension of the Newborn: Is the answer NO?". Current Concepts in Fetal and Neonatal Care, Eighth Annual Seminar, Women and Infants Hospital of Rhode Island and the Rhode Island Medical Society, Newport, RI, May, 1995.
20. "Regulation of Nitric Oxide Synthase in Developing Lung". Department of Pediatrics, Brown University School of Medicine, Providence, RI, May, 1995.
21. "Recent Advances in the Management of Persistent Pulmonary Hypertension of the Newborn". Visiting Professor, Division of Lung Biology, Children's Research Center, University of Utah School of Medicine, Salt Lake City, UT, October, 1995.
22. "Regulation of Nitric Oxide Synthase in Pulmonary Endothelium and Epithelium". Visiting Professor, Division of Lung Biology, Children's Research Center, University of Utah School of Medicine, Salt Lake City, UT, October, 1995.
23. "Developmental Regulation of Nitric Oxide Synthase and Cyclooxygenase in the Pulmonary Circulation". Cardiovascular Seminar, Councils on Cardiopulmonary and Critical Care, Cardiovascular Disease in the Young, and Basic Science, American Heart Association 68th Scientific Sessions, Anaheim, CA, November, 1995.
24. "Persistent Pulmonary Hypertension of the Newborn: Is the Answer NO?". Advances in Neonatal Care Conference, Alabama Society of Neonatology, Department of Pediatrics, The University of Alabama at Birmingham, Birmingham, AL, April, 1996.
25. "Biology of Nitric Oxide in the Developing Lung". Advances in Neonatal Care Conference, Alabama Society of Neonatology, Department of Pediatrics, The University of Alabama at Birmingham, Birmingham, AL, April, 1996.
26. "Prolonged Jaundice in the Newborn". 28th Annual Kenneth C. Haltalin Pediatrics Seminar, Department of Pediatrics, The University of Texas Southwestern Medical Center at Dallas, Dallas, TX, April, 1996.
27. "Regulation of Nitric Oxide Synthase Expression in Developing Lung". The Oh Symposium, an Update in Neonatology, Rhode Island Hospital, Brown University School of Medicine, Providence, RI, May, 1996.
28. "Prolonged Jaundice in the Newborn". Third International Symposium on Neonatology, Cirena Foundation and the University of Valle, Cali, Columbia, June, 1996.
29. "Endothelial Function in the Developing Pulmonary Circulation". Third International Symposium on Neonatology, Cirena Foundation and the University of Valle, Cali, Columbia, June, 1996.
30. "Persistent Pulmonary Hypertension of the Newborn: Is the Answer NO?". Third International Symposium on Neonatology, Cirena Foundation and the University of Valle, Cali, Columbia, June, 1996.
31. "Regulation of the Developing Pulmonary Circulation". Selected Topics in Perinatal Medicine, University of Chile, Santiago, Chile, August, 1996.
32. "Persistent Pulmonary Hypertension of the Newborn: Is the Answer NO?". Selected Topics in Perinatal Medicine, University of Chile, Santiago, Chile, August, 1996.

33. "Effects of Estrogen on Endothelial Nitric Oxide Synthase Activity and Gene Expression in Fetal Pulmonary Endothelium". Research Fellowship Symposium, American Heart Association 69th Scientific Sessions, New Orleans, LA, November, 1996.
34. "Molecular Regulation of Nitric Oxide Synthases". Session Chairman, American Heart Association 69th Scientific Sessions, New Orleans, LA, November, 1996.
35. "Persistent Pulmonary Hypertension of the Newborn: Is the Answer NO?". Grand Rounds, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI, January, 1997.
36. "Regulation of Endothelial Nitric Oxide Synthase in the Developing Lung: Location, Location, Location". Visiting Professor, Cardiovascular Research Center, Medical College of Wisconsin, Milwaukee, WI, January, 1997.
37. "Cardiovascular I". Session Chairman, Concurrent Session, Southern Society for Pediatric Research, Southern Society for Clinical Investigation Annual Meeting, New Orleans, LA, February, 1997.
38. "Nitric Oxide Therapy for Persistent Pulmonary Hypertension of the Newborn: Results of a Randomized Trial". Visiting Professor, Division of Lung Biology, Children's Research Center, University of Utah School of Medicine, Salt Lake City, UT, February, 1997.
39. "Hormonal Modulation of Nitric Oxide Synthase in the Fetal Lung". Visiting Professor, Division of Lung Biology, Children's Research Center, University of Utah School of Medicine, Salt Lake City, UT, February, 1997.
40. "Developmental Regulation of Nitric Oxide Synthase Gene Expression in the Lung During Health and Disease". 13th Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Sponsored by the George Washington University Medical Center. Keystone, CO, March, 1997.
41. "Targeting of Endothelial Nitric Oxide Synthase to Plasmalemmal Caveolae". Visiting Professor, Departments of Medicine and Pediatrics, University of Colorado School of Medicine, Denver, CO, August, 1997.
42. "Regulation of Endothelial Nitric Oxide Synthase in the Developing Lung: Location, Location, Location". Visiting Professor, Departments of Pediatrics and Physiology, State University of Buffalo at New York, Buffalo, NY, August, 1997.
43. "Hormonal Modulation of Nitric Oxide Synthase in the Fetal Lung". FASEB Summer Research Conference on Perinatal Regulation of the Cardiovascular System. Copper Mountain, CO, August, 1997.
44. "Regulation of Endothelial Nitric Oxide Synthase Trafficking and Activation". Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, September, 1997.
45. "Regulation of Endothelial Nitric Oxide Synthase in the Developing Lung". South Central Conference on Perinatal Research. Austin, TX, October, 1997.

46. "Nitric Oxide Therapy for PPHN: It's a Gas". Visiting Professor, Department of Pediatrics, University of Texas Houston Health Science Center, Houston, TX, November, 1997.
47. "Regulation of Nitric Oxide Synthase by Estrogen: Does the Placenta Talk to the Fetal Lung?". Visiting Professor, Department of Pediatrics, University of Texas Houston Health Science Center, Houston, TX, November, 1997.
48. "Nongenomic Function of Estrogen Receptor α in the Vascular Endothelium". Green Center for Reproductive Biology Sciences, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, January, 1998.
49. "Persistent Pulmonary Hypertension of the Newborn: is the Answer NO?" Grand Rounds, Departments of Pediatrics and Obstetrics and Gynecology, Loma Linda University School of Medicine, Loma Linda, CA, February, 1998.
50. "Regulation of Endothelial Nitric Oxide Synthase in the Developing Lung: Location, Location, Location". Visiting Professor, Center for Perinatal Biology, Departments of Physiology and Pharmacology and Departments of Pediatrics and Obstetrics and Gynecology, Loma Linda University School of Medicine, Loma Linda, CA, February, 1998.
51. "Fetal-Neonatal Medicine". APS-SPR State of the Art Plenary Session Chairman, Pediatric Academic Societies' Annual Meeting, New Orleans, LA, May, 1998.
52. "Regulation of Nitric Oxide Synthase Gene Expression in the Developing Lung". American Heart Association Conference on Control Mechanisms in the Fetal and Neonatal Pulmonary Circulation, Sedalia, CO, September, 1998.
53. "Rapid Activation of Endothelial Nitric Oxide Synthase by Estrogen". Plenary Session, First International Meeting on Rapid Responses to Steroid Hormones, Mannheim, Germany, September, 1998.
54. "Molecular Regulation of Nitric Oxide Synthases". Session Chairman, American Heart Association 71th Scientific Sessions, Dallas, TX, November, 1998.
55. "Regulation of Nitric Oxide Synthase in the Developing Lung: Location, Location, Location". 15th Annual Children's National Medical Center Symposium on ECMO and Advanced Therapies for Respiratory Failure. Sponsored by the George Washington University Medical Center. Keystone, CO, February, 1999.
56. "Dilemmas in the Study of Nitric Oxide Synthase in the Developing Lung". Southeastern Conference on Perinatal Research, Islamorada, FL, March, 1999.
57. "Role of Plasmalemmal Caveolae in Signal Transduction". Symposium Chairman, Experimental Biology '99, Washington, DC, April, 1999.
58. "Rapid Effects of Estrogen on Vascular Endothelium". North American Vascular Biology Organization, Vascular Biology '99, Washington, DC, April, 1999.
59. "Caveolae and Endothelial Nitric Oxide Synthase". Symposium on the Role of Plasmalemmal Caveolae in Signal Transduction, Experimental Biology '99, Washington, DC, April, 1999.

60. "Genomic and Nongenomic Effects of Estrogen on Vascular Endothelium". Visiting Professor, Departments of Internal Medicine and Physiology, University of Kentucky College of Medicine, Lexington, KY, April, 1999.
61. "Developmental Pharmacology: Drug Effects on Neonatal Angiogenesis and Vascular Function". Session Chairman, Pediatric Academic Societies' Annual Meeting, San Francisco, CA, May, 1999.
62. "Role of Estrogen Receptors in Vascular Endothelium". Conference on Endothelium Derived Vasoactive Substances and Free Radicals in Perinatal Biology, NICHD, Alexandria, VA, May, 1999.
63. "Current Concepts in Actions of Estrogen on Vascular Wall". Session Chairman, Conference on Endothelium Derived Vasoactive Substances and Free Radicals in Perinatal Biology, NICHD, Alexandria, VA, May, 1999.
64. "Estrogen Receptor Signaling: Nongenomic Signaling by Estrogen Receptors". Cardiovascular Seminar, Council on Arteriosclerosis, Thrombosis and Vascular Biology, American Heart Association 72nd Scientific Sessions, Atlanta, GA, November, 1999.
65. "Nitric Oxide in Vascular Health and Disease: From Here to Eternity". Grand Rounds, Department of Pediatrics, University of Minnesota, Minneapolis, MI, February, 2000.
66. "Marriage of eNOS to Plasmalemmal Caveolae. Something Old, Something New, Something Borrowed, Something Blue". Research Seminar, Department of Physiology, University of Minnesota, Minneapolis, MI, February, 2000.
67. "Regulation of Endothelial Nitric Oxide Synthase: Location, Location, Location". Research Seminar, Departments of Medicine and Physiology, Tufts University School of Medicine, Boston, MA, March, 2000.
68. "Novel Role of Estrogen Receptors in Vascular Endothelium". Interdisciplinary Graduate Program, University of Florida College of Medicine, Gainesville, FL, April, 2000.
69. "Nongenomic Actions of Steroid Hormones: Estrogen and Endothelial Nitric Oxide Synthase". Scientific Symposium, The 2000 Endocrine Society Annual Meeting, Toronto, Canada, June, 2000.
70. "Estrogen Receptor Function in Vascular Endothelium: Location, Location, Location". Vascular Biology and Hypertension Program, Department of Medicine, The University of Alabama at Birmingham School of Medicine, Birmingham, AL, October, 2000.
71. "Estrogen Receptors: Novel Non-genomic Activation Pathways". Scientific Symposium: Estrogen as a Modulator of Kidney and Urogenital Function, American Society of Nephrology, 33rd Annual Meeting & Scientific Exposition, Toronto, Canada, October, 2000.
72. "NO Signaling". Session Moderator, American Heart Association 73rd Scientific Sessions, New Orleans, LA, November, 2000.
73. "Fetal Origins of Adult Vascular Disease: You Are What Your Mother Eats". Grand Rounds, Department of Pediatrics, University of Texas Southwestern Medical Center, Dallas, TX, January, 2001.

74. "Fetal Origins of Adult Vascular Disease: You Are What Your Mother Eats". Grand Rounds, Department of Internal Medicine, University of Arkansas for Medical Sciences, Little Rock, AR, March, 2001.
75. "Estrogen Receptor Function in Vascular Endothelium: Location, Location, Location". Grand Rounds, Department of Endocrinology, University of Arkansas for Medical Sciences, Little Rock, AR, March, 2001.
76. "Regulation of Nitric Oxide Production in the Developing Lung: Location, Location, Location". 28th Neonatal and Infant Symposium, Harbor-UCLA Medical Center, Lake Tahoe, NV, March, 2001.
77. "Estrogen and Nitric Oxide Production: Does the Placenta Tell the Lung it's Time to Take Over?". 28th Neonatal and Infant Symposium, Harbor-UCLA Medical Center, Lake Tahoe, NV, March, 2001.
78. "Dilemmas in the Use of Inhaled Nitric Oxide Therapy". 28th Neonatal and Infant Symposium, Harbor-UCLA Medical Center, Lake Tahoe, NV, March, 2001.
79. "New Therapeutic Approaches to Pulmonary Hypertension". 28th Neonatal and Infant Symposium, Harbor-UCLA Medical Center, Lake Tahoe, NV, March, 2001.
80. "Case study: Term Infant with Refractory Pulmonary Hypertension". 28th Neonatal and Infant Symposium, Harbor-UCLA Medical Center, Lake Tahoe, NV, March, 2001.
81. "Rapid Activation of Endothelial NO Synthase by Estrogen". Second International Meeting on Rapid Responses to Steroid Hormones, Denver, CO, June, 2001.
82. "Molecular Mechanisms Mediating Endothelial Function in the Developing Pulmonary Circulation". 7th World Congress for Microcirculation, Sydney, Australia, August, 2001.
83. "Understanding Nitric Oxide Synthase Activation in Vascular Endothelium: Where Are We?". 3rd Annual Molecular Cardiology Research Institute Scientific Retreat, Tufts University School of Medicine, Boston, MA, October, 2001.
84. "SR-BI Action in Endothelial Cells". Third Annual International Conference on HDL Cholesterol, Boston, MA, February, 2002.
85. "Fetal Origins of Adult Vascular Disease: You Are What Your Mother Eats". Grand Rounds, Department of Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA, March, 2002.
86. "Molecular Basis of Nongenomic Estrogen Action". Center for Research on Reproduction & Women's Health, University of Pennsylvania School of Medicine, Philadelphia, PA, March, 2002.
87. "Nitric Oxide and the Genesis of Chronic Lung Disease". Neonatal Research Conference, Department of Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA, March, 2002.
88. "Lipids and the Fetal Origins of Adult Vascular Disease: You Are What Your Mother Eats". The Journal of Physiology Symposium, Society for Gynecological Investigation, Los Angeles, CA, March, 2002.
89. "Fetal Origins of Adult Vascular Disease: You Are What Your Mother Eats". Grand Rounds, Department of Pediatrics, University of Pittsburgh School of Medicine, Pittsburgh, PA, April, 2002.

90. "Estrogen Receptor Function in Vascular Endothelium: Location, Location, Location". Research Seminar, Magee-Womens Research Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA, April, 2002.
91. "Novel Mechanisms of HDL Action". LXVII Cold Spring Harbor Symposium on Quantitative Biology: The Cardiovascular System, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, June, 2002.
92. "HDL, SR-BI and Endothelial Function: Location, Location, Location". National Atherosclerosis Forum 2002, Vancouver, British Columbia, Canada, October, 2002
93. "The Impact of Lipoproteins on Endothelial Function: You are What Your Mother Eats". Western Pharmacological Society 46th Annual Meeting, Lake Tahoe, NV, February, 2003.
94. "Bronchopulmonary Dysplasia: How Are We Doing and Where Are We Going"? 35th Annual Kenneth C. Haltalin Pediatric Seminar "Pediatrics for the Practitioner", Dallas, TX, April, 2003.
95. "Nitric Oxide and the Genesis of Chronic Lung Disease." Lung Club, Pediatric Academic Societies Annual Meeting, Seattle, WA, May, 2003.
96. "Signaling via eNOS Activation in Caveolae". Symposium on Rafts and Caveolae, American Thoracic Society International Conference, Seattle, WA, May, 2003.
97. "Nitric Oxide Synthase and Endothelial Dysfunction: Living on the Edge." Department of Pediatrics, Vanderbilt University Medical Center, Nashville, TN, June, 2003.
98. "Proximal Mechanisms Mediating eNOS Activation by Estrogen." Third International Meeting of Rapid Responses to Steroid Hormones, Florence, Italy, September, 2003.
99. "eNOS Regulation in Caveolae: Identifying the Battlefield and the Combatants in the War of Endothelial Function." Whitaker Cardiovascular Institute, Boston University School of Medicine, Boston, MA, September, 2003.
100. "Nitric Oxide and the Genesis of Chronic Lung Disease." Department of Pediatrics, Columbia University College of Physicians and Surgeons, New York, NY, October, 2003.
101. "eNOS Regulation in Caveolae: Identifying the Battlefield and the Combatants in the War of Endothelial Function." Division of Molecular Medicine, Department of Medicine, Columbia University College of Physicians and Surgeons, New York, NY, October, 2003.
102. "Nitric Oxide and the Genesis of Chronic Lung Disease". Grand Rounds, Department of Pediatrics, CHOP, University of Pennsylvania, Philadelphia, PA, December, 2003.
103. "Endothelial Function and the Molecular Regulation of eNOS: Living on the Edge". Thrombosis Cardiology Seminar, Department of Medicine, University of Pennsylvania, Philadelphia, PA, December, 2003.
104. "Preventing Chronic Lung Disease: Is the Answer NO?". 3rd Annual AAP Perinatal Section, District VII Meeting, New Orleans, LA, February, 2004.

105. "Nitric Oxide and the Genesis of Chronic Lung Disease". Grand Rounds, Department of Pediatrics, Columbus Children's Hospital, Ohio State University, Columbus, OH, February, 2004.
106. "eNOS Regulation in Caveolae". Columbus Children's Research Institute, Ohio State University, Columbus, OH, February, 2004.
107. "HDL, SR-BI and the Vascular Endothelium". Esperion Therapeutics (A Division of Pfizer Global Research and Development), Ann Arbor, MI, April, 2004.
108. "Preventing Chronic Lung Disease: Is the Answer NO?". Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI, April, 2004.
109. "eNOS Regulation in Caveolae: Identifying the Battlefield and the Combatants in the War of Endothelial Function". Research Seminar, Cardiovascular Research Center, Medical College of Wisconsin, Milwaukee, WI, April, 2004.
110. "Vascular Dysfunction, Atherosclerosis and Menopause ". Biology of the Perimenopause: Impact on Health and Aging Workshop, National Institute on Aging (NIA) and Office of Research on Women's Health (ORWH), Bethesda, MD, May, 2004.
111. "Molecular Mechanisms of HDL Action in Endothelium". Gordon Research Conference on Lipoprotein Metabolism, Kimball Union Academy, Meriden, NH, June, 2004.
112. "Mechanisms of Estrogen Action in Endothelium: New Perspectives About Protagonists and Antagonists". FASEB Summer Research Conference on Steroid Hormone Receptors: Integration of Plasma Membrane- and Nuclear-Initiated Signaling in Hormone Action, Tucson, AZ, July 31-August, 2004.
113. "Cell Signaling Mechanisms Dictating Endothelial Function". FASEB Summer Research Conference on Molecular and Cellular Signaling in the Perinatal Cardiovascular System, Tucson, AZ, August, 2004.
114. "Signaling Modules in Caveolae/Lipid Rafts: Good Things Come in Small Packages". Mead-Johnson Lecturer, 35th Annual Meeting of the Perinatal Research Society, Banff, Alberta, Canada, October, 2004.
115. "Role of Nitric Oxide in the Genesis of Chronic Lung Disease". Neonatology Update: New Directions in Nitric Oxide Therapy, Baylor College of Medicine, Houston, TX, January, 2005.
116. "Preventing Chronic Lung Disease: Is the Answer NO?". Neonatology 2005 Conference, Emory University School of Medicine, Atlanta, GA, March, 2005.
117. "Fetal Origins of Adult Vascular Disease: You are What Your Mother Eats". Neonatology 2005 Conference, Emory University School of Medicine, Atlanta, GA, March, 2005.
118. "Nitric Oxide and the Genesis of Chronic Lung Disease". Perinatal Research Center, University of Colorado Health Sciences Center, Aurora, CO, April, 2005.
119. "Nitric Oxide and the Pathogenesis of Chronic Lung Disease". Mini-Symposium: Neonatal Chronic Lung Disease: Novel Insights and Therapies, American Thoracic Society International Conference, San Diego, CA, May, 2005.

120. "Signaling Modules in Endothelial Cell Caveolae: Good Things Come in Small Packages". Mead Johnson 66th Perinatal & Developmental Medicine Symposium: Developmental Aspects of the Cardiovascular System, Aspen, CO, June, 2005.
121. "Nitric Oxide and the Genesis of Chronic Lung Disease". Mead Johnson 66th Perinatal & Developmental Medicine Symposium: Developmental Aspects of the Cardiovascular System, Aspen, CO, June, 2005.
122. "HDL Signaling and the Regulation of Endothelial Cell Phenotype". 2005 Kern Aspen Lipid Conference on HDL Metabolism and Nuclear Receptors: A New Frontier for the Treatment of Atherosclerosis, Aspen, CO, August, 2005.
123. "Preventing Chronic Lung Disease: Is the Answer NO?" Grand Rounds, Rush University Medical Center, Chicago, IL, December, 2005.
124. "Fetal Origins of Adult Vascular Disease: You are What Your Mother Eats". Noon Conference, Rush University Medical Center, Chicago, IL, December, 2005.
125. "Molecular Basis of Nongenomic Estrogen Action". Reproductive Biology Research Seminar, Northwestern University Feinberg School of Medicine, Chicago, IL, February, 2006
126. "Preventing Chronic Lung Disease: Is the Answer NO?". Grand Rounds, Department of Pediatrics, Health Science Center, State University of NY, Stony Brook, NY, March, 2006.
127. "Fetal Origins of Adult Vascular Disease: You are What Your Mother Eats". Department of Pediatrics, Health Science Center, State University of NY, Stony Brook, NY, March, 2006.
128. "Atherosclerosis Risk Factors and Signaling Modules in Endothelial Cell Caveolae". 2006 Keystone Symposia: Molecular Biology of the Vasculature, Keystone, CO, April, 2006.
129. "New Ligands and Protein-Protein Interactions for Old Receptors". 9th Frontiers in Nuclear Receptor Action Conference, Ft. Myers, FL, April, 2006.
130. "The Cold, Hard Truth About Pediatric Research". SPR Presidential Address, Pediatric Academic Societies Annual Meeting, San Francisco, CA, April-May, 2006.
131. "Fetal Homeland Security: New Insights into Old Threats". State-of-the-art Symposium Chair, Pediatric Academic Societies Annual Meeting, San Francisco, CA, April-May, 2006.
132. "Molecular Basis of Nongenomic Estrogen Action in Vascular Endothelium". Rapid Actions of Estrogen Symposium. ENDO 2006, 88th Annual Meeting of The Endocrine Society, Boston, MA, June, 2006.
133. "SR-BI and the Regulation of Endothelial Cell Phenotype". International HDL Research Summit Meeting, Paris, France, October, 2006.
134. "CRP Fc(RIIB and the Genesis of Vascular Disease". Autoimmunity and Inflammation Program, Hospital for Special Surgery, and Weill Medical College of Cornell University, New York, NY, October, 2006.

135. "Signaling Molecules in Endothelial Cell Caveolae: Identifying the Battlefield and the Combatants in the War of Cardiovascular Health". Department of Pediatrics, Weill Medical College of Cornell University, New York, NY, October, 2006.
136. "Nitric Oxide and Diseases of the Developing Lung". Visiting Lectureship in Honor of Peter A.M. Auld, MD., Weill Medical College of Cornell University, New York, NY, October, 2006.
137. "The Journey of the Physician-Scientist". Department of Pediatrics, New York Presbyterian Hospital, Weill Medical College of Cornell University, New York, NY, October, 2006.
138. "Endothelial Function and NO Synthase". Moderator, American Heart Association Scientific Sessions 2006, Chicago, IL, November, 2006.
139. "Signaling Molecules in Endothelial Cell Caveolae: Identifying the Battlefield and the Combatants in the War of Cardiovascular Health". Plenary Speaker, Eastern Society for Pediatric Research Annual Meeting, Philadelphia, PA, March, 2007.
140. "HDL, SR-BI and the Regulation of Endothelial Cell Phenotype". Department of Cell Biology, Lerner Research Institute, Cleveland Clinic Foundation, Seminar Conference, Cleveland, OH, March, 2007.
141. "Nitric Oxide and the Genesis of Chronic Lung Disease". 24th Conference on High Frequency Ventilation of Infants, Children and Adults, 9th Robert deLemos Memorial Lecture, Snowbird, UT, March, 2007.
142. "Signaling Molecules in Endothelial Cell Caveolae: Identifying the Battlefield and the Combatants in the War on Cardiovascular Health". Department of Pediatrics, University of Iowa School of Medicine, Iowa City, IA, April, 2007.
143. "Preventing Chronic Lung Disease: Is the Answer NO?" Grand Rounds, Department of Pediatrics, University of Iowa School of Medicine, Iowa City, IA, April, 2007.
144. "Molecular Basis of Nongenomic Estrogen Action in Vascular Endothelium". Wyeth Research Seminar, Collegeville, PA, June, 2007.
145. "The Molecular Basis of Nongenomic Activation of Endothelial Nitric Oxide Synthase by Estradiol". 5th International Rapid Responses to Steroid Hormones, Dublin, Ireland, September, 2007.
146. "Caveolae, Atherosclerosis and Restenosis: Signaling in Endothelial Cell Caveolae". Plenary Speaker, 9th National Atherosclerosis Forum, Montreal, Canada, September, 2007.
147. "Sex Differences in Cardiovascular Risk: Basic Mechanisms". Plenary Speaker, North American Menopause Society Meeting, Dallas, TX, October, 2007.
148. "HDL, SR-BI and the Regulation of Endothelial Cell Phenotype". IAS HDL Workshop 2007, Santorini, Greece, October, 2007.
149. "New Ligands and Protein-Protein Interactions for an Old Receptor". Canadian Cardiovascular Congress, Symposium I, Quebec City, Canada, October, 2007.

150. "Signaling in Endothelial Cell Caveolae". Seventh McLaughlin Symposium in Infection and Immunity, The University of Texas Medical Branch, Galveston, TX, November, 2007.
151. "Signaling in Caveolae Governing Endothelial Cell Phenotype". Penn Cardiovascular Institute Seminar Series, University of Pennsylvania School of Medicine, Philadelphia, PA, December, 2007.
152. "CRP-induced Hypertension: Role of Nitric Oxide and the RAS". Angiotensin Gordon Conference - Cellular Mechanisms to Clinical Outcomes, Ventura, CA, February, 2008.
153. "Nongenomic ER Action, G Proteins and Cardiovascular Protection". FASEB Summer Conference, Extra-Nuclear Steroid Receptors: Integration with Multiple Signaling Pathways, Carefree, AZ, July, 2008.
154. "New Insights into the Cardiovascular and Pulmonary Actions of Estrogen: A Hormone for the Ages". Jerry Elliott Memorial Lecture, Austin, TX, October, 2008.
155. "Signaling Networks Governing Vascular Health and Disease". University Lecture, UT Southwestern, Dallas, TX, October, 2008.
156. "Molecular Basis and Functional Implications of Cell Signaling by HDL and SR-BI". Department of Biochemistry, Boston University School of Medicine, Boston, MA, January, 2009.
157. "Mechanisms of Estrogen Action in the Vasculature: New Insights into the Protagonists and Antagonists". Molecular Medicine Series, Tufts Medical Center, Boston, MA, January, 2009.
158. "Caveolae and the Regulation of Endothelial Cell Phenotype: Location, Location, Location". Fourth Annual Joseph B. Warshaw Lecture. Association of Medical School Pediatric Department Chairs/Frontiers in Science Meeting, Savannah, Georgia, March, 2009.
159. "Nongenomic Estrogen Receptor Signaling, G-Proteins and Cardiovascular Protection". Estrogen, SERMs and TSECs Scientific Meeting, Fort Myers, FL, April, 2009.
160. "Molecular Basis of Estrogen Action in Vascular Cells: New Insights into the Protagonists and Antagonists". Department of Physiology and Pharmacology, Oregon Health & Science University, April, 2009.
161. "HDL Signaling Through SR-BI". Department of Pathology, University of Cincinnati College of Medicine, Genome Research Institute, April, 2009.
162. "New Insights into the Vascular Actions of Estrogen". Department of Pediatrics, University of Cincinnati, April, 2009.
163. "Nitric Oxide in Bronchopulmonary Dysplasia: Past, Present and Future". Department of Pediatrics, University of Cincinnati, April, 2009.
164. "Nitric Oxide in BPD: Past, Present and Future". Pediatric Grand Rounds, Massachusetts General Hospital, Harvard Medical School, September, 2009.
165. "New Insights into the Vascular Actions of Estrogen". Research Conference, Massachusetts General Hospital, Harvard Medical School, September, 2009.

166. “Endothelial Repair, Regeneration, and Function: Modulation by CRP”, Basic and Clinical Science Symposium, American Society of Nephrology Annual Meeting, San Diego, CA, October, 2009.
167. “Circulating Cardiovascular Disease Risk Factors and Signaling in Endothelial Caveolae”. Plenary Session, Society for Free Radical Biology and Medicine, San Francisco, CA, November, 2009.
168. “Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally”. The Strauss Lecture, Vanderbilt Children’s Hospital, Nashville, TN, April 2010.
169. “Vascular Biology of the HDL Receptor SR-BI and its Adaptor Protein PDZK1”. Department of Medicine, Vanderbilt Children’s Hospital, Nashville, TN, April 2010.
170. “Non-nuclear Estrogen Receptors and a Novel Selective Estrogen Receptor Modulator”. Featured Topic Symposium, Experimental Biology Annual Meeting, Anaheim, CA, April 2010.
171. “Extranuclear Actions of Estrogen in the Vasculature”. Basic Science Symposium, Endocrine Society 92nd Annual Meeting, San Diego, CA, June 2010.
172. “Basic Biology of Hormone Replacement Therapy (HRT) with Estrogen to Prevent Cardiovascular Disease: How to Help and not HRT.” UT Southwestern Obesity Alliance Seminar Series on Nutrition, Metabolism and Obesity, September, 2010.
173. “Biology of Bronchopulmonary Dysplasia (BPD) and Rationale for Inhaled Nitric Oxide Therapy”. NIH Consensus Development Program, Bethesda, MD, Oct, 2010.
174. “Novel Endogenous and Exogenous SERMs and Cardiovascular Health”. Estrogens, SERMs, and TSECs Scientific Meeting, Clearwater FL, April, 2011.
175. “Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally”. Keynote Speaker, 30th Annual Pratt Lectures, Cincinnati Children’s Medical Center, University of Cincinnati College of Medicine, Cincinnati OH, May, 2011.
176. “Recent insights into the Vascular Biology of the HDL Receptor SR-BI and its Adaptor Protein PDZK1.” Department of Pathology, Metabolic Disease Institute, University of Cincinnati College of Medicine, Cincinnati OH, May, 2011.
177. “Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally”. Department of Pediatrics, Boston Children’s Hospital, Harvard Medical School, Research Poster Symposium, Keynote Speaker, June 2011.
178. “The Endogenous Selective Estrogen-Receptor Modulator 27-Hydroxycholesterol Promotes Breast Cancer Tumor Growth”. Era of Hope Conference, Department of Defense, Orlando, FL, August 2011.
179. “Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease”. Department of Medicine, University of Rochester School of Medicine and Dentistry, Aab Cardiovascular Research Institute, Rochester, NY, September 2011.

180. "Biology of Nitric Oxide in Bronchopulmonary Dysplasia" Bronchopulmonary Dysplasia (BPD) Conference: Just Say NO, UT Southwestern Medical Center, Dallas, TX, October 2011.
181. "Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease". Harvard University Beth Israel Deaconess Medical Center, Center for Vascular Biology Research (CVBR), Boston, MA, November 2011.
182. "Vascular Actions of C-reactive Protein in Mice". Harvard School of Public Health, Center for Cardiovascular Disease Prevention, Brigham and Women's Hospital, Boston, MA, November 2011.
183. "Fc Receptors and the Impact of CRP on Vascular and Metabolic Health: IIB or not IIB". Department of Medicine, University of Alabama at Birmingham, Vascular Biology and Hypertension Seminar, Birmingham, AL, April, 2012.
184. "Fc Receptors and Vascular and Metabolic Health: IIB or not IIB". "UT Southwestern Obesity Alliance Seminar Series on Nutrition, Metabolism and Obesity, April, 2012.
185. "Basis and Consequences of Non-nuclear ER Function in the Cardiovascular System". FASEB Summer Research Conference: Integration of Genomic and Non-Genomic Steroid Receptor Actions, Snowmass, CO, July 29 – August 3, 2012.
186. "Fc Receptors and Metabolic Health: IIB or not IIB". Endocrinology Grand Rounds, Baylor University College of Medicine, Houston, TX, November, 2012.
187. "Fc Receptors and the Genesis of the Metabolic Syndrome: IIB or not IIB". Center for Metabolic and Degenerative Disease, Institute of Molecular Medicine, University of Texas Medical School at Houston, Houston, TX, March, 2013.
188. "Combating Metabolic and Cardiovascular Disease with SERMs". Estrogens, SERMs, and TSECs Scientific Meeting, Clearwater FL, May, 2013.
189. "Vascular Biology of Estrogen Receptors: Location, Location, Location". Cell & Molecular Biology Seminar, The Center for Cardiovascular Research, University of Hawaii, John A. Burns School of Medicine, Honolulu, HI, August, 2013.
190. "Metabolic Syndrome in Children: Breaking it Down". Pediatrics Grand Rounds Kapiolani Hospital, University of Hawaii, John A. Burns School of Medicine, Honolulu, HI, August, 2013.
191. "Non-nuclear Estrogen Receptor Alpha and Cardiometabolic Disorders." Rapid Responses to Steroid Hormones 8th International Meeting, Erie, PA, Sept, 2013.