

CURRICULUM VITAE



PERSONAL INFORMATION:

Name: Ronald R. Magness, Ph.D.

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Birthplace: Philadelphia, PA

Family: Wife: Susan Elaine Magness, BA
Son: David Jeremiah Magness, BA, DO; DOB 9/23/83
Daughter: Tova Myra Magness, CVT, LAT, BS; 7/18/85-12/22/17

EDUCATION:

1973 - 1977 Pennsylvania State University, University Park, PA, Major: Animal Science, BS; Graduated with Distinction.

1977 - 1979 Arizona State University, Tempe, AZ, Major: Endocrinology Reproductive Physiology, MS; Graduated with Honors (Cum Laude).

1979 - 1982 Iowa State University, Ames, IA, Major: Endocrinology Reproductive Physiology, PhD.

1982 - 1984 University of Texas Southwestern Medical Center, Dallas, TX,
Department of Pediatrics, Division of Neonatology, and Green Center for
Reproductive Biology Sciences, Postdoctoral Research Fellow.

UNIVERSITY APPOINTMENTS:

September 1984 - 1986	University of Texas Southwestern Medical Center at Dallas: Faculty Research Assistant Instructor/Scientist, Department of Pediatrics, Division of Neonatology.
August 1983 - 1990	Brookhaven Community College of Dallas, Department of Math and Science, Adjunct Faculty Instructor for the Two Undergraduate Nursing/Anatomy & Physiology Courses with Laboratories.
September 1986 - 1991	University of Texas Southwestern Medical Center at Dallas: Assistant Professor, Departments of Pediatrics and Obstetrics/Gynecology (Official Ob/Gyn appointment Jan 1988).
September 1991 - 1994	University of Texas Southwestern Medical Center at Dallas: Associate Professor of Pediatrics and Obstetrics/Gynecology.
June 1994- March 2016	Director, Perinatal Research Laboratories Professor with Tenure of Obstetrics/Gynecology and Animal Sciences and Pediatrics, (Official Pediatrics appointment July, 2000) University of Wisconsin-Madison.
May 1997-March 2016	Director, Department of Obstetrics/Gynecology Division of Reproductive Sciences.
June 1997-March 2016	Associate Director Endocrine Reproductive Physiology Graduate Training Program (Interim Director 1998-2000).
July 2005-March 2016	Scientific Director, Department of Obstetrics/Gynecology Maternal Fetal Medicine Fellowship (D Shah, MD. PI; Co-Director).
July 2008-March 2016	Vice Chair for Research Administration, Department of Obstetrics and Gynecology.
March 2016- Present	Professor of Obstetrics/Gynecology. Tenure awarded December, 2015. Director, University of South Florida Perinatal Research Vascular Center.

AD HOC REVIEWER:

United States Department of Agriculture - Developmental Biology and Growth - Research Grant, 1986.

National Science Foundation - Regulatory Biology - Research Grant, 1988.

The Veterans Administration - Washington, DC - Research Grant, 1989.

The Hospital for Sick Children Foundation - Toronto, Ontario - Research Grant, 1989.

University Research Committee - Loma Linda University - Research Grant, 1989.

United States Department of Agriculture (USDA) - Reproductive Biology/Physiology - Ad Hoc Reviewer of Research Grants, May 1991.

American Heart Association, Texas Affiliate Grant Study Section, 1991.

National Institutes of Health, Program Project Site Visit, San Francisco, CA, 1991.

American Heart Association, Texas Affiliate Grant Study Section, April 1992.

Endometrial Function and Dysfunctional Uterine Bleeding - National Institutes of Health, Invited Speaker and Task Force Panelist for Proposed RFA, May 1992.

United States Department of Agriculture (USDA) - Reproductive Biology/Physiology - Research Ad Hoc Reviewer, May 1992.

Harbor UCLA Medical Center, Ad Hoc Promotion and Tenure Reviewer, 1992.

American Heart Association, Texas Affiliate Grant Study Section, April 1993.

Oregon Health Sciences Center, Ad Hoc Promotion and Tenure Reviewer, 1993.

National Institutes of Health, RFA Study Section Member Cardiovascular Issues in Women; NHLBI, April 1993.

National Institutes of Health, HED-1 Ad Hoc Study Section Member, June 1993.

National Institutes of Health, HED-1 Ad Hoc Study Section Reader, October 1993.

National Institutes of Health, HED-1 Ad Hoc Study Section Reader, February 1994.

United States Department of Agriculture (USDA) - Reproductive Biology/Physiology - Research Ad Hoc Reviewer, May 1994.

American Heart Association, Texas Affiliate Grant Study Section, April 1994.

Alberta Heritage Foundation for Medical Research, Edmonton, Alberta; Research Grant Ad Hoc Reviewer, October 1995 & 1997.

Medical Council of Canada, Research Grant Ad Hoc Reviewer, 1996, 1997, 1998, 1999 & 2000.

The Hospital for Sick Children Foundation - Toronto, Ontario - Research Grant, 1997.

Chair, No Name Society Meeting, Madison, WI. May 1997.

Wellcome Trust, Great Britain, Research Grant Ad Hoc Reviewer, October 1997.

The Lalor Foundation Ad Hoc Reviewer, 1998.

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston,
Department of Ob/Gyn, Associate Professor Level, October 1998.

Tropical Agricultural Pacific: T-Star Proposal; Reproductive Improvement Research Grant
(USDA) Proposal - 1998.

United States Department of Agriculture (USDA) - Improving Reproductive Efficiency -
Research Ad Hoc Reviewer, May 1998 & 1999.

Medical Research Council of New Zealand, Research Grant Ad Hoc Reviewer, 1996 & 1998 (3
grants).

Wellcome Trust, Great Britain, Research Grant Ad Hoc Reviewer, October 1998.

National Institutes of Health, HED-1 Study Section Regular Member, October 1998-2002.

Well-being/RCOG, London, England, Research Grant, 1999.

Medical Research Council of New Zealand, Research Grant Ad Hoc Reviewer, 1999.

National Institutes of Health – Heart Lung Blood Institute Program Project Site Visit, September
1999.

John Sealy Memorial Endowment Fund for Biomedical Research, UTMB-Galveston Grant,
February 1999.

Ad Hoc Review of Promotion and Tenure, Washington University School of Medicine, Saint
Louis, Department of Ob/Gyn., Associate Professor Level, February 2000.

Ad Hoc Review Promotion and Tenure, Mayo Clinic, Professor Level, March 2000.

VA Hospital Grant in Aid – Estrogen and mechanical forces effects on endothelial function, July
2000.

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston,
Department of Ob/Gyn, Professor Level, November 2000.

Ad Hoc Review of Promotion and Tenure, University of Alberta Department of Ob/Gyn and
Physiology Perinatal Research Center, Alberta Canada, Associate Professor Level, September
2000.

National Institutes of Health – Heart Lung Blood Institute Program Project Site Visit, September 2000.

Ad Hoc Review of University of Alberta Dept. of Ob/Gyn and Physiology Perinatal Research Center, Alberta Canada, Grant in Aid, Oct 2000.

Ad Hoc Review of Promotion and Tenure, Louisiana State University School of Medicine, Department of Ob/Gyn, Associate Professor Level, October 2000.

National Science Foundation Grant in Aid, Physiology and Behavior Section, October 2000.

Wellcome Trust, Great Britain, Research Grant Ad Hoc Reviewer, October 2000.

Chair, Post SSR Perinatal Research Satellite Meeting, Madison, WI. July 2000.

Ad Hoc Review Promotion and Tenure, Loma Linda University School of Medicine, Professor Level, January 2001.

Ad Hoc Review Promotion and Tenure, University of Texas Southwestern Medical Center at Dallas, Department of Pediatrics, Associate Professor Level, February 2001.

Ad Hoc Review Promotion and Tenure, SUNY, Stonybrook, Professor Level, March 2001.

United States Department of Agriculture (USDA) - Improving Reproductive Efficiency - Research Ad Hoc Reviewer, May 2001.

Ad Hoc Review Promotion and Tenure, University of Texas Southwestern Medical Center at Dallas, Department of Pediatrics, Associate Professor Level, June 2001.

Ad Hoc Review Promotion and Tenure, Northwestern University Medical School, Department of Ob/Gyn, Associate Professor Level, July 2001.

Ad Hoc Review Promotion and Tenure, Case Western Reserve University, Department of Ob/Gyn; Reproductive Biology, Associate Professor Level, September 2001.

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston, Department of Ob/Gyn, Associate Professor Level, November 2001.

Ad Hoc Review Martha Cook Piper Research Prize, University of Alberta, March 2002.

Ad Hoc Review Promotion and Tenure, North Dakota State University, Department of Animal and Range Sciences, Associate Professor Level, September 2002.

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston, Department of Ob/Gyn, Associate Professor Level, September 2002.

Ad Hoc Review Promotion and Tenure, Wake Forest University, Department of Ob/Gyn, Professor Level, November 2002.

National Institutes of Health – Special Study Section for Study Section Members, July 2003 (Phone Reviews).

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston, Department of Ob/Gyn, Associate Professor Level, December 2003.

Ad Hoc Review of Promotion and Tenure, University of Maryland Department of Ob/Gyn and Physiology, Baltimore, MD. Associate Professor Level, July 2004.

Ad Hoc Review Promotion and Tenure, University of California, San Diego, Department of Ob/Gyn, Associate Professor Level, November 2004.

Ad Hoc Review Promotion and Tenure, University of Western Ontario, Distinguished University Professorship, November 2004.

Ad Hoc Review Promotion and Tenure, University of Maryland, Department of Ob/Gyn, Associate Professor Level, November 2004.

National Institutes of Health – Special Study Section RFA: IUGR, February 21-23, 2004.

Program Project External Reviewer, Oregon Health Sciences University, (Kent Thornburg, PI) April 2004.

National Institutes of Health – Special Study Section for Study Section Members, July 2004 (Phone Reviews).

Ad Hoc Review of University of Alberta Perinatal Research Division Department of Ob/Gyn, and Perinatal Research Center, Strategic Hiring Initiative, Alberta, Canada, Assistant Professor Level (2 positions), March 2005.

National Institutes of Health – Special Study Section for Study Section Members, July 2005 (Phone Reviews).

Ad Hoc Review of Promotion and Tenure, University of Alberta Department of Ob/Gyn and Physiology Perinatal Research Center, Alberta Canada, Full Professor Level, August 2005.

Ad Hoc Review of Promotion Harbor UCLA Medical Center, Assistant Professor Step Increase, April 2007.

Ad Hoc Review of Promotion Harbor UCLA Medical Center, Associate Professor, May 2007.

John Sealy Memorial Endowment Fund for Biomedical Research, UTMB-Galveston; 2 Grants, February 2006.

Ad Hoc Reviews Several Canadian Research Grants, 2006.

Ad Hoc Reviewer March of Dimes, Research Grant, January 2006.

Faculty 1000 reviewer. Physiology and Reproductive Medicine, May 2005-2007.

Chair, No Name Society Meeting, Madison, WI. May 2008.

National Institutes of Health – PN Study Section, June 2009.

National Institutes of Health – Special Study Section for P01, February 2009 (Telephone Reviews).

National Institutes of Health – Special Study Section for Study Section Members, June 2010 (Internet Reviews).

British Heart Foundation – Grant Review “Role of the fetoplacental endothelium in the attenuation of blood flow to the fetus during fetal growth restriction.” March 2011.

National Institutes of Health – Special Study Section for Study Section Members, February 2011 (Internet Reviews).

National Institutes of Health – Special Study Section for P01, March 2011 (Phone Reviews).

National Institutes of Health – PN Study Section, February 2013.

Ohio State University grant foundation funds grant review, May 2013.

Ad Hoc Review Promotion and Tenure, University of Baylor College of Medicine, Professor Level, July 2013.

National Institutes of Health – Chair Special Study Section for Study Section Members, August 2013 (Internet Reviews).

UTMB Galveston: NIH Grant Peer review critique program, October 2014.

Ad Hoc Review of Promotion Harbor UCLA Medical Center, Associate Professor in Residence Step II Increase, November 2014.

National Institutes of Health – Chair Special Study Section for Study Section Members, November 2014 (Internet Reviews).

National Institutes of Health –Special Study Section for Study Section Members, February 2015 (Internet Reviews).

National Institutes of Health – Ad Hoc for Special Study Section for R15 Applications, June 2015 (Telephone Reviews).

Ad Hoc National Institutes of Health – PN Study Section, February 2016.

Ad Hoc Review Promotion and Tenure, University of Texas Medical Branch Galveston, Department of Ob/Gyn, Associate Professor Level, April 2016.

P01-Program Project Grant (PPG) External Advisory Research Committee - Loma Linda University - Research Grant. Gautam Chaudhuri, MD, PhD, **Ronald R. Magness, PhD**, Yoel Sadosky, MD, Kent L. Thornburg, PhD (Chair), Chandra Yallampalli, DVM, PhD. February 2017.

Ad Hoc Review of CU REproduction (CURE) Review Panel Research Grant, Pregnancy and Neonatology Study Section, University of Colorado, April 2018.

National Institutes of Health – PN Study Section, Washington, DC. June 2018.

Journals:

Clin. Exp. Hyperten-Hyperten. Preg. / Hypert In Preg, Am. J. Obstet. Gynecol. (Regular and SPO Special Issues), Obstet. & Gynecol., J. Soc. Gynecol. Inv., Maternal Fetal Med J., Biol. Reprod. Editorial Board, J. Reprod. Fertil., J. Animal Science, Intl. J. Gynecol. Obstet., Placenta, Human Reproduction, Fert Sterility, J. Maternal Fetal Med, J. Clin Endo & Metab, J. Clin Invest., J of Endocrinology, Am. J. Physiol. (four sections), Endocrinology, Endocrine Reviews, J. Endocrin., Hypertension, Prostaglandins, J. Cardio. Pharm., Resp. Care J., Alcoholism: Clinical and Exp Research, Prost. Leuko. Essent. Fatty Acids, Pediatr. Res., Early Human Development, J Histochemistry, Chinese J. Physiology Editorial Board, Biol. of Neonate, Human Genetics, Circ. Research, Vascular Pharmacology, NO Biology and Chemistry, Molecular Human Reproduction, Vascular Pharmacology and Experimental Therapeutics, Endothelium, J of Physiology, Proteomics, British Journal of Pharmacology, Domestic Animal Endocrinology (editorial board 2006-2011), Steroids, Hypertension, Biology of Reproduction (editorial board 2014-2017), Circulation, PLOS. 1984 - Present.

Abstract Reviews:

Numerous years for Society for the Study of Reproduction; International Society for the Study of Hypertension in Pregnancy; Society for Gynecologic Investigation/Society for Reproductive Investigation, Society for Pediatrics Research Meetings, Aspen Perinatal Conference, and Developmental Origins of Health and Disease Society.

HONORS:

Phi Sigma Biological Honor Society, 1977.

Co-Principal Investigator, Abstr 36 - Best Paper - American College of Obstetrician Gynecologists, 1987.

Recipient President's Prize Poster Award for Abstr 30 - Society for Gynecologic Investigation, 1988.

Perinatal Research Society, 1988.

Co-Investigator, Abstr 54 - Richard D. Rowe Award - Society for Pediatric Research, 1989.

Lifetime Medical Television, Prostaglandins and Hypertension in Pregnancy, 1989.

Brookhaven College Nursing School Teaching Service Award, 1989.

National Institutes of Health Travel Award for Trip to Perugia, Italy, at the 7th World Congress on Hypertension in Pregnancy, October 1990.

University of Texas, Undergraduate Research Mentor Teaching Award, 1991.

National Institutes of Health Travel Award for Trip to Buenos Aires, Argentina to participate in symposium "Endocrine, Paracrine and Autocrine Regulation of Vascular Tone during Normal Pregnancy" at the 8th World Congress on Hypertension In Pregnancy, November 1992.

Nomination for the Hill (Endowed) Professorship of Animal Biotechnology, Colorado State University, 1993 & 1995.

National Institutes of Health Travel Award for Trip to Sydney, Australia to participate in symposium, Cardiovascular Regulation of Vascular Tone during Normal and Hypertensive Pregnancies at the 9th World Congress on Hypertension in Pregnancy March 1994.

Nomination for the Louis and Artur Lucian Award for Research in Circulatory Diseases, McGill Montreal, 1994.

Co-Investigator, Abstr 123 Poster Award- Society for Perinatal Obstetricians, 1996.

Elected to Perinatal Research Society Council, 1994-1996.

Vilas Associates Research Professorship Award, 1998-2000; (\$50,000 grant award).

Co-Chair: Summer FASEB Meeting on The Perinatal Regulation of the Cardiovascular System: Fundraising and chair of two sessions and poster awards. June 4-9, 2000.

Society for the Study of Reproduction Local Arrangements Committee, 1998-2000. Meeting held July 15-18, 2000.

Chair and Organizer, Perinatal Roundtable Post SSR 2000 Satellite Meeting.

Session Co-Chair-Society for the Study of Reproduction, Ottawa, Canada, July 2001.

Keynote Career Mentor Luncheon Roundtable: Society for the Study of Reproduction, 2001.

Session Chair: Society for Gynecologic Investigation: Maternal Physiology; Los Angeles, CA, March 2002.

Scientific Planning Committee. International Society for the Study of Hypertension in Pregnancy, Toronto, Canada, June 2002.

Society Chair Symposium and Panel Discussion. Endothelial and Vascular changes in Preeclampsia. International Society for the Study of Hypertension in Pregnancy, Toronto Canada June 2002.

Chair: Summer FASEB Meeting on The Cellular and Molecular Regulation of the Perinatal Cardiovascular System: Fundraising and chair of two sessions and poster awards. August 15-23, 2004.

Elected President Perinatal Research Society, Term 2003-2005 (Presidential year 2004).

Physiologic Society Satellite Meeting on Developmental Origin of Health and Disease, San Diego, CA, March 28-31, 2005. Session Chair and Junior Investigators Session Chair Coordinator.

Elected Council Society for Gynecologic Investigation, Term 2004-2007.

Chair: Symposium and Panel Discussion. Maternal Vascular and Hormonal Changes in Pregnancy. Society for the Study of Reproduction, Quebec City, Canada, July 2005.

Session Chair and Invited Speaker: Interaction of Maternal, Placental and Fetal Systems in Perinatal Development Aug 25 - 28, 2007. The Given Institute, Aspen, CO [L. Myatt, S. Davidge and L. Reynolds Symposium Organizers].

Society for Gynecologic Investigation: "Meet the Professor" Special Session, Annual Meeting of the Society for Gynecologic Investigation, Glasgow, Scotland UK, March 2008.

Texas A&M University, College Station Invited Lecture for the Interdisciplinary Faculty of Reproductive Biology Forum: I was the Graduate Student Choice for Invited Mentor Presentation, May 2009.

Session Chair at the Society for Gynecologic Investigation for a Mini-symposium entitled "Emerging Techniques, Annual Meeting of the Society for Gynecologic Investigation, Orlando, FL, March 2010.

Session Chair and Poster Awards Committee at the Aspen Perinatal Biology Conference for "Placental Dysfunction" in Aspen, CO, August 2010.

Committee member for the Society for Gynecologic Investigation Program Committee Abstract Reviews and Meeting Organization, West Palm Beach, FL, November 2010.

Named a Paul Harris Fellow from the Trustees of the Rotary Foundation, January 2011.

Ad Hoc Scientific Vision Workshop on Developmental Origins of Health and Disease Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Invited Participant, February 2011.

Society for Gynecologic Investigation Stood for Office: Secretary Treasurer Nominee, 2012.

Poster Committee Reviewer for the Society for Gynecologic Investigation/Society for Reproductive Medicine (2014- Present), March 2010, 2011, 2012, 2013, 2014, 2015, 2016.

Recipient of the Chester B. Martin, MD Graduate Training Program Mentorship Award, June 2013.

Faculty and Staff Equity and Diversity Award from the University of Wisconsin School of Medicine and Public Health, 2014.

Society Reproductive Investigation Stood for Office: President Elect Nominee, 2015.

Committee member for the Society for the Study of Reproduction Program Committee Abstract Reviews and Session Building, New Orleans, LA, July 2018.

Chair/Organizer SSR Focus Session 15 Entitled: Uterine-Placental Function during Gestation.

Society for the Study of Reproduction, July 16-20, 2016. Program Co-chairs, Dr. Lane Christenson & Dr. Blanche Capel.

-Ronald R. Magness, Ph.D. Introduction and Integration.

-Mandi De Mestre, Ph.D. (SRF Distinguished Lecturer/New Investigator); Royal Veterinary College, Hatfield, UK. **Molecular mechanisms regulating early placental development in the horse.**

-Kent Thornburg, Ph.D. Oregon Health Sciences University, Portland, OR. **Placental plasticity and influence on lifelong cardiovascular disease.**

-Berthold Huppertz, Ph.D. Institute of Cell Biology, Histology and Embryology, Medical University of Graz, Graz, Austria. **Etiology of Preeclampsia: What are the roles of oxygen and (anti-) angiogenic factors and the placenta?**

-Ronald R. Magness, PhD. University of South Florida, Tampa, FL. **Mechanisms controlling endothelial adaptations modulating of uterine and placental blood flows during gestation.**

Chair/Organizer SSR Focus Session 8 Entitled: Placental Control of Development.

Society for the Study of Reproduction, July 9-14, 2018. Program Co-chairs, Dr. Moira O'Bryan and Dr. Bo Rueda.

-Ronald R. Magness, Ph.D. Introduction and Integration.

- Amanda Sferruzzi-Perri, Ph.D. (SSR-SRF EXCHANGE LECTURE); University of Cambridge, Cambridge, UK. **Placental Phenotype and Insulin-like Growth Factor-2 Signalling: Resource Allocation to Fetal Growth**

-Dongbao Chen, Ph.D. University of California-Irvine, Irvine, California, USA. **Gassing the Utero-placental Vasculature and Preeclampsia: An Emerging Role of H₂S.**

-Abstract/Oral Talk: **Sexual Dimorphism of Preeclampsia-Dysregulated Transcriptomic Profiles and Endothelial Function in Fetal Endothelial Cells.** Chi Zhou, Yan Qin, Qing-Yun Zou, Chanel Tyler, Xin-Qi Zhong, Ronald R. Magness, Ian M. Bird, and Jing Zheng, University of Wisconsin-Madison

-Abstract/ Oral Talk: **A Role for Epigenetic Regulation Of ADAMTS Genes In Abnormal Placentation and Preterm Birth.** Sneha Mani, Jayashri Ghosh, Yemin Lan, Suneeta Senapati, Teri Ord, Carmen Sapienza, Christos Coutifaris, Monica Mainigi, University of Pennsylvania

-Flash Talk: **Maternal Nutrient Restriction Decreases Uterine Artery Blood Flow while Increasing Cotyledonary Blood Vessel Density in Angus and Brahman Cattle.** Caleb O. Lemley, Caitlin G. Hart, Racheal L. Lemire, Karrigan J. Bowers, Kalisha C. Yankey, E. Heath King, Richard M. Hopper, Seongbin Park, Derris D. Burnett, Mississippi State University

-Flash Talk: **BRCA1 regulates cell death and differentiation in human placental cells.** Rachel West, Natascha Heise, Gerrit Bouma, Quinton Winger

ORGANIZATIONS AND SOCIETIES:

American Society of Animal Science, 1978-1985.

Society for the Study of Reproduction, 1979- Present.

Society for the Study of Fertility, 1981- Present.

International Society for the Study of Hypertension in Pregnancy, 1986- Present.

Perinatal Research Society, (Former Council member and President) 1988- Present.

The Endocrine Society, 1989 - 1997.

Society for Gynecologic Investigation, (Former Council Member) 1990- Present.

American Heart Association, Grassroots Science Network, 1992- 2010.

University of Wisconsin Cardiovascular Research Center, 1995- 2016.

FASEB, 2001- 2011.

Developmental Origins of Health and Disease, 2007-Present.

American Society for Hypertension, 2010-2016.

COMMITTEES:

University of Texas Southwestern Medical Center at Dallas.

Member - Assessment Sub-committee of the Institutional Animal Resources Center Advisory Committee, 1987-1988.

Chairman - Assessment Sub-committee of the Institutional Animal Resources Center Advisory Committee, 1988-1989.

Member - Ad Hoc Advisory Committee on Accreditation of Laboratory Animal Care, 1989.

Member - Assessment Sub-Committee of the Institutional Animal Resources Center Advisory Committee, 1989-1990.

Member - Assessment Sub-Committee of the Institutional Animal Resources Center Advisory Committee, 1990-1991.

Chairman - Reproductive Biology Journal Club, 1989-1991.

University of Wisconsin-Madison

Endocrine Reproductive Physiology Training Program; University of Wisconsin-Madison, 1994-2016; Advisor Professor Emeritus March 2016-Present.

Chairman - Perinatal Research Conference, University of Wisconsin-Madison, 1994 – March 2016.

Chairman - Perinatal Research Journal Club, University of Wisconsin-Madison, 1997-2006.

Chairman - Ob/Gyn Research Journal Club, University of Wisconsin-Madison, 1998-1999.

University of Wisconsin-Madison, Department of Obstetrics and Gynecology Executive Committee, 1994 – March 2016.

University of Wisconsin-Madison, Department of Obstetrics and Gynecology Executive Sub-Committee on Guidelines for Promotion and Tenure; Sole Author of the Department Guidelines, 1995.

University of Wisconsin-Madison, Department of Obstetrics and Gynecology R & D Committee, 1995 – March 2016.

Chairman-University of Wisconsin-Madison, Department of Obstetrics and Gynecology Maternal Fetal Medicine Director Search Committee, 1995-1996. Member 1996-1997.

Member-University of Wisconsin-Madison, Department of Obstetrics and Gynecology Maternal Fetal Medicine Junior Faculty Member Search Committee, 1996-1997.

Member-University of Wisconsin-Madison, Department of Pediatrics Chairman Search Committee, 1996.

Scientific Research Director - Maternal Fetal Medicine Fellowship (C.B. Martin, MD, Clinical Director), 1995-1997.

Co-chairs (Magness and Bird), the Annual Meeting of the No Name Society, Madison, WI, May 7-10, 1997.

Member-University of Wisconsin-Madison, Department of Pediatrics Neonatology Junior Faculty Member Search Committee, 1998.

Meriter Hospital/University of Wisconsin Research Animal Care Liaison, 1994- March 2016.

University of Wisconsin-Madison, RARC Animal Use Committee, 1996-1999.

Chairman Endocrine Reproductive Physiology Program Recruitment Committee, 1996-2008.

Chairman Endocrine Reproductive Physiology Program Admissions Committee, 1996-2010.

Member Endocrine Reproductive Physiology Program Admissions Committee, 1996-2010.

Society for the Study of Reproduction: Local Planning Meeting for Madison for Year 2000; 1998-2000.

Associate Director Endocrine Reproductive Physiology Program, 1997- March 2016.

Interim Director Endocrine Reproductive Physiology Program, 1998-2000 (while Dr. Bavister was on sabbatical).

Member-University of Wisconsin-Madison, Fall Graduate School Wisconsin Alumni Research Foundation (WARF) Competition Committee, 1997-2000.

University of Wisconsin-Madison, Faculty Senate (alternate), 1999-2001.

University of Wisconsin-Madison, RARC Animal Use Committee, 2000-2003.

Chair-University of Wisconsin-Madison, Department of Ob/Gyn Junior Basic Scientist Faculty Search Committee, 2001.

Member-University of Wisconsin-Madison, Department of Pediatrics Neonatology Junior Faculty Member Search Committee, 2001.

University of Wisconsin-Madison, Faculty Senator, 2001-2004; Alternate 2012-2015.

Member- University of Wisconsin-Madison Fellowships Competitions Committee 2001-2004.

University of Wisconsin-Madison, Liaison Committee on Medical Education (LCME); Resources-Finances Sub Committee and Sub Committee on Faculty, 2001-2002.

Society for the Study of Reproduction: Animal Care Committee, 2000-2003.

Society for the Study of Reproduction: Future Meeting Sites Committee, 2002-2005.

Member- University of Wisconsin-Madison campus review panel for the “Packard Fellowships for Young Faculty in the Natural Sciences and Engineering Program”, 2002.

Society for Gynecologic Investigation Bylaws Committee, 2005.

Advisory Board BIWRCH Program 2007-March 2016.

University of Wisconsin Center for Women’s Health Research, Center for Women’s Health Advisory Board – 2005-2008.

University of Wisconsin Center for Women’s Health Research Advisory Board, Center for Health Disparities – 2008-2011.

Member-University of Wisconsin-Madison Medical School, Chair Search Committee for Department of Ob/Gyn, 2003-2005.

University of Wisconsin-Madison, Committee to Review MERC Blue Cross Blue Shield Partnership Grants, 2009-2010.

Member-University of Wisconsin-Madison Medical School, Maternal Fetal Medicine Staff
Member Assistant Professor Search Committee for Department of Ob/Gyn, 2005-2009.

Member-University of Wisconsin-Madison Medical School, Reproductive Endocrinology
Infertility Search Committee for Department of Ob/Gyn, 2006-2007.

University of Wisconsin-Madison, RARC Animal Care and Use Committee, 1995-2006, 2007-
2015.

Society for Gynecologic Investigation Chair Nominations Committee, 2006-2007.

Member-Neonatology Division Director Search Committee, 2007-2008.

Member-Neonatology Staff Member Assistant Professor Level Search Committee, 2008-2014.

Chair-Department of Obstetrics and Gynecology Research & Development Committee 2008-
2015.

Ex Officio of the Resident Research Sub Committee 2008-March 2016.

Chair Centennial Award sub-committee for Chanel Tyler, MD, awarded 2010.

Ob/Gyn Annual Report Contributor and Advisor 2010, 2011 & 2012.

Member-University of Wisconsin-Madison Medical School, Maternal Fetal Medicine Staff
Member Assistant Professor Search Committee for Department of Ob/Gyn, 2009- 2015.

Society for the Study of Reproduction Member Minority Affairs Committee, 2010-2015.

Chair, Post Society for the Study of Reproduction Perinatal Research Satellite Meeting, Madison,
WI, July 2000.

Scientific Organizing Committee Member – Chair of Poster session competition. Aspen Perinatal
Biology Conference August 28-31, 2010.

Society for Gynecologic Investigation Ad Hoc Program Committee Organizer Member; West
Palm Beach, Florida; Poster Session Discussant Miami, Florida, 2010-2011.

University of Wisconsin-Madison Provost's Task Force for Animal Care Re-organization, 2010-
2011.

Co-Chair: Satellite Meeting of Vascular and Cardiac Developmental Origins of Health and
Disease at the Oregon Health Sciences Center with Kent Thornburg and Lubo Zhang, September
2011.

Delta Certificate Candidate Reviewer Committee – UW-Madison, 2012

University of South Florida-Tampa

Shimberg Health Sciences Library Advisory Committee – USF- 2016- Present.

University Honors and Awards Committee – USF- 2016- Present.

Society for the Study of Reproduction Program Committee- 2016-2019.

Faculty Senate Honors and Award Council- USF- 2017- Present.

SRI Program Committee- Selection of Pfizer President's Presenters awards and travel awards recipients and identify speakers for the President's Plenary Award, December 2017.

SRI Oral Session Moderator- Maternal Biology and Health, 65th Annual Meeting, March 2018.

SRI Reproductive Science Editorial Board- 2018.

SRI Poster Judge- 2018

SRI Program Committee and Abstract Reviewer- 2018

SRI Small Grant Reviewer- 2018

AMCB Research Symposia symposium for University of Florida, Presentation Judge, April 2018.

Pediatrics, Muma Endowed Chair search committee, USF- 2018- Present.

Diabetes, Obesity and Metabolism Manuscript committee, Carris Ph.D., Nicholas, 2018- Present.

Advisory Board Aspen/ Snowmass Perinatal Biology Symposium Program 2019-August 2019.

Loma Linda University- California

P01-Program Project Grant (PPG) External Advisory Research Committee - Loma Linda University - Research Grant. Gautam Chaudhuri, MD, PhD, **Ronald R. Magness, PhD**, Yoel Sadosky, MD, Kent L. Thornburg, PhD (Chair), Chandra Yallampalli, DVM, PhD. February 2017.

Department Administrative Leadership Endeavors as Vice Chair.

Developed and ran Ob/Gyn Research Retreat on Clinical and Translational Research. 2008.

Group Leadership Intensive Executive Management Training: The Napier Group (Corporate and Academic Advisory Group from Philadelphia PA), Bucks County PA 4-day retreat November 2009. I have continued ongoing continuing GLI education monthly since my own 360 review.

Chair of the Reproductive Sciences Specific Aims Grants and Manuscript Writing Club Monthly/**Weekly** Workshops. 2009- March 2016.

Organized Educational-Research Program for Hamamatsu University Visiting Japanese Professors and Fellows on a grant to evaluate USA Residency recruitment and retention of

Clinician Scientists into Ob/Gyn Medicine, September 2010. Our Department was chosen of all the US Ob/Gyn programs.

Participated in 360 reviews for 7 senior level faculty members of Ob/Gyn and Pediatrics Departments. 2009- March 2016.

Group Leadership Intensive Leadership Retreats (there were that I Coordinator for my Division and 4 additional for the Department as a whole in Madison) with a Representative from the Napier Group (Corporate and Academic Advisory Group from Philadelphia PA, Representative Sarah Haley or Rod Napier). The Division of Reproductive Sciences Retreats was held May and September 2010. Goals and action plans are in place and evolving.

Annual Faculty and Post Tenure Reviews: This is an annual exercise required by Faculty Policy and Procedures to be presented to the Executive Committee and Chairs office. I was responsible for my division and continued to provide leadership pertaining to recommendations and write all the necessary documents for further promotions and tenure decisions of all tenure track faculty in the Ob/Gyn Department. I also have been advisory to the Pediatrics department on these important functions for numerous faculty members. 1997- March 2016.

University of Wisconsin-Madison, Chair (Co-Chaired) Committee Hire Department Research Coordinator, 2013 and then 2014.

University of Wisconsin-Madison, Chair Committee Hire Statistics Department Consultant for Epidemiology Research, 2013.

University of Wisconsin-Madison, Member Committee Hire Department Research Administrator, 2013 and then 2014.

University of Wisconsin-Madison, Member Interview Team Hire Life Course Faculty Leader Department Ob/Gyn and Population Health, 2013-2014.

University of Wisconsin-Madison, Member for Department of Ob/Gyn Director of Health Sciences Research, 2013-2014.

University of Wisconsin-Madison, Chair Committee Hire Department Research Coordinator, 2014.

University of Wisconsin-Madison, Organized Department of Ob/Gyn Administration Oversight Committee. 2014- March 2016.

University Administrative Leadership for Minority Recruitment and Education

SciMed GRS: My graduate students Omar Jobe, Mayra Pastore, Rosalina Villalon Landeros and I participated as part of the Science and Medicine Graduate Research Scholars (SciMed GRS) at UW-Madison, a program that strives to enhance the experiences of underrepresented graduate students in the College of Agricultural Sciences and the School of Medicine and Public Health through activities such as professional development opportunities, poster symposiums and community gatherings of graduate scholars.

FASEB MARC: In addition, I have promoted the involvement of minorities in biomedical sciences by supporting minority graduate students in their involvement with the Minority Access to Research Careers (MARC) Program that was created by the National Institute of General Medical Sciences (NIGMS) to increase the number of biomedical and behavioral scientists from minority groups. Part of the overall objective of the MARC Program is to increase the number of underrepresented minorities engaged in biomedical research by strengthening the science curricula at minority-serving institutions and increasing the research training opportunities for underrepresented students. This program that was further organized and funded by Gloria Hawkins, Ph.D., Assistant Dean - Multicultural Affairs brings undergraduates to UW-Madison from Spelman College to work with faculty research mentors for the summer on laboratory research. This academic partnership is a pilot program to complement the newly established Rural and Urban Scholars in Community Health (RUSCH) program with UW-Milwaukee and UW-Platteville. These partnerships have the potential of increasing the diversity of the medical school student body, while addressing the training of students to meet the needs of under-served communities. As part of the FASEB MARC program, my graduate student S. Omar Jobe as well as our undergraduates (Sean Fling and Brittney Hills) from Spelman College (Spelman-RUSCH program) were encouraged, prepared and supported in the pursuit of postgraduate education leading to the Ph.D., M.D.-Ph.D., or other combined professional Degree-Ph.D. in the biomedical sciences. These students have presented at national meetings 2009-2011 before entering Medical School. One matriculated into the dual MD/MPH program and two are now in residency one in graduate school.

Posse Program: As a past participant in the Posse Program at UW-Madison, I have supported the public high school students with extraordinary academic and leadership potential that may be overlooked by traditional college selection processes. The Posse program extends to these students the opportunity to pursue personal and academic excellence by placing them in supportive, multicultural teams—Posses—of 10 students. I support Posse students by acting as an advisor and supporter who provides students with academic and career counseling and opportunities to participate in laboratory research. In addition, we opened our research laboratory to allow students to interact with scientists and graduate students, which enabled them to have exceptional information for making career choices 2008-2011.

Chancellor's Scholarship Program: Mentoring of academically outstanding underrepresented undergraduate students attending University of WI-Madison helping develop leadership skills, core values and a supportive network to advance these students' learning outcomes and experience while on campus in Madison 20010-March 2016.

The 2014 University of Wisconsin School of Medicine and Public Health Faculty and Staff Equity and Diversity Award: The Associate Dean for Faculty Development and Faculty Affairs wrote, "The awards committee was especially impressed with your outstanding mentoring, involvement in so many medical and pre-college programs for underrepresented students, and work with gender equity issues."

University of South Florida, Perinatal Research Vascular Center: 2016-Present

I am the founding director of this newly developed center. Working on the structure and goals for hiring 6 faculty and provision of resources, and overall infrastructure are in the works.

Administrative Recruitments:

Administrative Specialist Recruitment: Worked with HR and department subcommittee to review about 147 applicants, phone interview 12, and face-to-face interview 5 and ultimately hire Jessica Youngblood for this position.

Faculty Recruitment:

1. Jennifer Thompson, PhD: Postdoctoral Fellow & Instructor at the Vascular Biology Center at Augusta University, Georgia. Host: Seminar titled "Risk Factors for Cardiovascular Disease throughout the Lifespan", University of South Florida, Morsani College of Medicine, Obstetrics and Gynecology. Friday, November 18, 2016.
2. Dr. Murray Mitchell, D.Phil. DSc. FRCOG. FRSNZ; adjunct position Friday, December 2, 2016. Voluntary Faculty Affiliate Professor appointment. April, 2017.

Medical Leave:

Florida Medical Leave Act (FMLA) 05/2017- 08/2017

Host:

USF Genomics Faculty Candidate Dr. Derek Wildman, "Placenta shines light on the origin of obstetrical syndromes." Wednesday, February 21, 2018.

University of South Florida, Member Committee Hire Department Research Administrator, Fall 2018.

Press Release:

University of South Florida Communications, USF Health Review. Nicholas W. Carris PharmD, Ronald R. Magness PhD, Arthur J. Labovitz MD, "Prevention of Diabetes Mellitus in Patients with Prediabetes." The American Journal of Cardiology (2018), doi: <https://doi.org/10.1016/j.amjcard.2018.10.032>.

Student Training and Laboratory Interactions (Collaborating laboratories are also listed):

A. University of Texas Southwestern Medical Center at Dallas

Post-doctoral Research Fellows:

- 1- Raymond J. Rodgers, PhD: (E.R. Simpson's Laboratory), 1985-1987.
- 2- David Stirling, PhD: (E.R. Simpson's Laboratory), 1987-1989.
- 3- Kunioka. Oka, PhD: (J.I. Mason's Laboratory, visiting Scientist), 1990.
- 4- William E. Rainey, PhD: (J.I. Mason & B.R. Carr's Laboratory), 1989-1990.
- 5- Ian M. Bird, PhD: (W.E. Rainey & J.I. Mason's Laboratory), 1992.

Perinatal Research /Clinical Neonatal, MFM, and RE Fellows:

- 1- Bernard Spitz, MD: Visiting MFM fellow from Leuven Belgium (R.R. Magness & N.F. Gant's Laboratory), 1988.
- 2- M. M. Mustafa, MD: (G.H. McCracken's Laboratory; Pediatric Infectious Disease Fellow), 1990.

- 3- Toshihiro Yoshimura, MD: Visiting MFM fellow from Kumamoto City, Kumamoto Japan (R.R. Magness & C.R. Rosenfeld's Laboratory), 1988-1990.
- 4- Kevin J. Doody, MD: (E.R. Simpson's Laboratory; RE Fellow), 1990.
- 5- Charles E.L. Brown, MD: (R.R. Magness & N.F. Gant's Laboratory MFM Fellow), 1985-1986.
- 6- Lowell E. Davis, MD: (C.R. Rosenfeld & R.R. Magness' Laboratory), 1989-1991 (Currently MFM Division and Fellowship. Director OHSU)
- 7- Hasu R. Mackanjee, MD: (C.R. Rosenfeld, P.W. Shaul & R.R. Magness' Laboratory Neonatal Fellow), 1989-1991.
- 8- Noreia Maki, MD: (J.M. Johnston's Laboratory visiting Pediatric Fellow, Nagoya Japan), 1992.
- 9- J.L. Couvaras, MD: (R.R. Magness' Laboratory RE Fellow), 1991-1993.
- 10- Blair E. Cox, MD: (C.R. Rosenfeld, P.W. Shaul, & R.R. Magness' Laboratory; Neonatal Fellow), 1990-1992.
- 11- William W. Andrews, MD: (R.R. Magness' Laboratory MFM Fellow), 1991-1993.
- 12- Susan M. Ramin, MD: (R.R. Magness & N.F. Gant's Laboratory, MFM Fellow), 1990-1992 (Currently Chair Ob/Gyn Univ Texas Houston).
- 13- Kirk D. Ramin, MD: (R.R. Magness & N.F. Gant's Laboratory, MFM Fellow), 1992-1993.
- 14- Adrien Gresores, MD: (R.R. Magness & C.R. Rosenfeld's Laboratory Neonatal Fellow), 1992-1994.
- 15- Merel A. Ipson, MD: (K.E. Kamm, C.R. Rosenfeld & R.R. Magness' Laboratory Neonatal Fellow), 1992-1994.

Medical Students:

- 1- Rolinda Stone, MD: (E.R. Simpson's Laboratory) 1989
- 2- Susan Favor, MD: (D.R. Hoffman & R. Uauy's Laboratory) 1993.
- 3- Douglas R. Mailman, MD: (R.R. Magness' Laboratory), 1989.

B. University of Wisconsin-Madison

Graduate Students for MS and PhD Degrees:

- 1- Peter Drescher, M.D.: MS Committee member. (advisor, James Will, DVM, Ph.D.), 1995-1996. (MS conferred AHABS).
- 2- Marcella A. Hermoso, BS: Visiting graduate student; Fondecyt Grant, Santiago, Chile, (Sponsors: Barry D. Bavister & Ronald R. Magness' Laboratories), 1995-1996.
- 3- Victor J. Quijano: Ph.D.: Committee member/Dissertation "Reader" (advisor, Lewis E. Sheffield, Ph.D.), 1996-1998. (Ph.D. conferred).
- 4- Lori Anderson, BS: Ph.D. Candidate, Committee member, (advisor Milo Wiltbank, Ph.D.) 1997- 2003 (Ph.D. conferred).
- 5- Jeremy A. Sullivan, BS: Ph.D. Candidate Committee member (advisor Ian M. Bird, Ph.D.), 1997-2007 (Ph.D. Conferred).
- 6- Li Yun, MS: Ph.D. Candidate (advisor Ronald R. Magness, PhD), 1998-2002 (PhD conferred; Postdoc Univ. of WA).
- 7- Tao Di, BS: MS Candidate (advisor Ian M. Bird), 1998- 2000 (MS conferred) (Then in Grad School Computer Sciences; currently w/Microsoft Inc).
- 8- Daniel S Millican, BS: MS Candidate (advisor Ian M. Bird), 1998- 2000. (No degree conferred).
- 9- Jackie M.Cale, BS: M.D. /Ph.D. Candidate (advisor Ian M. Bird, Ph.D.), 1999-2005 (Ph.D. conferred Post doc Univ. of MI).

- 10- Heidi Rupnow, BS: MS Candidate (advisor Ronald R Magness, Ph.D.), 1998-2000 (MS conferred).
- 11- Jeff Joyce, BS: MS Candidate (advisor Ronald R. Magness, Ph.D.), 1998-2001 (MS conferred).
- 12- Xavier Donadeu, DVM: Ph.D. Candidate (advisor Oliver J. Ginther, VMD, Ph.D.), 1998-2002 (Ph.D. Conferred).
- 13- Jennifer Gavinski, BS: MS Candidate (advisor Lewis E. Sheffield, Ph.D.), 1998-2008. (Ph.D. Conferred working in Pharmaceutical Industry).
- 14-Mike Byers, MS: Ph.D. Candidate (advisor Ronald R. Magness, Ph.D.), 1999-2005 (Ph.D. conferred).
- 15-Tiffini Gibson, BS: MS Candidate (advisor Ronald R. Magness, Ph.D.), 1999-2002 (MS conferred; Ph.D. program LSU).
- 16-Adam G. King, BS: MS Candidate (advisor Ronald R. Magness, Ph.D.), 2000-2002 (MS conferred ERP; M.D. Completed Residency Medical Pediatrics – Private Practice).
- 17- Jim Haughian, BS: MS Candidate (advisor Milo Wiltbank, Ph.D.), 2001-2003 (MS conferred ERP).
- 18- Francisco Diaz, MS: Ph.D. Candidate (advisor Milo Wiltbank, Ph.D.), 2001-2004 (Ph.D. conferred; currently Assistant Professor Tenure Track Pennsylvania State University).
- 19-Jackie Smith, MS: MS Candidate (advisor Lewis E. Sheffield, Ph.D.), 2002-2003 (No degree).
- 20-Carla De Azevedo, DVM: Ph.D. Candidate (advisor Milo Wiltbank, Ph.D.), 2002-2008 (Ph.D. Conferred ERP – Academic Faculty Position in Brazil).
- 21- Sekoni Noel, MS: Ph.D. Candidate (advisor Ei Terasawa, Ph.D.) 2002-2007 (Ph.D. Conferred ERP; Post doc Harvard University).
- 22- Paul Lentz, BS: MS Candidate (advisor Lewis E. Sheffield, Ph.D.), 2004-2007 (MS conferred; Des Moines COM DO Conferred).
- 23-Terri Rothermel: Ph.D. Candidate (advisor Nader Sheibani, Ph.D.), 2002- 2007 (Ph.D. Conferred CMB Program).
- 24- Erica Behling-Kelly, DVM: Ph.D. Candidate (advisor Chuck Czuprynski, DVM, Ph.D.), 2003- 2007 (Ph.D. Conferred Vet Sci).
- 25- Jian Teng, BS: Ph.D. Candidate (advisor Dale Bjorling, DVM, MS), 2003- 2007 (Ph.D. Conferred Vet Sci).
- 26- Jian Yizhou, BS: Ph.D. Candidate (advisor Jing Zheng, Ph.D.), 2005- 2012 (Ph.D. Conferred - Post Doc University of Pennsylvania).
- 27- Jill M. Koch, BS MS: Visiting graduate student (advisor Matthew Wilson, Ph.D. West VA University) 2006. [Post-doc University of WI-Madison].
- 28- Christopher Kevin Huls, M.D.: MS Candidate (advisor Ronald R. Magness, Ph.D.), 2005-2008. (MS Conferred – University of AZ – Phoenix MFM Division),
- 29- Benjamin Sprague, BS: MS Candidate (Co-advisors Ronald R. Magness, Ph.D. and Naomi Chesler, Ph.D.), 2005- 2008 [Biomedical Engineering]. (MS Conferred Currently University of Pittsburg, M.D. program with Clinical Scientist Training Emphasis; 5-year program).
- 30- Sheikh Omar Jobe, BS: Ph.D. Candidate (advisor Ronald R. Magness, Ph.D.) R25 Underrepresented Minority Student and ERP T32. Dual MBA candidate. 2008-2013. (Ph.D. and MBA conferred – Medtronic and then Currently Boston Scientific Liaison for Medical Research Applications).
- 31- Katie M. Meyer (Gesch), BS: MS Candidate (co-advisors Pamela J Kling, M.D. and Ronald R. Magness, Ph.D.) 2008-2010. (MS Conferred- Currently Family Medicine Residence at Medical College of WI in Milwaukee WI, after finishing DO program Nova Southeastern, Davie FL).
- 32- Yan Li, BS: Ph.D. Candidate (advisor Jing Zheng, Ph.D.), (PhD Conferred) 2009- 2015.

- 33- Timothy Morschauser, BS: MS Candidate (advisor Ronald R. Magness, Ph.D.) 2009-2011 (MS Conferred- Currently Dental Student @ Marquette Milwaukee; graduated 2015).
- 34- Mayra B. Pastore, BS: Ph.D. Candidate (advisor Ronald R. Magness, Ph.D.) R25 Underrepresented Minority Student and ERP T32. 2009-2015. (ERP Program; Ph.D. Conferred).
- 35- Mary Yu Sun, BS: Ph.D. Candidate (co-advisors Pam J. Kling, M.D. and Ronald R. Magness, Ph.D.) 2009-2013. (Nutritional Sciences Program; Ph.D. Conferred; Currently Clinical Nutritional Scientist Training Program UCLA- Davis).
- 36- Eui Seok Shin, BS, MS: Ph.D. Candidate (advisor Nader Sheibani, Ph.D.) 2010-2014. (CMB Program; Ph.D. Conferred).
- 37- Sun Young Park, BS, MS: Ph.D. Candidate (advisor Nader Sheibani, Ph.D.) 2010-2014. (CMB Program; Ph.D. Conferred).
- 38- Jasmin Kristianto, BS: Ph.D. Conferred (advisor Robert D. Blank, M.D. and Marc Drezner, M.D.) 2010-2016. (ERP Program; PdH Conferred).
- 39- Bryan C. Ampey, BS: Ph.D. (advisor Ronald R. Magness, Ph.D.) R25 Underrepresented Minority Student. (ERP Program; PhD Conferred) 2011- 2016.
- 40- Nasim Jamali, BS: Ph.D. Candidate (advisor Nader Sheibani, Ph.D.) 2012-2017 (CMB Program; PhD Conferred).
- 41- Michael G. Johnson, BA, MS: Ph.D.: Candidate (advisor Robert D. Blank, M.D. and Marc Drezner, M.D.) 2012-2016. (ERP Program; PhD Conferred).
- 42- Nathaniel York, BS: MS Candidate (advisors Bikash R. Pattnaik, Ph.D. and De-Ann M. Pillers, M.D., Ph.D.) 2014-2015. (ERP Program MS Conferred).
- 43- Giovanni Sandoval, BS, MS: Ph.D Candidate Committee Member (advisor Milo Wiltbank,) 2011-2016. (Animal Sciences Program; Ph.D. Conferred)
- 44- Rosalina Villalon-Landeros, BS: Ph.D. Candidate (advisor Ronald R. Magness, Ph.D.) R25 Underrepresented Minority Student. Recipient of NSRA F31-NIH Grant 2012-Present.

Undergraduate Student Laboratory Projects:

- 1- Tamara J. Goodman: 1995. (Admitted U Conn. Dental School).
- 2- Jackie M. Cale (Medical Scholar): 1996-1997. (Admitted UW M.D. /Ph.D. Program-Ph.D. student in the Perinatal Research Laboratories w/ Dr. Bird; see above).
- 3- Mary A. Janowiak: 1996-1998. (admitted Utah State Univ. Salt Lake City, UT, M.D. Program, 1999; Residency Ob/Gyn University of Vermont, Burlington).
- 4- Martha E. Fuiten: 1996-1998. PA School.
- **5- Daniel M. VanHandel: Honors Thesis Advisor, submitted 2007 Hilldale Awardee 1997-2000 (Admitted UW-Madison M.D. Program).
- 6- Jocelyn J. Jacobs: 1997-1998 (admitted Univ New Mexico Graduate Program).
- 7- Beth M. Meglin: 1997-1998 (Currently in Science Education).
- 8- Charles Shideman: 1997- 1999 (admitted Ph.D. program Univ. of Minn. Department of Pharmacology).
- 9- Amy N. Melsaether: Honors Thesis Advisor, 1997- 1999. (Admitted UCLA M.D. Program).
- **10- Adam G. King, BS: Honors Thesis Advisor, Hilldale Awardee April 21, 1999 (Admitted MCOW M.D. Program and completed MS ERP Program; Presently Medical Pediatrics; Chair) 1998-2000.
- 11- Jason Paltzer: 1998-1999.
- 12- Amy Schraufnagel Zangl: 1999- 2001 (Currently Medical Technology Research Labs).
- 13- Andrew Waller: 2000- 2001 [Pharma Industry].
- 14- Ashley Johnson: 2006-2007 (graduated).
- 15- Mau Vang: 2006- 2007 (Hmong Student McNair Program; graduated).
- ***16- Steven Vang: 2005-2008 (Hmong Student McNair Program; graduated).

- 17- Alyssa Gunsolus: 2005-2008 (graduated).
- 18- Rosemarie Carberry: 2006-2008.
- 19- Timothy Morschauser: 2006-2009 (MS ERP Program then completed Marquette Dental School).
- ***20- Wa Vang: 2006- 2007 (Hmong Student McNair Scholar Program; graduated).
- 21-Shilo Shah: 2006- 2007 (2007 Graduated works at Covance Madison, WI).
- ***22-Chanell Charapata: 2006-2008: Research Program for Minority Undergraduate Students (UW Medical School 2009; Ob/Gyn Resident UCLA).
- 23-Maguerite Maguire: 2007-2009 (Medical School beginning 2010).
- 24-Jason Haveck: 2007-2013 [Dr. Pam Kling's student; Med School 2009; Shapiro Scholar in Lab 2010; collaborations continue].
- ***25-Danny Henao: 2009-2012 (Funded Underrepresented Minority Supplement Grant to HL-49210).
- 26-Ben Hofeld: 2009-2012 (Funded American Recovery Act Grant; Attending Medical School).
- 27-Allisa Emmerick: 2009-2010 (Medical School).
- 28-Kate Shelp: 2009-2010 (Medical School).
- ***29- Nancy Galvez: 2009-2011 (Posse Underrepresented Minority Outreach Program; graduated).
- ***29-Sean Fling: Summer 2009, 2010 SMPH's Summer Research Program for Minority Students from Spelman College students (UW Medical School dual MPH Program 2011; Ethiopia Medical Summer Project).
- ***30-Brittney Hills: Summer 2009, 2010 SMPH's Summer Research Program for Minority Students from Spelman College students. (Funded Underrepresented Minority Supplement grant HL49210) (Columbia Medical School NY City, 2011; graduation 2015).
- 31- Jeremy Sandgren: 2009-2012 (MD/PhD at Univ. of IA).
- 32-David Xu: 2009-2011 [Microsoft Incorporated].
- ***33-Bianca Manuelli: 2009 Shapiro Fellowship Committee for Medical Students [2013 Pediatrics Resident].
- 34-Ryan Robin: 2010-2011.
- 35-Daniel Faust: 2010-2011.
- 36-Tess Becker: 2010-2011*.
- 37-Brandon Ingalls: 2010 (former Meriter Hospital Ganser Fellow).
- 38-Dominic Dharam: 2010-2011.
- ***39-Orriane Morrison: Summer 2011 SMPH's Summer Research Program for Minority Students from Spelman College students.
- ***40-Dominique Felder: Summer 2011 & 2012 SMPH's Summer Research Program for Minority Students from Spelman College students.
- **41- Ethan Schuler: 2011-2013 (Meriter Hospital Ganser Finalist) 2011 Hildale Awardee (Epic Electronic Medical Records Division; Now in Marquette Dental School in Milwaukee).
- 42- Andy Wargin: 2011-2013.
43. Daniel Thoresen: 2011-2013 Summer Student from Laurence Univ, WI. Now in Internship for Cancer Biol and Med (applying to Biochem Programs for Ph.D.).
- ***44- Andrew Nguyen: 2011-2015 (Chancellor's Scholarship's Minority Program and Biol 152).
- ***45- Saira Talwar: Research Program for Minority Undergraduate Students 2011-2015 (Biol 152 project). [Applicant Physician's Assistants Program].
- 46- Haley Little: 2012- 2013 (Biol 152 project).
- 47- Helen Juffer: 2012- 2013 (Biol 152 project).
- 48- Cameron Charme: 2012- 2013 (Ohio State University).
- 49- Marta Sandgen: 2012- 2013 (Biol 152).
- 50- Neelpreet Toor: 2012-2014 (Biol 152 project).

- 51- Catherine Richardson: 2012- 2013 (Biol 152 project).
52- Kaitlyn Landry: 2013- 2015 (Biol 152 project).
***53- Keona Thompson: Summer 2013 SMPH's Summer Research Program for Minority Students from RUSH Rural Medicine students.
***54- Meghan Conley: Summer 2013 SMPH's Summer Research Program for Minority Students from RUSH Rural Medicine students.
55-Rhamail Sadiqui: 2013-2014.
***56- Rocio Riilo: Biomedical Engineering; Research Program for Minority Undergraduate Students (Hispanic) 2013-2014. (Biol 152).
57-Jeannae Yambing: Research Program for Minority Undergraduate Students (Hmong) 2013-present. (Biol 152) 2014 – 2015.
***58- Micaela Zywicki: Awarded 1st place Oral Presentation Award at the 2014 Midwest Pediatrics Meeting; I sponsored her for Hilledale Award 2015. (With Pamela J Kling, M.D. Biol 152), She currently is at UW Medical School and published a first author paper with us 2013-2016.
59-Kurtis Lawe: Research Program for Minority Undergraduate Students (Native American) 2014-2016.
60-Charlesse Ellis: Research Program for Minority Undergraduate Students (African American) 2014-2016.
***61-Colin Korelski: Biomedical Engineering Student (With Pamela J. Kling, M.D. Biol 152), 2014-2016.

*** Hilledale Summer Fellowship Awardee*

**** RUSH Spellman Summer Program, Posse, Chancellor Scholar and other Minority Undergraduate programs*

Medical Student Laboratory Projects:

- 1-Daniel VanHandel: Cardiovascular Research Center Fellowship Summer Project 2000 (currently Internal Medicine GI Specialist in Iowa).
- 2-Charman Dresel-Valasquez: 4th year Medical School Rotation Project 2006-2007 (Applicant Ob/Gyn Residencies; admission 2007 UCLA California).
- 3- Bianca Manuelli: Shapiro Fellowship Summer Project 2009 [2012 Pediatrics Resident].
- 4- Sarah Wernimont: MD/PhD Student 2012-2014 [2014, Ob/Gyn Resident Match University of Iowa, Iowa City, Iowa].

Postdoctoral Research Fellows and Visiting Scientists:

- 1- Jing Zheng, Ph.D.: (AHA-WI Fellowship awardee), 1995-1997 (Currently Promoted UW Assistant Scientist 1997-1999, then Assistant Professor 1999-2007, now Associated Professor with Tenure).
- 2- Karen E. Vagnoni, Ph.D.: (USDA Individual Post-doctoral awardee), 1995-1997 (Research Assistant Professor University of Utah Logan).
- 3- Hiroaki Itoh, M.D.: (Uehara Memorial Foundation Funded Visiting MFM Research Fellow/Scientist; from the Department of Ob/Gyn, Kyoto, Japan), 1996-1998. (Currently Faculty Assist Professor University of Kyoto Med School).
- 4- Joan F. Tefler, Ph.D.: Department of Ob/Gyn University of Glasgow, Scotland, 1998 (Faculty Lecturer in Glasgow).
- 5- Romena Qazi, Ph.D.: Dec 1998-1999 Post-doctoral Research Fellow (Currently Asst. Scientist Dept. Neurology UW- Madison).

- 6- Keiichi Matsubara, M.D., Ph.D.: (Visiting MFM Research Fellow/Scientist; Dept. Ob/Gyn, Ehime, Japan), 2001-2002.
- 7- Jayanth Ramadoss, Ph.D.: Jan 2008-2010 (NIH K99/R00 Awardee, 2010-2015), 2010-2011 (Promoted to UW Assistant Scientist); Current Position Tenure Tract Assistant Professor Department Ob/Gyn UTMB Galveston, TX the Texas A&A, College Station, 2011-2015.
- 8- Jill M. Koch, Ph.D.: June 2008-2010 (Currently Staff Research Scientist UW-Madison Animal Research Surgical Core).
- 9- Maria Giakoumopoulou, Ph.D.: 2012 Post-doctoral Research Fellow. (Golos Lab). Delta Certificate Candidate Reviewer.
- 10- Chi Zhou, Ph.D.: 2013- Present: Post-doctoral Research Fellow (Magness and Zheng Lab).
- 11- Vladimir Vargas, Ph.D.: 2014- 2016: Moved to USF 2016 See below. Post-doctoral Research Fellow: NIH Minority Supplement Awarded and NIH and SRI Grants in Submission in 2016 (Magness Lab).

Perinatal Research /Clinical MFM Fellows:

- 1- Clarence W. Blea, M.D.: 1993-1995.
- 2- Leslie Pratt, M.D.: (Funded WI Perinatal Research Foundation), 1994-1996.
- 3- Celeste Sheppard, M.D.: (Funded ACOG Mead Johnson Bristol Meyers Squibb & Healthdyne grants), 1995-1996 [Special research fellowship]. (Currently Assist Prof Univ. of Maryland).
- 4- Parul Krishnamurthy, M.D.: 1996-1998.
- 5- Dierdre A. Habermehl, M.D.: (Clinical Minority Supplement Post-Doctoral Supported NIH Fellow Funded WI Perinatal Research Foundation), 1995-1998.
- 6-Wayne Evans, M.D.: (Clinical Faculty-Milwaukee Campus), 1995-2000.
- 7-Christopher K. Huls, M.D.: (Clinical MFM Fellow) 2005-2008 (MS conferred ERP) Currently Assistant Professor Ob/Gyn University of Arizona Phoenix Campus.
- 8- Sneha Bidaye, M.D.: (Clinical Project) 2012-2014.

Resident Projects:

- 1- Robert A. Long, M.D.: 1996-1997.
- 2- Andrew Weiss, M.D.: 1997-1998.
- 3- Dimpna Cole, M.D.: 1999-2000.
- 4- Cynthia Anderson, M.D.: 2005-2008 (Hamilton Award, 2007 and UW ObGyn Best Resident Project Shared Faculty mentor; 2007).
- 5- Thomas Littlefield, M.D.: 2008-2012.
- 6- Kristin Lyerly, M.D.: 2009-2012.

Faculty Mentor Committees (Assistant Professors/Associate Scientists):

University of Wisconsin-Madison

- 1- Ian M. Bird, Ph.D.: (Chair) 1994-2003 (Promoted Associate Prof July 1999, Full Prof 2003).
- 2- Ted Golos, Ph.D.: (Chair) 1996-2003 (Promoted Associate Prof July 1999; Full Prof 2003).
- 3- Deirdre A. Habermehl, M.D.: (Member), 1995-1997.
- 4- Elizebeth Grosen, M.D.: (Member), 1997- 1999.
- 5- Omid Khorram, Ph.D.: (Member), 1997- 2000 [Currently Chair Ob/Gyn UCLA-Harbor]
- 6-Nader Shanani, Ph.D. (member) 2000-2005 (Promoted Associate Prof July 2005 Full Professor 2011).
- 7-Jing Zheng, Ph.D. (Chair), 2001-2007 (Promoted Associate Prof July 2007).
- 8-Manish Patankar, Ph.D. (Chair) 2004-2010 (Promoted Associate Prof July 2010)
- 9-Ziming Yu, Ph.D. (Chair), 2004-2009.

- 10-Elizabeth Sitteri M.D. (Chair), 2005-2006.
- 11-Elizabeth Pritz, M.D. (Member), 2004-2006.
- 12-Pamela J. Kling, M.D. (Member; Dept Pediatrics) Assistant to Associate Tenure; 2004-2009 [Promoted Associate to Full Professor 2009-2012].
- 13-Leah Whigam, Ph.D. (Member), 2006-2009.
- 14-Fuxian Yi, M.D., Ph.D. (Member), 2006-2016.
- 15-Tova Ablove, M.D.: (Member) 2004-2007, (Chair) 2007-2013.
- 16-Sana Salih, M.D.: (Chair), 2007-2009 [Current Chair David Abbott, Ph.D.].
- 17-Bikash Pattniak, Ph.D.: (Member) [Chair Gayle Robertson, Ph.D.] 2008-2016.
- 18-Maria Sandgren, M.D., Ph.D., 2010-2011 (Senior Mentor)
- 19-Amy Radunz, Ph.D.: (Member; Dept Anim Sci) 2010-2013.
- 20-Emily Su, M.D.: K08 advisor [MFM Ob/Gyn Northwestern University] 2010-2016 [NIH R01 funded 2014]; currently University of Colorado.
- 21-Aping Lu, Ph.D.: AHA Fellowship advisor [Department of Bioengineering; advisor Naomi Chester, Ph.D.]; member of her K99/R00 committee 2013-2016.
- 22-Sanmann Basraon, M.D.: Chair Mentor Committee 2013-2014.
- 23-Aleksandar Stanic- Kostic, M.D., Ph.D.: Chair Mentor Committee and KL2 advisor 2014-2016.
- 24-Deborah B. Ehrenthal, M.D.: (Member) 2014-2016.

Promotion Package “Reader”:

- 1- Sabina Droste, MD: Assistant to Associate Professor, 1996
- 2- David H. Abbott, PhD: Associate to Full Professor, 1998
- 3- Helen H. Kay, MD: Associate to Full Professor, 1998
- 4- Ellen Hartenbach, MD: CHS Associate to Tenured Associate Professor, 2009
- 5- David Kushner, MD: CHS Professor to Tenured Professor, 2015

C. University of South Florida

Undergraduate Student Laboratory Projects:

- 1- Kristin Cash: University of South Florida. Field of research in perinatal biology. Manuscript review- Nitric oxide and angiogenesis. 2016-2017.
- 2- Eric Arebli: University of South Florida. Field of research in perinatal biology. Manuscript review- Nitric oxide and pregnancy. 2017-2018.

Postdoctoral Research Fellows and Visiting Scientists:

- 1- Vladimir Vargas, Ph.D.: Post-doctoral Research Fellow: NIH Minority Supplement Awarded and NIH and SRI Grants in Submission in 2016 (Magness Lab). 2014- 2017.
- 2- Yvonne Suescun, MD: Health Sciences Assistant Professor at South University, Tampa. Research Experience: “The Role of Adipokines in Obese Pregnancies”. 2016-2017.
- 3- Esma Konuk, Ph.D.: Visiting Scholar. 2018- present.

Mentorship:

- 1- Adetola Louis-Jacques- MFM Fellow- AAOGF pre-interview meeting. 2016.

- 2- Latashia-Lika Lelea, MPH candidate- Medical Student. Exposure to Lab-based Research. 2016.
- 3- Adetola Louis-Jacques- MFM Fellow- AAOGF site visit, Yoel Sadovesky. May 2018.
- 4- Adetola Louis-Jacques- MFM Fellow- mentor meeting. 6/05/2018.
- 5- Adetola Louis-Jacques- MFM Fellow- mentor meeting. 6/21/2018
- 6- Adetola Louis-Jacques- MFM Fellow- mentor meeting. 7/20/2018
- 7- Adetola Louis-Jacques- MFM Fellow- mentor meeting. 12/10/2018

Doctoral Examination Proctoring:

- 1- Outside Examiner for Charlotte Oysten Doctoral Thesis Examination. Doctor of Philosophy in Obstetrics and Gynaecology. The University of Auckland, Auckland, New Zealand. Fall 2016.
- 2- Outside Examiner for Yong Qin Koh Doctoral Thesis Examination. Doctor of Philosophy in Biomedical and Agriculture Medicine. The University of Queensland, Brisbane, Australia. Fall 2018.

American Heart Association's Postdoctoral Fellowship:

- 1- External advisor for Thomas J. Lechuga, Ph.D. AHA Postdoctoral Fellowship Application. "Estrogens and Endothelial Hydrogen Sulfide Biosynthesis". Summer 2018.
- 2- External advisor for Chi Zhou, Ph.D. AHA Career Development Award Application. "Preeclampsia dysregulates fetal endothelial responses to growth factors and cytokines". Fall 2018.

Faculty Appointment Evaluation:

- 1- External evaluation for Perrie Faye O'Tierney-Ginn, PhD, MCR for a faculty appointment as an Associate Professor (Investigator/Educator track) Department of Obstetrics and Gynecology at Tufts Medical Center. Summer 2018.

Canada Research Chair Program– Nomination:

- 1- Outside reviewer for Dr. Sandra Davidge. Nomination by the University of Alberta for Renewal of term as a Tier 1 Canada Research Chair in Maternal and Perinatal Cardiovascular Health. Spring 2014.
- 2- Outside reviewer for Dr. Isabella Caniggia. Nomination by the University of Toronto for a New term as a Tier 1 Canada Research Chair in Placental Biology in Pregnancy and Disease. Summer 2018.

Grant Reviewer:

- 1- Outside reviewer for Dr. Emily Su. R01 submission: "The role of placental endothelial and extracellular matrix interactions". CURE Panel Critique. Fall 2018.
- 2- Outside reviewer for Dr. Stefan Chopicki and Dr. Ruby LC Hoo. Grant proposal review for the National Science Centre in Poland. "Novel mechanisms of endothelial protection: focus on 1-methylnicotinamide (MNA)/sirtuin 1 (SIRT1) pathway". Fall 2018.
- 3- Outside reviewer for Dr. Chinwe Nwachukwu. Lalor Foundation Fellowship Application: "Effect of Maternal Nutrition On Developmental Programming of the Placenta In Early Gestation". Lalor Reviewer. Fall 2018.

**Faculty Mentor Committees (Assistant Professors):
University of South Florida**

- 1- Nicholas W. Carris, Pharm.D. BCPS: (Member) Dept. of Pharmacotherapeutics & Clinical Research [Chair: Diane Allen-Gipson, PhD and Janelle Perkins, 2016- Present.

MFM Interviews:

- 1- 8/24/2016: Jared Roeckner. Melissa Chu Lam.
- 2- 8/31/2016: Juliana Martins. Victoria Chase. Cayse Powell.
- 3- 8/30/2017: Bradley Harmon Sipe, Joshua Adam Makhoul, Shaelyn Lindsay O'Hara, Kendra Rene Sylvester
- 4- 7/18/2018: Beth Leong Pineles, Jean Chavez Hostage, Jhenette Renee Lauder, Caitlin Madden Clifford, Ayamo Gina Oben, Alan James Lee, Kavita Narang
- 5- 8/01/2018: Gian Diaz Rodriguez, Sara Muszynski, Emma Qureshey, Jared Roeckner, Emily Williams
- 6- 8/28/2018: Amir A. Shamshirsaz, M.D.

Classroom Teaching Responsibilities:

Didactic Classroom Teaching:

Fall 1997 (3-4 weeks) 3 credits

Endocrine Physiology 875:

- Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy
- Section II: Placental Structure, Function, and Hormone Production
- Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)
- Section IV: Uterine Quiescence and Parturition

Spring 1998 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: Developed this new course for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (**Uterine Physiology was the Emphasis**)

Fall 1998 (3 weeks) 3 credits

Endocrine Physiology 875:

- Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy
- Section II: Placental Structure, Function, and Hormone Production
- Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)
- Section IV: Uterine Quiescence and Parturition

Fall 1999 (3 weeks) 3 credits

Endocrine Physiology 875:

- Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy
- Section II: Placental Structure, Function, and Hormone Production
- Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)
- Section IV: Uterine Quiescence and Parturition

Spring 1999 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: I developed this new advanced topic course for Endocrinology Reproductive Physiology graduate students. I co-taught this course (9 of 15 weeks) with Dr. Lewis Sheffield who only taught the Lactation topics.

Fall 2000 (3-4 weeks) 3 credits

Endocrine Physiology 875:

Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy

Section II: Placental Structure, Function, and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Section IV: Uterine Quiescence and Parturition

Spring 2001 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I co-taught this course (9 of 15 weeks) with Dr. Lewis Sheffield who taught the Lactation topics.

Fall 2001 (3-4 weeks) 3 credits

Endocrine Physiology 875:

Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy

Section II: Placental Structure, Function, and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Section IV: Uterine Quiescence and Parturition

Spring 2002 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (**Embryos and stem cells was the Emphasis**).

Fall 2002 (3-4 weeks) 3 credits

Endocrine Physiology 875:

Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy

Section II: Placental Structure, Function, and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Section IV: Uterine Quiescence and Parturition

Spring 2003 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I co-taught this course (9 of 15 weeks) with Dr. Lewis Sheffield who only taught the Lactation topics.

Summer 2003 (3 weeks) 1 credit

Endocrine Reproductive Physiology Program Professional Development Course: Topics include 1) writing thesis or dissertation; 2) preparation for teaching; 3) ethical issue in research; 4) the grant review process; and 5) life beyond graduate school. I headed the grant review process. Course coordinator Jing Zheng, PhD.

Fall 2003 (3-4 weeks) 3 credits

Endocrine Physiology 875:

Section I: Embryogenesis/ Implantation/ Maternal Recognition of Pregnancy

Section II: Placental Structure, Function, and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Section IV: Uterine Quiescence and Parturition

Spring 2004 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (**Fetal Origins of Adult Onset Disease – Organ Specificity was the Emphasis**).

Summer 2004 (3 weeks) 1 credit

Endocrine Reproductive Physiology Program Professional Development Course: Topics include 1) writing thesis or dissertation; 2) preparation for teaching; 3) ethical issue in research; 4) the grant review process; and 5) life beyond graduate school. I headed the grant review process. Course coordinator Jing Zheng, PhD.

Fall 2004 (3-4 weeks) 3 credits

Endocrine Physiology 875:

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Section IV: Uterine Quiescence and Parturition

Spring 2005 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I co-taught this course (9 of 15 weeks) with Dr. Lewis Sheffield who taught the Lactation topics.

Summer 2005 (3 weeks) 1 credit

Endocrine Reproductive Physiology Program Professional Development Course: Topics include 1) writing thesis or dissertation; 2) preparation for teaching; 3) ethical issue in research; 4) the grant review process; and 5) life beyond graduate school. I headed the grant review process. Course coordinator Jing Zheng, PhD.

Fall 2005 (1 week) 3 credits

Endocrine Physiology 875:

Section II: Placenta Structure, Function and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Spring 2006 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (**Developmental Origins of Adult Onset Disease – Causes and Outcomes was the Emphasis**).

Fall 2006 (1 week) 3 credits

Endocrine Physiology 875:

Section II: Placenta Structure, Function and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Spring 2007 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. We introduced Immunology of Pregnancy into the lecture series. I Co-taught this course with (8 of 15 lectures) Dr. Lewis Sheffield who taught the Lactation topics.

Fall 2007 (1 week) 3 credits

Endocrine Physiology 875:

Section II: Placenta Structure, Function and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Fall 2008 (1 week) 3 credits

Endocrine Physiology 875:

Section II: Placenta Structure, Function and Hormone Production

Section III: Physiologic Adaptation to Pregnancy (Maternal and Fetal)

Spring 2009 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. We added more lectures on Immunology of Pregnancy into the series. I Co-taught this course (7 or 15 lectures) with Dr. Lewis Sheffield who taught the Lactation topics.

Spring 2010 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (**Developmental Origins of Adult Onset Disease- Specificity and Treatments- was the Emphasis**). I teach this course every other year.

Fall 2011 (1 week) 3 credits

Endocrine Physiology 875:

Section 1: Developmental Origins of Health and Disease

Spring 2011 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I taught 8 of 15 lectures and coordinate the teaching by several Professors. I teach this course every other year.

Fall 2012 (1 week) 3 credits

Endocrine Physiology 875:

Section 1: Developmental Origins of Health and Disease

Fall 2012 (1 week) 3 credits

Bioethics and Science/Joint T32 Training Grant Curriculum:

Section 2: Animal Use and Biomedical Research

Spring 2012 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology. I teach this course every other year. Theme this year: **Environmental Toxicants and Endocrine Disruptors Related to the Developmental Origins of Health and Disease: The Barker Hypothesis.**

Fall 2013 (1 week) 3 credits

Endocrine Physiology 875:

Section 1: Developmental Origins of Health and Disease

Fall 2013 (1 week) 3 credits

Bioethics and Science/Joint T32 Training Grant Curriculum:

Section 2: Animal Use and Biomedical Research

Fall 2013 (1 week) 3 credits

Topics in Kinesiology: November 2013. I was in charge of The Physiology of Pregnancy Adaptations and its Relation to Exercise

Spring 2013 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I coordinate this course and teach 10 of 15 lectures and coordinate the teaching by several Professors. I teach this course every other year. Note we have implemented 5 Translational Clinical Case Presentations related to all of the major topics.

Spring 2014 (15 weeks) 2 credits

Selected Topics and Seminars in Endocrinology Reproductive Physiology 875: I developed this course in 1998 for Endocrinology Reproductive Physiology graduate students to teach how to give oral presentations and seminars and to review major areas in Reproductive Biology (Developmental Origins of Adult Onset Disease- Specificity and Treatments- was the Emphasis). I teach this course every other year. Theme this year: **Obesity and Pregnancy: Related to the Developmental Origins of Health and Disease: The Barker Hypothesis.**

Fall 2014 (1 week) 3 credits

Endocrine Physiology 875:

Section 1: Developmental Origins of Health and Disease

Section 2: Physiologic Adaptations to Pregnancy

Fall 2014 (1 week) 3 credits

Bioethics and Science/Joint T32 Training Grant Curriculum:

Section 2: Animal Use and Biomedical Research

Spring 2015 (15 weeks) 2 credits

Pregnancy, Parturition, and Lactation 875: Advanced topics course for Endocrinology Reproductive Physiology graduate students. I coordinate this course and teach 9 of 15 lectures and coordinate the teaching by several Professors in Angiogenesis, Immunology and Lactations. I teach this course every other year. Note we have continued 5 Translational Clinical Case Presentations related to all of the major topics. I coordinated and help co-present these Case presentations with Clinical Faculty in the appropriate disciplines (REI, MFM, and Neonatology).

As **Interim Director** of the Endocrinology Reproductive Physiology Program for two and half years (1997-2000) there was a great emphasis on curriculum development. I implemented the annual offering of the Selected Topics and Seminars in Endocrinology Reproductive Physiology 875 2-credit course which is now required by each student to take at least once during their MS and PhD programs. In addition, I was successful in getting the three Advanced Endocrinology Reproductive Physiology 875 courses to be developed to be taught in as such (I.) Embryos and Gametes; (II.) Pregnancy, Parturition, and Lactation;

and (III.) Reproductive Patterns. These modular courses have been developed such that a graduate student in the Endocrinology Reproductive Physiology Program can cover the most up to date information in advanced courses taught by experts in the field. One important outcome is these courses have unified Professors in an interdisciplinary fashion to work together on behalf of the Graduate Student's educational needs. This continues today and is a nice model that benefits both the Professors and Students. In 2000, I stepped down as Chair of this program providing a leadership opportunity for Dr. Ian M. Bird, PhD (then Associate Professor). I was Associate Chair of the Endocrinology Reproductive Physiology Program. A decade later this interdisciplinary graduate training program is thriving and has a long standing T32 under Dr. Bird's exceptional leadership. I also was Chair of the Admissions and Recruitment Committee of this program and helped coordinate the annual interim class of applicants until 2009 when I relinquished this role to a junior faculty member of my Division (Dr. Manish Patankar – now tenured Associate Professor) for him to develop further his leadership skills. The qualified application pool is up greatly and the ERP program lead has led all UW-Madison programs in Minority Recruitment for the last 3 years.

Grant Support: Past Completed

Principal Investigator:

NIH 1R23 HL34150-3 New Investigator Research Award “In Vitro Studies of Vascular Reactivity in Pregnancy”, 1985-1988, \$107,500 Direct Cost.

American Heart Association-Texas Affiliate, “In Vitro Vascular Reactivity During Pregnancy and Preeclampsia”, 1985-1986, \$25,000/yr. Direct Cost.

American Heart Association-Texas Affiliate, “In Vitro Vascular Reactivity During Pregnancy and Preeclampsia”, 1986-1987, Competitive Renewal, \$27,500/yr.

American Heart Association-Texas Affiliate, “In Vitro Vascular Reactivity During Pregnancy and Preeclampsia”, 1987-1989, Competitive Renewal \$55,000 Total award.

NIH-R01-HD24971-05 “Endothelium-derived Vasodilators in Pregnancy”, 1998-2003, \$112,752 yr. Total Direct Costs.

NIH-7R01-HL49210-04 “Endothelium-derived Vasodilators in Pregnancy: 1993-1994 Y1-\$113,130(Dallas) 1994-1997 \$336,071 Direct Cost Y2-4 (Madison).

American Heart Association - Wisconsin Affiliate 95-GS-74 “Placental Angiogenic Growth Factors and Endothelial Function”, 1995-1996, \$30,000.

NIH-HD33255 “Steroid Control of Uterine Vascular Function”, 1996-2000, \$1,286,371 Total Direct and Indirect Costs (4yrs).

NIH-R01-57653 “Uteroplacental Blood Flow and Vascular Growth”, 1996-2000, \$175,000 /yr. Direct costs \$1,008,000 Total Direct and Indirect Costs (4yrs).

Meriter Foundation Research Grant. Ronald R. Magness, Ph.D. and Deborah Steberg Co PI's “7East Research Renovation Grant”, 1999-2000, \$130,430 Total Award.

Canadian Alberta Heritage Research Travel Grant, “Estrogen and Progesterone induced Increases in Uterine Blood Flow: Genomic and Nongenomic Effects acting via endothelial-derived NO Synthase”, 2000, \$1500 Total Award.

NIH-2R01-HL49210-05 (Competitive renewal of above) Ronald R. Magness, Ph.D., PI renewal of #6 “Endothelium-derived Vasodilators in Pregnancy” 1999-2004, \$1,007,477 Total Direct and Indirect Costs, Funding Approved: Pay line being negotiated.

*NIH PO1 HD38843-01 Program Project Grant Ronald R. Magness, Ph.D., PI, see below for individual projects and core and the individual CoI's, “Placental Angiogenic Factors and Uterine and Placental Artery Endothelial NO Production”, 2001-2006, Scored 140, 3.2%tile, await final budget from council. \$3,757,987 Total Direct Cost \$5,382,285 Total Cost;

***Project II:** “Angiogenic factor and shear stress mediated changes in placental and uterine artery nitric oxide production” 2001-2006, \$635,435 Total Direct Cost.

***Core A** “Administrative Core” 2001-2006, \$392,434 Total Direct Cost.

Sanofi-Aventis OT-Receptor antagonist SSR126768A: Pharmacokinetics and Responses in Ovine Pregnancy, 12/12005-11/30/2007 Total Direct Costs \$295,748, Total incl. F&A \$434,748.

Co-INVESTIGATOR:

NIH #5 R01-HD08783-14; C.R. Rosenfeld, PI “Studies of Uteroplacental Circulation”, 1984-1986, 1986-1991, \$201,387 total direct costs.

NIH #5 R01-HD08783-19; C.R. Rosenfeld, Co-PI ‘Studies of Uteroplacental Circulation’, 1992-1997, \$283,923 requested yearly direct cost.

NIH Grant No. 5 P01-HD13912 P.C. MacDonald PI, “Initiation of human labor: Prevention of prematurity”, 1988-1993 (refunded 1994-1998), \$128,357 Total Annual Direct Costs.

Project 6 J. Ian Mason, PI “Regulation of steroidogenesis in fetal adrenals and placenta during pregnancy and parturition”.

American Heart Association - Wisconsin Affiliate 95-GB-45 Ian M. Bird, PI, “Pregnancy-induced changes in AT-1 receptor expression and function in uterine artery endothelium”, 1995-1997, \$60,000 Total Award.

Wisconsin-Perinatal Research Foundation Leslie Pratt, PI and Ian M. Bird, Ph.D., Administrative PI, “Effects of repetitive dosing of Betamethasone on fetal/maternal adrenal function and fetal pulmonary function in the rabbit”, 1995-1996, \$9,698 Total Award.

USDA Enhancing Reproductive Efficiency Ian M. Bird, Ph.D., PI # 9605524 “Molecular regulation of uterine artery AT-1 receptor in pregnancy” 1996-1999, \$225,000 Total Award.

Wisconsin Perinatal Foundation, Deirdre Habermehl, PI and Ronald R. Magness (Co-PI) “Effects of Pregnancy on enzymes which produce PGI₂, 1997-1998, \$15,000 Total Direct Costs.

NIH-R29- HL/HD 56702-01A1 FIRST Ian M. Bird, Ph.D., PI and Ronald R. Magness, Ph.D., CoI “Mechanisms of pregnancy-induced AT-1 receptor expression”, 1997-2002, \$350,000 Total Direct Costs.

Vilas Associates Professorship Award Ronald R. Magness, Ph.D., Awardee “Shear stress modulation of nitric oxide synthase expression in uterine and placental artery endothelial cells” 1998-2000, \$54,000 Total Award.

Wisconsin Perinatal Foundation Jing Zheng, Ph.D., P.I. and Ronald R. Magness, Ph.D., Co-I, "Effects of nitric oxide on feto-placental angiogenesis", 1999-2000, \$15,000 Total Award.

NIEHS (pilot projects grant) Environment Toxicology Center Dongbao Chen, Ph.D., P.I. and Ronald R. Magness, Ph.D., Co-I, "Estrogen and xenoestrogen regulation of uterine artery endothelium function", 1999-2000 \$12,000 Total Award.

NIH RO1- Beginner Grant HL64703 Jing Zheng, Ph.D., P.I. and Ronald R. Magness, Ph.D., Co-I, "Nitric oxide modulation of feto-placental angiogenesis", 1999-2002, \$125,000/yr.

USDA-NRICGP (9601773 renewal) Ian M. Bird, Ph.D., PI and Ronald R. Magness, Ph.D., CoI, "Angiotensin II regulation of uterine artery endothelial vasodilator production in pregnancy" 2000-2003, \$237,750 Total.

Wisconsin Perinatal Foundation S. Tsoi/HH Kay and Ronald R. Magness Ph.D. (CoI), "Hypoxic regulation of lactate dehydrogenase (LDH) isozymes and hypoxia inducible factor 1 (HIF1) in HUVE and JEG cell lines" 2000-2001, \$10,000 total.

NIH /NICHD PO1 HD31226 Lubo Zheng, Ph.D., PI, Ronald R. Magness, Ph.D., CoI and Ian M. Bird, Ph.D., CoI. "Cortisol and Uterine Artery Contractility: Effects of Pregnancy and Chronic Hypoxia", 2000-2005, \$865,481 Total.

NIH R01HL64601-01A1 Ian M. Bird, Ph.D. PI and Ronald R. Magness, Ph.D. CoI, Dongbao Chen, Ph.D., CoI, "Pregnancy induced changes in UAEC signaling pathways", 2001-2005, \$175,000/yr. JIT.

*NIH PO1 HD38843-01 Program Project Grant Ronald R. Magness, Ph.D., PI -see below for individual projects and core and the individual CoI's. "Placental Angiogenic Factors and Uterine and Placental Artery Endothelial NO Production" 2001-2006, \$3,757,987 Total Direct Cost \$5,382,285 Total Cost.

*Project I: Ian M. Bird, Ph.D., PI and Dongbao Chen Ph.D., CoI. "Signaling mechanisms controlling NO production and mitogenesis in uterine artery endothelial cells (UAEC) and ovine fetal placental artery endothelial cells (OPFAEC)", 2001-2006, \$525,955 Total Direct Cost.

Project III: Helen H Kay, M.D., PI and Ronald R. Magness, Ph.D., CoI "Ethanol exposure on nitric oxide production and angiogenesis in the human placenta" 2001-2006, \$590,051 Total Direct Cost.

Project IV: Thaddeus G. Golos, Ph.D., Helen H. Kay, M.D. CoI and Katharina S. Stewart, M.D., CoI "Regulation of angiogenesis in the diabetic placenta", 2001-2006, \$599,941 Total Direct Cost.

Core B: Ian M. Bird, Ph.D., PI and Stephen Tsoi, Ph.D., CoI "Molecular Biology Core", 2001-2006, \$471,800 Total Direct Cost.

Core C: J Zheng, Ph.D., PI and Ronald R. Magness, Ph.D., CoPI "Angiogenesis/Cell Culture Core" 2001-2006, \$653,389 Total Direct Cost.

NIH R03-HD050578 FuXian Yi, Ph.D., PI and Ronald R. Magness, Ph.D., CoPI "Pregnancy induced resistance to UAE dysfunction", 2005-2007, \$100,000 Total Direct Cost.

NIH R01HL66215-06 Dongbao Chen Ph.D., PI and Ronald R. Magness, Ph.D., CoI "Actions of Estrogen in Uterine Artery Endothelium", 2006-2010, \$1,000,000 Total Direct Cost.

NIH R01 HL079020-05 Ian M. Bird, Ph.D., PI and Ronald R. Magness, Ph.D., CoI “Pregnancy/NO induced changes in UAE Ca²⁺ signaling” Scored 8.9%tile (Awarded 200,000/year Direct Cost) 2006-2011; \$1,050,000 Total Direct.

Consultant:

American Heart -Texas Affiliate P.W. Shaul, PI “Effect of Hypoxia on Vascular Smooth Muscle Adenylate Cyclase”, 1988-1990, \$55,000 Total Award.

American Heart -Texas Affiliate P.W. Shaul, PI “Effect of Hypoxia on Vascular Smooth Muscle Adenylate Cyclase”, 1990-1992, \$55,000 Total Award Competitive Renewal.

USDA Beginner Grant Karen E.Vagnoni, PI and Ronald R. Magness, Ph.D. Consultant “Ovarian regulation of LPS stimulated inducible nitric oxide synthase and COX in uterine and systemic arteries”, 1998-2000, \$170,000 Total Award.

Consultant, Pending:

Hypertension- Naomi Chesler, PI and Ronald R. Magness, Ph.D. Consultant “Right Ventricular-Pulmonary Vascular Interactions in Pulmonary Hypertension”, Proposal 2016.

March of Dimes- Pamela J. Kling, PI and Ronald R. Magness, Ph.D. Consultant “Cellular Signaling and Disordered Nephrogenesis during Intrauterine Growth Restriction”, Proposal 2016.

PreDoctoral Sponsor:

The NHLBI Research Supplements for Individuals with Disabilities Grant Ronald R. Magness, Ph.D., PI Jeff Joyce “Supplement to Endothelium-derived vasodilators in pregnancy R01HL49210”. 2000-2003, \$31,460 Total Award.

The NHLBI Research Supplements for Individuals with Disabilities Grant Ronald R. Magness, Ph.D., PI Mike Byers “Supplement to Nitric Oxide modulation of fetoplacental angiogenesis. R01HL64703”, 2000-2003, \$31,460 Total Award.

American Heart Association Predoctoral Award Ronald R. Magness, Ph.D., PI Li Yun “MAP kinases mediate shear stress induced NO production and eNOS expression in ovine uterine artery endothelial cells”, 2000-2002, \$37,000 Total Award.

Post-Doctoral Sponsor:

American Heart Association - Wisconsin Affiliate, Post-doctoral grant; #62936 Jing Zheng, Post-doc PI “The role of angiogenesis in placental blood flow”, 1995-1997, \$40,308 Total Award.

USDA Individual Post-doc Award Karen E.Vagnoni, Post-doc PI “Steroid Regulation of inducible nitric oxide synthase in uterine arteries and macrophages”, 1996-1998, \$80,000 Total Award.

Minority Postdoctoral Research Supplement Deirdre A. Habermehl, M.D., Research Trainee “Minority supplement to existing NIH award Endothelium-derived vasodilators in pregnancy”, 1996-1998, \$87,897 Total Award.

Uehara Memorial Foundation Tokyo Japan Hiroaki Itoh, MD Visiting Scientist, Ob/Gyn Kyoto, Japan, “Studies of soluble and particulate guanylate cyclase in uterine and placental vasculature during pregnancy”, 1996-1998, \$25,000/yr. salary.

Mead Johnson Bristol Myers Squibb Clinical Research Fellowship Program of ACOG Celeste Sheppard, M.D., PI “Angiogenic growth factors and endothelial NO synthase expression in third trimester placental vessels”, 1996-1997, \$15,000.

ACOG/Healthdyne Perinatal Research Fellowship Celeste Sheppard, MD, PI “Angiogenic growth factors and endothelial NO synthase expression in third trimester placental vessels (Awarded but relinquished due to above award) 1996-1997, \$25,000 Salary Stipend.

R01 HL117341-01A1 RR Magness PI, P. Kling and J Zheng Co-Is, Grant Title: Endothelial Function in a Model of IUGR Induced by Uterine Space Restriction” Minority Supplement for Vladimir E. Vargas, Ph.D. Project title: Development Origins of Adiposity by IUGR. This project defined the role of Leptin and Adiponectin on Metabolic and Cardiovascular Dysfunction during the Postnatal Period into Adulthood. 6/1/2014-11/30/2017 \$223,972 Direct Costs \$337,076 Total Costs.

CURRENT (or Recently Finished)

FDOH-Zika Research Initiative Charles J. Lockwood, M.D., PI; Ozlem Guzeloglu-Kayisli, Ph.D., Co-PI; Ronald R. Magness, Ph.D., Co-I. Entitled: Cellular and molecular mediators of Zika virus replication in decidua and mechanisms of Zika virus transmission from maternal decidua to the placental/fetal unit. 2017- 2018. \$347,826/year Direct Costs, Total Direct Costs \$1,043,478; \$1,200,000 total Direct + Indirect.

Principal Investigator/Co-Investigator/Consultant:

***NIH PO1 HD38843-06A1** Program Project Grant Ronald R. Magness, Ph.D., PI - see below for individual projects and core and the individual Col’s. “Mechanisms of Endothelial and Embryonic Stem Cell Regulation in Pregnancy” Scored 130 2.8%tile (Awarded 2007). 2007-2012, \$5,000 Total Direct Cost; \$7,254,372 Total Cost.

***Project II:** Ronald R. Magness, Ph.D., PI “Shear stress-mediated pregnancy adaptations of uterine artery endothelial cell functions” 2007-2012, \$796,215 Total Direct Cost.

*** Core A:** Ronald R. Magness, Ph.D., PI “Administrative Core” 2007-2012, \$328,785 Total Direct Cost.

NIH-HL49210-09A1 Competitive Renewal Ronald R. Magness, Ph.D., PI “Uterine Endothelial Vasodilators in Pregnancy” Scored 127, 3.6%tile (Awarded \$225,000/ year Direct Cost), 2007-2012, \$1,175,000 Total Direct.

NIH R01 HL49210 Project Director/PI: Ronald R. Magness Parent Grant Title: ARRA Endothelium-Derived Vasodilators in Pregnancy. Supplement Amount: \$12,764 for two years, 2009 and 2010 [Student Award Benjamin Hofeld]. Project Title: Caveolar and Nuclear Estrogen Receptors Proteome in Uterine Endothelial Cells Direct Costs Total costs with F&A \$18,995 6/1/2009-10/31/2010.

NIH R01 HL49210 Project Director/PI: Ronald R. Magness Parent Grant Title: Endothelium-Derived Vasodilators in Pregnancy Minority Supplement for Daniel Henao Department of Bioengineering, Project Title: Effect of gravity on uterine blood flows relative to structural and mechanical indices of remodeling in uterine arteries during the ovine ovarian cycle vs. pregnancy. 7/1/2009-5/31/2010 \$25,779 Total Direct Costs \$38,282 Total Costs.

NIH R01 HL49210 Project Director/PI: Ronald R. Magness Parent Grant Title: Endothelium-Derived Vasodilators in Pregnancy Minority Supplement for Brittney Hills

Spelman College Project title: The effects of early pregnancy on uterine vascular remodeling. 6/1/2010-5/31/2011 \$6,871 Direct Costs \$10,203 Total Costs.

NIH RO1HL0897144-01-A1 Ronald R. Magness, Ph.D., PI “Physiologic Cardiovascular and Uterine eNOS responses: Role of Endogenous Estrogen in Pregnancy”, 2007-2011, Scored 130 6.9%tile
Awarded \$367,500/yr.; 1,837,500 Total Direct.

NIH 1R01HL087144-01A1, Re-entry into Science Supplement for P.J. Kling, R.R. Magness CoPIs Parent Grant: “Physiologic Cardiovascular & Uterine eNOS Responses: Role of Endogenous Estrogen 8/1/2008-7/31/2011 \$226,250 Direct Costs \$334,982 Total Costs.

NIH K99/R00 AA019446 J. Ramadoss, PI and R.R. Magness Mentor. Maternal Uterine Vascular Origins of Fetal Alcohol Spectrum Disorders (FASD) K99 Portion 4/1/2010-3/31/2012 \$122,556 Total Direct \$132,360 Total inc. F&A: **R00 Portion Released Upon Faculty Tenure Track Appointment for J Ramadoss, PI** 4/1/2012-3/31/2015 \$750,000 Total Direct \$1,117,500 Total inc. F&A

NIH R01 HL079020-06 Ian M. Bird, Ph.D., PI and Ronald R. Magness, Ph.D., CoI “Pregnancy/NO induced changes in UAE Ca²⁺ signaling” Scored 1.0: 2% tile (**Awarded 250,000/year Direct Cost**); 1,862,500 Total Direct: [

Training and Fellowship Grants:

NHLBI T32 Cardiopulmonary and Vascular Research. Sarah Yuan (University of South Florida) PI, and R.R. Magness Mentor. “Multidisciplinary Training Program in Vascular Biology and Inflammation.” Submitted 1/25/2018.

Society for Maternal Fetal Medicine Foundation Training Grant: Louis-Jacques, Adetola, MD, (University of South Florida) PI, and RR. Magness Co-Mentor. “Lactation and Association with Maternal Epigenetic Programming and Microbiome.” Award: \$360, 000; Funding 7/1/2017-6/30/2020.

NIH K08 Award: E. Su, MD, (Northwestern University) PI and R.R. Magness Outside Mentor. “Regulation of fetoplacental endothelial cell prostanoid biosynthesis in normal and fetal growth-restricted pregnancies.” 2010-2013. Consultant NIH R01 Award Scored 8%tile; Funding 2014-2018.

Maternal Fetal Medicine Fellowship 2005-2015 (site visit was 9/08; Dr. Bird and I participated) \ I am the Scientific Research Director (D. Shah, M.D., PI)

NIH-T32HD41921 ERP Training Grant 2010-2015 Research Director (Bird IM, PI) \$191,543/yr. I have a minority student on this project.

NIH R25: Training Grant for Underrepresented 2006-2011 Minority Scholars Program I have had three students on this award. \$2,027,323 UW Center for Women’s Health Research; Refunded for 2012-2017, Research Director (Molly Carnes, M.D., PI).

NIH K99/R00 Vladimir E. Vargas, Ph.D., PI, Ronald R. Magness, Ph.D., Mentor and Ian M. Bird, Ph.D., Co-Mentor. Role of Leptin and Adiponectin on Vascular Function and Angiogenesis in Pregnancy, K99 Portion 7/1/15-6/30/17 \$126,275 Total Direct \$136,377 Total Inc. F&A: **R00 Portion Released upon Faculty Tenure Track Appointment for VE Vargas PI** 7/1/2017-06/30/2020. \$741,160 Total Direct \$ 1,020,159 Total Inc. F&A [Not Funded]

Other Grants with a Training Component

***NIH PO1 HD38843-11A1** Program Project Grant Ronald R. Magness, Ph.D., PI - see below for individual projects and core and the individual Col's. "Importance of Endothelial Cell-Cell Communication at the Maternal Fetal Interface". 2014-2017, \$3,936,208 Total Direct Costs (**Reviewed April 16th, 2013; Scored 1.3 w/ 2%tile June Council 2013 Council; funded w/17% reduction.**

***Project II:** Ronald R. Magness, PhD, PI "Shear Stress and Gap Junction-mediated Pregnancy Adaptations of Uterine Artery and Umbilical Vein Endothelial Functions" 2014-2017, \$707,434 Total Direct Cost.

*** Core A:** Ronald R. Magness, Ph.D., PI "Administrative Core" 2012-2017, \$192,103 Total Direct Cost. **NIH U01** Dinesh Shah, PI; Ronald R. Magness Co-I, Advanced MRI for Uteroplacental Flow, Perfusion, Oxygenation & Inflammation. \$747,837 Total Direct 2015-2017.

R01 HL117341-01A1 R.R. Magness PI, P. Kling and J. Zheng Co-Is, Grant Title: Endothelial Function in a Model of IUGR Induced by Uterine Space Restriction" \$250,000/ year Direct Costs, Total Direct Costs 1,250,000. 03/01/2014-02/28/2018, [It received 12th percentile and it was revised and resubmitted: In review June 2013 Study Section and **Scored 1.8 w/ 4%tile Council delayed till Dec 2013, while the government was shut down.** Reduced due to sequester to \$225,000/year Direct Costs, Total Direct Costs \$900,000; \$1,368,000 total Direct + Indirect. 03/01/2014-02/28/2018.

R01 HL117341-01A1 RR Magness PI, P. Kling and J Zheng Co-Is, Grant Title: Endothelial Function in a Model of IUGR Induced by Uterine Space Restriction" **Minority Supplement for Vladimir E. Vargas, Ph.D.** Project title: Development Origins of Adiposity by IUGR. This project defined the role of Leptin and Adiponectin on Metabolic and Cardiovascular Dysfunction during the Postnatal Period into Adulthood. 6/1/2014-11/30/2019 \$223,972 Direct Costs \$337,076 Total Costs.

F31 HD088096-02. NIH Predoctoral Fellowship. Rosalina Villalon Landeros, PI, Sponsors: Ronald R. Magness, PhD., Ian M. Bird, PhD. Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research. Awarded in first submission. Percentile score: 19. Award amount: \$36,137/yr. 2016-9/14/2017.

NIH-T32HD41921 ERP Training Grant Renewal 2015-2020 Research Director (Bird IM, PI) \$191,543/yr. I have had 3 minority students on this project. Scored 1.7.

USF Women's Health Collaborative Grant (WHC). PI; Nicholas W. Carris, PharmD, BCPS. Ronald R. Magness, Ph.D., Co-I. Entitled: Emerging risk factors for high risk pregnancy: Prediabetes. 07/01/2016- 06/30/2017. \$10,000 total Direct + Indirect.

Note:

My previous department of Ob/Gyn at University of Wisconsin had its ranking for NIH funding moved up from 19th in 2013 to 13th in 2014, the majority of which derives from NIH grants awarded to my lab and the Division of Reproductive Sciences. Note the 2016 rankings showed my department at 5th nationwide.

Pending Grants:

USF Creative Scholarship Grant (CGS). PI; Nicholas W. Carris, PharmD, BCPS. Ronald R. Magness, Ph.D., Mentor. Entitled: Emerging risk factors for high risk pregnancy: Prediabetes.

USF Creative Scholarship Grant (CGS). PI; Nicholas W. Carris, PharmD, BCPS. Ronald R. Magness, Ph.D., Mentor. Entitled: In vitro assessment of metformin for the treatment of statin associated muscle symptoms. 04/07/2017- 04/06/2018. \$10,000 total Direct + Indirect.

DOE Minority Science and Engineering Improvement Program (MSEIP). PI; Ronald R. Magness, Ph.D. Entitled: Joint University of South Florida, Spelman, and Morehouse Minority Undergraduate Science Training Summer Research Program. 05/15/2017- 05/14/2020. \$250,000/year Direct Costs, Total Direct Cost \$725,075; \$750,000 total Direct + Indirect.

SRI Training Grant Vladimir E. Vargas, Ph.D., PI; Ronald R. Magness, Ph.D., Mentor. Entitled: Targeted Leptin Nanoparticle Delivery to Study Angiogenesis at the Uteroplacental Unit. 07/31/2017- 06/30/2018. \$50,000 Total cost Inc. F&A.

NIH Small Grant Program (R03) Vladimir E. Vargas, Ph.D., PI; Ronald R. Magness, Ph.D., Mentor. Entitled: Role of Adiponectin and Leptin Regulation of Uterine Artery Angiogenesis in a USR model of IUGR. 12/1/2016- 11/30/2018 \$153,000 Total cost Inc. F&A.

FDOH-Zika Research Initiative Ronald R. Magness, Ph.D., PI; Umit A. Kayisli, Ph.D., Co-PI. Entitled: Mechanisms for Therapeutically Enhancing the Protective Role of the Human Placental Barrier Structure and Functional Resistance for Zika Virus Passage to the Fetus. 2017- 2019. \$347,826/year Direct Costs, Total Direct Costs \$1,043,478; \$1,200,000 total Direct + Indirect.

NIH 1-R21 HL 104409-01 RR Magness, PI Grant Title “RBC eNOS/Caveolar Proteomic Biomarkers for Cardiovascular Phenotypes in Pregnancy” \$275,000 Direct Costs Total Costs \$409,750, [Scored: To be resubmitted]

NIH 1 R01 HL107693-01 Jing Zheng, PhD PI, RR Magness, Co-I Project Title: Oxygen Tension regulation of Endothelial Cell Growth Requested Start: 04/01/2011-03/31/2016. Total direct: \$1,000,000 [Resubmitted]

NIH R01-HL123756-01: William Schrage (PI) and Ronald R. Magness CoI Mechanisms of Human Cerebrovascular Control During Physiologic Stress – 2014-2019 \$1,658,000 Total Direct Costs Co-I 10% effort.

Grant Collaborations

C. Price, Ph.D., (PI) R.R. Magness (Collaborator). “Nitrosylation in ovarian granulosa cells”. [Funded]

F. Xu, Ph.D., (PI), R.R. Magness (Collaborator). NIH R01 “The regulation and function of lymphatic vessels in primate corpus luteum”.

DB Chen Ph.D., (PI) R.R. Magness (Collaborator) [UC-Irvine] NSF Cofilin S-Nitrosylation and Actin Remodeling.

DB Chen Ph.D. (PI) R.R. Magness (Collaborator) [UC-Irvine] NIH R01-Entitled “S-nitrosylation and placental angiogenesis” Funded Scored 1.0 in Oct 2014 Study Section.

M.Carey Satterfield and Kathrin A. Dunlap (PIs) R.R. Magness (Collaborator) [Texas A&M University] USDA-NIH Dual purpose grant entitled “Adaptive Mechanisms of Placental Nutrient Transport in Sheep”. 2013-2016. [Funded]

Guoyao Wu and M. Carey Satterfield (PIs) R.R. Magness (Collaborator) [Texas A&M University] USDA-NIH Dual purpose grant entitled “Arginine Enhances Development of Multiple Fetuses in an Ovine Model”. 2013-2017. [Funded]

M. Carey Satterfield and Kathrin A. Dunlap (PIs) R.R. Magness (Collaborator) [Texas A&M University] USDA-NIH Dual purpose with Dual Benefit grant entitled “Understanding Placental Adaptation to Maternal Malnutrition”. 2015-2019. [11%tile Funded]

William Ricke, Ph.D.: U54 Urology Center Grant. Submitted 2014; consulting on administrative core and integration. [Funded] 2015-2020.

Naomi Chesler, Ph.D.: P01 Program Project Grant. Submitted 2016; internal advisory board; consulting on administrative core and integration of projects and Angiogenesis core.

PUBLICATIONS:

Peer Reviewed Journal Articles

(Names in *Italics* are the Undergraduates, Medical or Graduate Students, MD or PhD Fellows or Scientists Co-Trained or Trained in My Labs)

1. Magness, R.R., Huie, J.M., Hoyer, G.L., Huecksteadt, T.P., Reynolds, L.P., Seperich, G.J., Whysong, G., and Weems, C.W. 1981. Effect of chronic ipsilateral or contralateral intrauterine infusion of prostaglandin E₂ (PGE₂) on luteal function of unilaterally ovariectomized ewes. Prostaglandins and Med. 6(4):389-40. [PMID: 7197035](#)
2. Huie, J.M., Magness, R.R., Reynolds, L.P., Hoyer, G., Huecksteadt, T., Colcord, M., Stalcup, B., Whysong, G.L., and Weems, C.W. 1981. Effect of chronic ipsilateral or contralateral intrauterine infusion of prostaglandin E₁ (PGE₁) on luteal function of unilaterally ovariectomized ewes. Prostaglandins. 21(6):945-55. [PMID: 7197381](#)
3. Reynolds, L.P., Stigler, J., Hoyer, G.L., Magness, R.R., Huie, J.M., Huecksteadt, T.P., Whysong, G.L., Behrman, H.R., and Weems, C.W. 1981. Effect of PGE₁ on PGF₂ alpha-induced luteolysis in nonbred ewes. Prostaglandins. 21(6):957-72. [PMID: 6270737](#)
4. Ford, S.P., Magness, R.R., Farley, D.B., and VanOrden, D.E. 1982. Local and systemic effects of intrauterine estradiol-17 β on luteal function of nonpregnant sows. J Anim Sci. 55(3):657-64. [PMID: 7130068](#)

5. Ford, S.P., Reynolds, L.P., and Magness, R.R. 1982. Blood flow to the uterine and ovarian vascular beds of gilts during the estrous cycle or early pregnancy. *Biol Reprod.* 27(4):878-85. [PMID: 6890856](#)
6. Magness, R.R., and Ford, S.P. 1982. Steroid concentrations in uterine lymph and uterine arterial plasma of gilts during the estrous cycle and early pregnancy. *Biol Reprod.* 27(4):871-7. [PMID: 6890855](#)
7. Magness, R.R., Christenson, R.K., and Ford, S.P. 1983. Ovarian blood flow throughout the estrous cycle and early pregnancy in sows. *Biol Reprod.* 28(5):1090-6. [PMID: 6871309](#)
8. Magness, R.R., and Ford, S.P. 1983. Estrone, estradiol-17 β , and progesterone concentrations in uterine lymph and systemic blood throughout the porcine estrous cycle. *J Anim Sci.* 57(2):449-55. [PMID: 6684657](#)
9. Reynolds, L.P., Magness, R.R., and Ford, S.P. 1984. Uterine blood flow during early pregnancy in ewes: interaction between the conceptus and the ovary bearing the corpus luteum. *J Anim Sci.* 58(2):423-9. [PMID: 6706875](#)
10. Weems, C., Hoyer, G., Magness, R.R., Whysong, G., and Huie, J. M. 1985. Effects of prostaglandins E₂ (PGE₂) on estradiol-17 β -induced luteolysis in the nonpregnant ewe. *Prostaglandins.* 29(2):233-41. [PMID: 3856901](#)
11. Hoyer, G., Magness, R.R., Huie, M., Whysong, G., and Weems, C. 1985. Effects of prostaglandin E₁ (PGE₁) on estradiol-17 β induced luteolysis in the nonpregnant ewe. *Prostaglandins Leukotriens and Medicine.* 17(2):137-46. [PMID: 3856893](#)
12. Weems, C., Huie, M., Magness, R.R., Hoyer, G., and Whysong, G. 1985. Inhibition of an IUD-induced precocious luteolysis by prostaglandin E₁ (PGE₁) in sheep. *Prostaglandins.* 30(4):573-80. [PMID: 4081061](#)
13. Magness, R.R., Osei-Boaten, K., Mitchell, M.D., and Rosenfeld, C.R. 1985. *In vitro* prostacyclin production by ovine uterine and systemic arteries: Effects of angiotensin II. *J. Clinical Investigation* 76(6):2206-12. [PMCID: PMC424343](#)
14. Weems, C., Huie, M., Magness, R.R., Hoyer, G., and Whysong, G. 1985. Prostaglandin E₂ (PGE₂) inhibits an IUD-induced premature luteolysis in sheep. *Prostaglandins Leukot Med.* 20(3):267-73. [PMID: 3867068](#)
15. Magness, R.R., Reynolds, L.P., and Ford, S.P. 1986. Evidence for uterine metabolism of progesterone during early pregnancy in the pig. *Theriogenology.* 25(4):551-8. [PMID: 16726145](#)
16. Magness, R.R., and Rosenfeld, C.R. 1986. Systemic and uterine responses to α -adrenergic stimulation in pregnant and nonpregnant ewes. *Am J Obstet Gynecol.* 155(4):897-904. [PMID: 3766646](#)
17. *Faucher, D.J., Lowe, T.W., Magness, R.R., Laptook, A.R., Porter, J.C., and Rosenfeld, C.R.* 1987. Vasopressin and catecholamine secretion during metabolic acidemia in the ovine fetus. *Pediatr Res.* 21(1):38-43. [PMID: 3797132](#)
18. *John, M.E., Simpson, E.R., Carr, B.R., Magness, R.R., Rosenfeld, C.R., Waterman, M.R., and Mason, J.I.* 1987. Ontogeny of adrenal steroid hydroxylases: evidence for cAMP-independent gene expression. *Molecular Cellular Endocrinology.* 50(3):263-8. [PMID: 2436959](#)

19. France, J.T., Mason, J.I., Magness, R.R., Murry, B.A., and Rosenfeld, C.R. 1987. Ovine placental aromatase: Studies of activity levels, kinetic characteristics and effects of aromatase inhibitors. *J Steroid Biochemistry*. 28(2):155-60. [PMID: 3626552](#)
20. France, J.T., Magness, R.R., Murry, B.A., Rosenfeld, C.R., and Mason, J.I. 1988. The regulation of ovine placental steroid 17 alpha-hydroxylase and aromatase by glucocorticoid. *Molecular Endocrinology*. 2(3):193-9. [PMID: 3135486](#)
21. Rodgers, R.J., Waterman, M.R., Simpson, E.R., and Magness, R.R. 1988. Immunoblot analysis of cholesterol side-chain cleavage cytochrome P-450 and adrenodoxin in corpora lutea of cyclic and late-pregnant sheep. *J Reproduction and Fertility*. 83(2):843-50. [PMID: 3411575](#)
22. Magness, R.R., and Rosenfeld, C.R. 1988. Mechanisms for attenuated pressor responses to alpha-agonists in ovine pregnancy. *Am J Obstet Gynecol*. 159(1):252-61. [PMID: 3394743](#)
23. Spitz, B., Magness, R.R., Cox, S.M., Brown, C.E.L., Rosenfeld, C.R., and Gant, N.F. 1988. Low-Dose Aspirin: I. Effect on angiotensin II pressor responses and blood prostaglandin concentrations in pregnant women sensitive to angiotensin II. *Am J Obstet Gynecol*. 159(5):1035-43. [PMID: 3189434](#)
24. Magness, R.R., and Rosenfeld, C.R. 1989. Local and systemic estradiol-17 β : Effects on uterine and systemic vasodilation. *Am J Physiol*. 256(4 Pt 1): E536-42. [PMID: 2650565](#)
25. Mason, J.I., France, J.T., Magness, R.R., Murry, B.A., and Rosenfeld, C.R. 1989. Ovine placental steroid 17 alpha-hydroxylase/C-17, 20-lyase, aromatase and sulphatase in dexamethasone-induced and natural parturition. *J Endocrinology*. 122(1):351-9. [PMID: 2788698](#)
26. Mustafa, M.M., Ramilo, O., Saez-Llorens, X., Mertsola, J., Magness, R.R., and McCracken, Jr., G.H. 1989. Prostaglandins E₂ and I₂, interleukin 1-beta, and tumor necrosis factor in cerebrospinal fluid in infants and children with bacterial meningitis. *Pediatr Infect Dis J*. 8(12):921-2. (Brief report). [PMID: 2516624](#)
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30. Yoshimura, T., Magness, R.R., and Rosenfeld, C.R. 1990. Angiotensin II and alpha-agonist. II. Effects on ovine fetoplacental prostaglandins. *Am J Physiol*. 259(2 Pt 2):H473-9. [PMID: 1974740](#)
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32. Rainey, W.E., Naville, D., Saez, J.M., Carr, B.R., Byrd, W., Magness, R.R., and Mason, J.I. 1990. Transforming growth factor- β inhibits steroid 17 alpha-hydroxylase cytochrome p-450 expression in ovine adrenocortical cells. *Endocrinology*. 127(4):1910-5. [PMID: 2169408](#)
33. Shaul, P.W., Magness, R.R., Muntz, K.H., DeBeltz, D., and Buja, L.M. 1990. Alpha-1-adrenergic receptors in pulmonary and systemic vascular smooth muscle: Alterations with development and pregnancy. *Circulation Research*. 67(5):1193-200. [PMID: 2171804](#)
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36. Magness, R.R. 1991. Endothelium-derived vasoactive substances and uterine blood vessels. *Semin Perinatol*. 15(1):68-78. [PMID: 1648270](#)
37. Magness, R.R., Rosenfeld, C.R., and Carr, B.R. 1991. Protein kinase C in uterine and systemic arteries during the ovarian cycle and pregnancy. *Am J Physiol*. 260(3 Pt 1):E464-70. [PMID: 2003600](#)
38. Doody, K.J., Lephart, E.D., Stirling, D., Lorence, M.C., Magness, R.R., McPhaul, M.J., and Simpson, E.R. 1991. Expression of mRNA species encoding steroidogenic enzymes in the rat ovary. *J Molecular Endocrinology*. 6(2):153-62. [PMID: 1710461](#)
39. Shaul, P., Kinane, B., Farrar, M.A., Buja, L.M., and Magness, R.R. 1991. Prostacyclin production and mediation of adenylate cyclase activity in the pulmonary artery: Alterations after prolonged hypoxia in the rat. *J Clinical Investigation*. 88(2):447-55. [PMCID: PMC295357](#)
40. Rainey, W.E., Oka, K., Magness, R.R., and Mason, J.I. 1991. Ovine fetal adrenal synthesis of cortisol: Regulation by adrenocorticotropin, angiotensin II and transforming growth factor- β . *Endocrinology*. 129(4):1784-90. [PMID: 1655383](#)
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44. Bird, I.M., Magness, R.R., Mason, J.I., and Rainey, W.E. 1992. Angiotensin II acts via the type I receptor to inhibit 17 alpha-hydroxylase cytochrome P450 expression in ovine adrenocortical cells. *Endocrinology*. 130(6):3113-21. [PMID: 1317775](#)

45. Magness, R.R., Rosenfeld, C.R., Faucher, D.J., and Mitchell, M.D. 1992. Uterine prostaglandin production during ovine pregnancy: Effects of angiotensin II and indomethacin. *Am J Physiol.* 263(1 Pt 2):H188-97. [PMID: 1636758](#)
46. Rosenfeld, C.R., Sampson, W.K., Roy, T.A., *Faucher, D.J.*, and Magness, R.R. 1992. Vasoconstrictor-induced secretion of ANP in fetal sheep. *Am J Physiol.* 263(3 Pt 1):E526-33. [PMID: 1415532](#)
47. *Davis, L.E.*, Magness, R.R., and Rosenfeld, C.R. 1992. Role of angiotensin II and alpha-adrenergic receptors during estrogen-induced vasodilation in ewes. *Am J Physiol.* 263(5 Pt 1):E837-43. [PMID: 1332496](#)
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BOOK CHAPTERS and INVITED PAPERS

(In Italics are the Undergraduates, Medical or Graduate Students, MD or PhD Fellows or Scientists Co-Trained of Trained in My Labs)

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Foreign Language Publications:

(Names in *Italics* are the Undergraduates, Medical or Graduate Students, MD or PhD Fellows or Scientists Co-Trained of Trained in My Labs)

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CHAIRMAN of SYMPOSIUM "LOCAL SYSTEMS IN REPRODUCTION" and CO-EDITOR OF THE BOOK:

Magness, R.R., and Naftolin, F. Editors 1993. *Local Systems in Reproduction. Sero Foundation Symposia, USA, Norwell, MA (Raven Press), Symposium July 6-7, 1992 in Paris, France.*

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CHAIRMAN of SUMMER FASEB MEETING "Cellular and Molecular Regulation of the Perinatal Cardiovascular System" and Guest –Editor two Focus Issues:

Preface and dedication for Focus Issue of the Journal Endothelium. 2005. **"Cellular and Molecular Regulation of the Perinatal Cardiovascular System"** Editors: Lelkes, P.I., and Magness, R.R., (Guest Editor). (10 Articles published).

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LETTERS AND EDITORIALS:

1. Magness, R.R. 1988. Editorial on: Glys, B.S. and Wedding, M.E. Medical Terminology: A Systems Approach. In: Respiratory Care.
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OTHER NON-PEER REVIEWED WRITINGS:

1. Magness, R.R., and Zhang, L. 2016. *John O. L. DeLancey, MD* Submission of Lawrence D. Longo, MD, Memoriam.

ELECTRONIC PUBLICATIONS:

1. Zheng, J., Tsoi, S.C.M., Magness, R.R. Ovis aries basic fibroblast growth factor (FGF-2) mRNA, partial sequences. 2000. GenBank Accession # AF250027.
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ABSTRACTS:

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31. Magness, R.R., *Brown, C.E.L.*, *Davis, L.*, Gant, N.F., and Rosenfeld, C.R. 1987. In vitro uterine arterial contractility and tone in normal human pregnancy: effects of indomethacin (IND). Proceedings of the Society for Gynecologic Investigation, Abstract No. 323. (Oral Presented).

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174. Magness, R.R., *Zheng, J.*, *Meglin, B.M.*, Shaw, C.E., Phernetton, T.M., and Bird, I.M. 1998. Prolonged estrogen treatment mimics the pregnancy-induced increase in uterine artery endothelial nitric oxide synthase (eNOS) protein expression. The 11th World Congress of ISSHP, October 26-30, Kobe, Japan. (Presented).
175. Magness, R.R., *Zheng, J.*, and Bird, I.M. 1998. Angiogenic Growth Factors and their Regulation of Nitric Oxide Synthase Expression Modulates Uterine and Placental Blood Flow during Pregnancy. In the symposium on Vascular endothelial physiology, endothelial cell function and vasoactive agents at the 11th World Congress of ISSHP, Japan. October 26-30, 1998.
176. *Itoh, H.*, *Zheng, J.*, Bird, I.M., Sagawa, N., Fujii, S., Nakao, K., and Magness, R.R. 1998. Basic fibroblast growth factor (bFGF) down-regulates the expression of the clearance receptor of natriuretic peptide in ovine placenta artery endothelial cells via the mitogen-activated protein kinase (MAPK) cascade. The 4th Conference of the International Federation of Placental Associations, October 1-3, Tokyo, Japan. (Presented).
177. *Itoh, H.*, *Zheng, J.*, Bird, I.M., Sagawa, N., Fujii, S., Nakao, K., and Magness, R.R. 1998. Basic fibroblast growth factor (bFGF) down-regulates the expression of the clearance receptor of natriuretic peptide in ovine placenta artery endothelial cells via the mitogen-activated protein kinase (MAPK) cascade. The 11th World Congress of ISSHP, October 26-30, Kobe, Japan. (Presented).
178. *Itoh, H.*, Bird, I.M., Sagawa, H., Fujii, S., Nakao, K., and Magness, R.R. 1998. Pregnancy increases C-type natriuretic peptide (CNP) and its receptor particulate guanylate cyclase-B levels in ovine uterine but not systemic arteries. The 11th World Congress of ISSHP, October 26-30, Kobe, Japan. (Presented).
179. *Itoh, H.*, Bird, I.M., Sagawa, H., Fujii, S., Nakao, K., and Magness, R.R. 1998. Pregnancy increases C-type natriuretic peptide (CNP) and its receptor particulate guanylate cyclase-B levels in ovine uterine but not systemic arteries. The 4th Conference of the International Federation of Placental Associations, October 1-3, Tokyo, Japan. (Presented).
180. *Itoh, H.*, Bird, I.M., Sagawa, N., Fujii, S., Nakao, K., and Magness, R.R. 1998. Pregnancy increases soluble guanylate cyclase and particulate guanylate cyclase-A and decreases the clearance receptor of natriuretic peptide in ovine uterine but not systemic arteries. The 11th World Congress of ISSHP, October 26-30, Kobe, Japan. (Presented).
181. Khorram, O.A., Colman, R.J., Magness, R.R., and Kemnitz, J.W. 1998. Circulating nitric oxide concentrations in aging female and male rhesus macaques. The International Symposium on Biology of Menopause, September 10-13, Newport Beach, California. (Presented).

182. Kay, H.H., Grindle, K.M., and Magness, R.R. 1999. Ethanol toxicity in the human placenta may be related to oxidative stress. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
183. Magness, R.R., Phernetton, T.M., *Rupnow, H.L.*, and *Zheng, J.* 1999. Effects of acute versus prolonged estrogen and/or progesterone treatments on reproductive and nonreproductive blood flows in ovariectomized ewes. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
184. Evans, W., Phernetton, T.M., and Magness, R.R. 1999. Cardiorespiratory response to chronic infusion of estradiol 17- β (E2 β) in nonpregnant oophorectomized sheep during reduction in cardiac output. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
185. *Habermehl, D.A.*, Bird, I.M., Khorram, O., and Magness, R.R. 1999. Endothelial cell nitric oxide synthase expression in uterine arteries from postmenopausal women increases during estrogen replacement therapy. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
186. *Habermehl, D.A.*, *Shideman, C.*, Bird, I.M., and Magness, R.R. 1999. Effects of pregnancy and the phase of the ovarian cycle on uterine artery prostacyclin synthase and cyclooxygenase-1 expression. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
187. Magness, R.R., Modrick, M.L., and *Zheng, J.* 1999. Effect of estrogen replacement therapy and pregnancy on coronary artery content of basic fibroblast growth factor (bFGF) and the FGF Receptor-1. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
188. *Li, Y.*, *Zheng, J.*, Bird, I.M., and Magness, R.R. 1999. Shear stress increases nitric oxide (NO) production by ovine fetoplacental artery endothelial cells. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
189. Bird, I.M., *Yang, S.*, Magness, R.R., *Xiao, D.L.*, and Zhang, L. 1999. ATP stimulates phosphoinositide turnover, rapid elevation of intracellular Ca²⁺ and production of NO by uterine artery endothelium. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
190. *Di, T.*, *Sullivan, J.A.*, Phernetton, T.M., Magness, R.R., and Bird, I.M. 1999. Pregnancy increases the expression of cPLA₂ in ovine uterine artery endothelial cells. 1999. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
191. *Sullivan, J.*, *Zheng, J.*, Magness, R.R., and Bird, I.M. 1999. Angiotensin II (AII) fails to increase intracellular Ca²⁺ but activates mitogen activated protein kinase signaling pathways in ovine uterine artery endothelial cells. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).
192. *Itoh, H.*, *Zheng, J.*, Bird, I.M., *Sagawa, N.*, *Fujii, S.*, *Nakao, K.*, and Magness, R.R. 1999. Basic fibroblast growth factor (bFGF) down-regulates the expression of the clearance receptor of natriuretic peptide in ovine placenta artery endothelial cells via the mitogen-activated protein kinase

(MAPK) cascade. 46th Annual Meeting of the Society for Gynecological Investigation, March 10-13 Atlanta GA (Presented).

193. *Di, T., Sullivan, J.A., Zheng, J., Magness, R.R., and Bird, I.M.* 1999. Differential regulation of prostacyclin and nitric oxide production in an ovine uterine artery endothelial cell (OUAEC) culture model. 81st Annual Meeting of the Endocrine Society, 1999. (Presented).
194. *Qazi, R., I.M. Bird, Magness, R.R., and Zheng, J.* 1999. Nitric oxide (NO) modulates angiogenic factor induced proliferation via MAPK in ovine fetal placental arterial endothelial (OFPAE) cells. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
195. *Magness, R.R., Zheng, J., Shaw, C.E., Phernetton, T.M., and Bird, I.M.* 1999. Estrogen treatment reproduces pregnancy-induced increases in uterine artery (UA) endothelial nitric oxide synthase (eNOS) expression. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
196. *Rupnow, H.L., Phernetton, T.M., Shaw, C.E., Bird, I.M., and Magness, R.R.* 1999. Effects of prolonged progesterone, estrogen, and estrogen plus progesterone on nitric oxide synthase expression in uterine and systemic artery endothelium. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
197. *Joyce, J.M., Phernetton, T.M., and Magness, R.R.* 1999. Shear stress may modulate *in vivo* nitric oxide production by the uterine vascular endothelium in pregnancy. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
198. *Zheng, J., Li, Y., Weiss, A., Bird, I.M., and Magness, R.R.* 1999. Expression of nitric oxide synthase and nitric oxide production in the ovine placenta during late pregnancy. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
199. *Chen, D.B., Sullivan, J.A., Zheng, J., Magness, R.R., and Bird, I.M.* 1999. Estradiol-17 β stimulates protein tyrosine phosphorylation and potentiates growth factor activation of extracellular signal-regulated kinase in ovine uterine artery endothelial cells. 32nd Annual Meeting of the Society for the Study of Reproduction. (Presented).
200. *Stewart, K., Grindle, K., Magness, R.R., and Kay, H.H.* 2000. Decreased basic fibroblast growth factor levels in syncytiotrophoblasts from insulin dependent diabetic patients. Society of Maternal Fetal Medicine. Feb. 2000 (Presented).
201. *Magness, R.R., Sullivan, J.A., Li, Y., Shaw, C.E., Phernetton, T.M., and Bird, I.M.* 2000. Pregnancy and the Follicular Phase of the Ovarian Cycle Increase eNOS mRNA Expression in Uterine Artery Endothelial Cells. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented)
202. *Magness, R.R., Phernetton, T.M., and Chen, D.B.* 2000. Effects of Unilateral Estrogen Receptor Antagonism Using ICI 182,780 Infusion on Uterine Blood Flow Responses to Systemic Estradiol-17 β . 47th Annual Meeting of the Society of Gynecologic Investigation. (Presented).
203. *Tsoi, S.C.M., Toppe, M.P., Zheng, J., Jacobs, J., Millican, D.S., Kay, H.H., Magness, R.R., and Bird, I.M.* 2000. Isolation of a full length cDNA clone encoding ovine endothelial nitric oxide synthase (eNOS). 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).

204. *Joyce, J.M., Phernetton, T.M., Shaw, C.E., Bird, I.M., and Magness, R.R. 2000. eNOS Protein Expression is Differentially Regulated in Large versus Small Uterine Arteries During the Ovarian Cycle. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
205. *Sullivan, J.A., Magness, R.R., and Bird, I.M. 2000. Differential Control of eNOS by Multiple Agonists: Ca²⁺ and Non- Ca²⁺ Dependent eNOS Activation in UA Endothelial Cells (UAEC). 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
206. *Cale, J.M., Pratt, L., Magness, R.R., and Bird, I.M. 2000. Differential Effects of Betamethasone Administration on ACTH-Receptor and Early Steroid Pathway Enzyme Expression in Rabbit Maternal and Fetal Adrenal. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
207. *Byers, M.J., Chen, D.B., Bird, I.M., Rupnow, H.L., Phernetton, T.M., and Magness, R.R. 2000. Estrogen Receptor Expression and Steroid Regulation in Ovine Uterine Arteries. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
208. *Kay, H.H., Grindle, K.M., Oberley, T.D., and Magness, R.R. 2000. Ethanol Exposure in Human Placenta Villi Induces Oxidative Damage. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
209. *Chen, D.B., Byers, M.J., Zangl, A.L., Zheng, J., Bird, I.M., and Magness, R.R. 2000. Activation of Tyrosine Kinase/PLC- γ /Raf-ERK Signaling Pathway by Estrogen Requires Estrogen Receptors in Ovine Uterine Artery Endothelial Cells. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
210. *Di, T., Zhang, L., Magness, R.R., and Bird, I.M. 2000. Differential Roles of Ca²⁺ vs. ERK-1/2 Kinase Signaling in the Control of NO vs. PGI₂ Production in Uterine Artery Endothelial Cells from Nonpregnant and Pregnant Ewes. 47th Annual Meeting of the Society for Gynecologic Investigation. (Presented).*
211. *Magness, R.R., Sullivan, J.A., Li, Y., Shaw, C.E., Phernetton, T.M., and Bird, I.M. 2000. Pregnancy and Follicular Phase of the ovarian cycle increase eNOS mRNA Expression in Uterine Artery Endothelial Cells. 12th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Presented).*
212. *Magness, R.R., Phernetton, T.M., Bird, I.M., and Chen, D.B. 2000. Effects of the Estrogen Receptor (ER) Antagonist ICI 182,780 on Local Uterine Blood Flow Responses to Systemic Estradiol-17 β . 12th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Presented).*
213. *Li, Y., Zheng J., Bird I.M., and Magness, R.R. 2000. Shear Stress Increase Nitric Oxide (NO) Production by Ovine Fetoplacental Artery Endothelial Cells. 12th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Presented).*
214. *Magness, R.R., Bird, I.M., and Zheng, J. 2000. Coordinated Regulation of Uterine Vasoactivity and Angiogenesis during Pregnancy. SSR Program 2000 Minisymposia entitled: "Angiogenesis in the Uterus and Placenta", Chair LP Reynolds. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*

215. *Li Y., Zheng, J., Bird, I.M., and Magness, R.R. 2000. Angiogenic Factors Modulate Shear Stress Induced Nitric Oxide (NO) Production and eNOS Expression by Ovine Fetoplacental Artery Endothelial Cells (OFPAEC). 33rd Annual meeting of the Society for the Study of Reproduction (Presented).*
216. *Modrick, M.L., Zheng, J., and Magness, R.R. 2000. Estrogen and Pregnancy Increase Cardiac and Coronary Artery Levels of basic Fibroblast Growth Factor (bFGF) and the FGF Receptor-1. 33rd Annual meeting of the Society for the Study of Reproduction (Presented).*
217. *Rupnow, H.L., Phernetton, T.M., Modrick, M.L., Shaw, C.E., Bird, I.M., Magness, R.R. 2000. Effects of Prolonged Progesterone, Estrogen, and Combination Treatment on UBF Redistribution and Tissue Specific eNOS Expression in Ovine Uterine Microvasculature. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
218. *Van Handel, D., Modrick, M.L., Rupnow, H.L., Zheng, J., Bird, I.M., Magness, R.R. 2000. Effects of Prolonged Progesterone ± Estrogen Therapy and Pregnancy on Expression of Angiotensin II Type 1 Receptor (AT₁R), Basic Fibroblast Growth Factor (bFGF), and Endothelial Nitric Oxide Synthase (eNOS) in Cardiac Tissue of Sheep. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
219. *King, A.G., Joyce, J.M., Rupnow, H.L., and Magness, R.R. 2000. Effects of the Ovarian Cycle and Steroid Replacement Therapy on Ovine-Uterine Tissue Expression of VEGF and Flt-1. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
220. *Magness R.R., Sullivan, J.A., Li, Y., Shaw, C.E., Phernetton, T.M., and Bird, I.M. 2000. Pregnancy and Follicular Phase of the Ovarian Cycle Increase eNOS mRNA Expression in Uterine Artery (UA) Endothelial Cells. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
221. *Magness R.R., Phernetton, T.M., Bird, I.M., and Chen, D.B. 2000. Effects of Estrogen Receptor (ER) Antagonist ICI 182,780 (ICI) on Local Uterine Blood Flow (UBF) Responses to Systemic Estradiol-17B (E2B). 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
222. *Zheng, J., Tsoi, S., and Magness, R.R. 2000. Expression of VEGF and Neuropilin-1 (NP-1) in Ovine Placental Artery Endothelial (OFPAE) Cells. 33rd Annual Meeting of the Society for the Study of Reproduction (Presented).*
223. *Di, T., Magness, R.R., and Bird, I.M. 2001. ATP Stimulated Ca²⁺ Elevation in P-UAEC is Entirely through Release of an Intracellular Pool in a Ryandine Receptor-independent Manner. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
224. *Sullivan, J.A., Cale, J.M., Magness, R.R., and Bird, I.M. 2001. Insulin Stimulates Akt but not ERK ½ or Nitric Oxide (NO) in an Ovine Uterine Artery Endothelial Cell Culture Model (UAEC). 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
225. *Cale, J.M., Sullivan, J.A., Magness, R.R., and Bird, I.M. 2001. Characterization of Uterine Artery Endothelial Cells Using Microarray and Power Blot Technologies. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
226. *Byers, M.J., Chen, D.B., Phernetton, T.M., Bird, I.M., and Magness, R.R. 2001. Endothelial Estrogen Receptor α and β Expression and Steroid Regulation in Ovine Uterine Arteries. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*

227. *Li, Y., Zheng, J., Bird, I.M., and Magness, R.R. 2001. Effects of Shear Stress, Angiogenic Factors, and MAPK on Nitric Oxide Synthase (eNOS) Expression by Ovine Fetoplacental Artery Endothelial Cells. 48th Annual Meeting of the Society for Gynecologic Investigation (Oral Presented).*
228. *Zheng, J., Li, Y., Wen, Y.X., Chen, D.B., Bird, I.M., and Magness, R.R. 2001. Angiotensin II Elevates eNOS Expression and NO Production in Fetoplacental Artery Endothelial (OFPAE) Cells. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
229. *Burleigh, D.W., Stewart, K., Grindle, K.M., Magness, R.R., Kay, H.H., Golos, T.G. 2001. Proliferation and Apoptosis in Placenta from Diabetic Women. 2001. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
230. *Gifford, S.M., Di, T., Sullivan, J.A., Magness, R.R., and Bird, I.M. 2001. Effects of Cell Culture on Agonist Stimulated ERK-1/2 and Ca²⁺ Signaling in UAEC. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
231. *Cale, J.M., Tsoi, S., Magness, R.R., Zheng, J., and Bird, I.M. 2001. Cloning and Expression of Ovine Endothelial Nitric Oxide Synthase (eNOS). 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
232. *Chen, D.B., Zangl, A.L., Zhao, Q., Markley, J.L., Zheng, J., Bird, I.M., and Magness, R.R. 2001. Ovine Caveolin-1: cDNA Cloning, E coli Expression, and Association with Endothelial Nitric Oxide Synthase. 48th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
233. *Bird, I.M., Di, T., and Magness, R.R. 2001. ATP Stimulates IP₃ Mediated CA²⁺ Release but not Influx of Extracellular CA²⁺ in Uterine Artery Endothelial cells (UAEC) during Pregnancy. 83rd Annual Meeting of the Endocrine Society (Oral Presented).*
234. *Joyce, J.M., Phernetton, T.M., Shaw, C.E., and Magness, R.R. 2001. Generational Expression of COX-1, cPLA₂ and PGIS Protein Expression in Large Versus Small Uterine Arteries during the Ovine Ovarian Cycle and Mid- and Late Pregnancy. 34th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
235. *Rupnow, H.L., Phernetton, T.M., Modrick, M.L., Wiltbank, M.C., Bird, I.M., and Magness, R.R. 2001. Endothelial Vasodilator Production by Uterine and Systemic Arteries: Estrogen and Progesterone Effects on cPLA₂, COX-1, and PGIS Protein Expression. 34th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
236. *Magness, R.R., Vonnahme, K.A., Li, Y., Rupnow, H.L., Phernetton, T.M., and Ford, S.P. 2001. Circulating Levels of Nitric Oxide (NO) and VEGF during Ovine Pregnancy. 34th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
237. *Magness R.R., Lopez, G.E., Li, Y., Byers, M.J., Zangl, A.L., Bird, I.M. 2002. Shear Stress Modulation of Estrogen - Induced Endothelial Nitric Oxide Synthase (NOS) Expression in Ovine Uterine Artery Endothelial Cells (UAEC). 49th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
238. *Koehler, S.M., Cale, J.M., Magness, R.R., Bird, I.M. 2002. Effects of Cell Culture on Cell Signaling in Uterine Artery Endothelial Cells. 49th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*

239. *Chen, D.B., Bird, I.M., Zheng, J., and Magness, R.R. 2002. Acute activation of endothelial nitric oxide synthase by estrogen in uterine artery endothelial cells requires membrane estrogen receptors and extracellular signal-regulated kinases, but not protein kinase B/Akt. 49th Annual Meeting of the Society for Gynecologic Investigation (Oral Presented).*
240. *Zheng, J., Tsoi, S.C.M., Wen, Y., and Magness, R.R. 2002. Expression of vascular endothelial growth factor in ovine feto-placental artery endothelial cells and in ovine placentas. 49th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
241. *Magness, R.R., Lopez, G.E., Li, Y., Byers, M.J., Zangl, A.L., and Bird, I.M. 2002. Shear stress and estradiol-17 β (E2 β)-regulation of endothelial nitric oxide synthase (eNOS) expression in ovine uterine artery endothelial cells (UAEC). 13th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Poster Presented).*
242. *Matsubara, K., Bird, I.M., Zheng, J., and Magness, R.R. 2002. Estrogen and progesterone modulation of capillary tube formation in ovine uterine artery endothelial cells (UAEC). 13th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Poster Presented).*
243. **Chen, D.B., Bird, I.M., Zheng, J., and Magness, R.R. 2002. Acute activation of endothelial nitric oxide synthase by estrogen in uterine artery endothelial cells requires membrane estrogen receptors and extracellular signal-regulated kinases, but not protein B/Akt. 13th World Congress International Society for the Study of Hypertension in Pregnancy (ISSHP) (Oral Presented).**
244. **Chung, J.Y., Wen, Y.X., Magness, R.R., and Zheng, J. 2002. Expression of VEGF receptors KDR, Flt1, Neuropilin-1 (NP-1) and NP-2 in ovine fetoplacental artery endothelial (OFPAE) cells. 35th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).**
245. **Gibson, T.C., Phernetton, T.M., Lopez, H., Wiltbank, M.C., and Magness, R.R. 2002. Development of an ovarian synchronization model to study the effects of endogenous estrogen on uterine blood flow (UBF) in sheep. 35th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).**
246. **King, A.G., Zheng, J., Bird, I.M., and Magness, R.R. 2002. Estrogen receptor (ER) α and ER-B stimulation increases vascular endothelial growth factor secretion by ovine uterine artery endothelial cells. 35th Annual Meeting of the Society for the Study of Reproduction (Oral Presented).**
247. **Magness, R.R., Byers, M.J., Zangl, A.L., Lopez, G.E., Li, Y., and Bird, I.M. 2002. Shear stress regulation of estradiol-17B (E2 β)-induced rises in endothelial nitric oxide synthase (eNOS) expression in ovine uterine artery endothelial cells is not associated with elevations in estrogen receptors. 35th Annual Meeting of the Society for the Study of Reproduction (Oral Presented).**
248. **Bird, I.M., Grummer, M., Di, T., Yi, F., and Magness, R.R. 2003. Endothelial NOS is regulated to a greater extent by Ca²⁺-independent than Ca²⁺-dependent mechanisms in uterine artery endothelial cells. 50th Annual Meeting of the Society for Gynecologic Investigation (Oral Presented).**
249. **Li, Y., Zheng, J., Bird, I.M., and Magness, R.R. 2003. Mechanisms of shear stress induced endothelial nitric oxide synthase (eNOS) phosphorylation in ovine fetoplacental artery endothelial cells. 50th Annual Meeting of the Society for Gynecologic Investigation (Oral and Poster Presented).**

250. *Chung, J.Y., Song, Y., Wen, Y., Austin, J.L., and Magness, R.R. 2003. Differential Expression of VEGF, EG-VEGF, and VEGF receptors in human placentas from normal and preeclamptic pregnancies. 50th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
251. *Chen, D.B., Li, X., Zheng, J., and Magness, R.R. 2003. Tyrosine phosphorylation of caveolin-1 by hydrogen peroxide is mediated by a SRC-dependent pathway in ovine fetoplacental artery endothelial cells. 50th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
252. *Zheng, J., Wen, Y., Song, Y., and Magness, R.R. 2003. Both bFGF- and VEGF-stimulated proliferation of ovine fetoplacental artery endothelial (OFPAE) cells are mediated via ERK 1 /2 MAPK and PI-3K signaling pathways. 50th Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
253. *Gibson, T.C., Phernetton, T.M., Wiltbank, M.C., and Magness, R.R. 2003. Effects of endogenous estrogen and nitric oxide on uterine blood flow during synchronized ovarian cycles in sheep. 36th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
254. *Magness, R.R., Gibson, T.C., and Phernetton, T.M. 2003. Local uterine blood flow responses to ICI 182,780 in ovariectomized-E2B treated, intact follicular phase, and pregnant sheep. 36th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
255. *King, A.G., Matsubara, K., Bird, I.M., Zheng, J., and Magness, R.R. 2003. Estrogen induced increases in VEGF modulate uterine artery endothelial cell angiogenesis. 36th Annual Meeting of the Society for the Study of Reproduction (Poster Presented).*
256. *Ablow, T.S., Phernetton, T.M., and Magness, R.R. 2004. Effects of endogenous ovarian versus exogenous estrogen on urogenital tissue blood flows. 51st Annual Meeting of the Society for Gynecologic Investigation (Presented).*
257. *Chen, D.B., Jia, S., Phernetton, T.M., and Magness, R.R. 2004. Reciprocal regulation of caveolin-1 and endothelial NO synthase protein expression by estrogen in ovariectomized sheep uterine artery endothelium. 51st Annual Meeting of the Society for Gynecologic Investigation (Oral Presented).*
258. *Zheng, J., Austin, J.L., Lin, Y., and Magness, R.R. 2004. Both bFGF and VEGF stimulated cell migration via activation of the ERK1/2 MAPK and PI-3K signaling pathways in ovine fetoplacental artery endothelial (OFPAE) cells. 2004. 51st Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
259. *Yi, F.X., Magness, R.R., and Bird, I.M. 2004. Direct imaging of intracellular NO production and simultaneous imaging of [Ca²⁺] in freshly isolated uterine artery endothelial cells. 51st Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*
260. *Byers, M.J., Zangl, A.L., Chen, D.B., Bird, I.M., and Magness, R.R. 2004. Endothelial and vascular smooth muscle (VSM) estrogen receptor α and β expression in ovine uterine arteries during the ovarian cycle and pregnancy. 51st Annual Meeting of the Society for Gynecologic Investigation (Oral Presented).*
261. *Meister, D.W., Phernetton, T.M., Stow, T.J., and Magness, R.R. 2004. Comparison of plasma and blood viscosity during the ovine ovarian cycle and pregnancy. 51st Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).*

262. Austin, J.L., Bird, I.M., Yi, F.X., Magness R.R., and Zheng, J. 2004. *In vitro* real time detection of intracellular nitric oxide (NO) in ovine fetoplacental artery endothelial cells (OFPAEC) and uterine artery endothelial cells. 51st Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
263. Burleigh, D.W., Grendell, R.L., Grindle, K.M., Magness, R.R., and Golos, T.G. 2004. Microarray analysis of JEG3 and BEWO cell lines: Comparison of differentially expressed transcripts. 51st Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
264. Magness, R.R., Byers, M.J., King, A.G., Austin, J.L., Yi, F.X., Bird, I.M., Zheng, J. 2004. Estrogen receptors and VEGF modulation of angiogenic and nitric oxide responses in ovine uterine artery endothelial cells. 37th Annual Meeting of the Society for the Study of Reproduction (Oral Presented).
265. Meister, D.W., Phernetton, T.M., and Magness, R.R. 2005. Regulation of *in vivo* uterine artery (UA) shear rates during the ovarian cycle alter rheologic properties of blood. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
266. Magness, R.R., Grindle, K.M., Phernetton, T.M., Magness, D.J., Schonberg, A.L., and Bernstein I.M. 2005. Uterine artery (UA) shear stress in the proliferative and secretory phases of the menstrual cycle. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
267. Magness D.J., Phernetton, T.M., Meister, D.W., Schonberg, A.L., Bernstein, I.M., and Magness, R.R. 2005. Blood rheologic properties and uterine blood flow changes during the ovarian cycle in women and sheep. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
268. Chen, D.B., Liao, W.X., Li, S., Magness, R.R., Moore, T.R., and Brace, R.A. 2005. Functional estrogen receptors are coupled to endothelial nitric oxide synthase gene transcription in uterine artery endothelial cells. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
269. Zheng J., Wen, Y., Austin, J.L., and Magness, R.R. 2005. Endogenous nitric oxide regulation of bFGF- and VEGF- stimulated cell proliferation in ovine feto-placental artery endothelial (OFPAE) cells. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
270. Matsubara, K., King, A.G., Bird, I.M., Zheng, J., Byers, M.J., Ito, M., and Magness, R.R. 2005. Effect of estradiol and IGF-1 on the angiogenesis of uterine artery. 52nd Annual Meeting of the Society for Gynecologic Investigation (Poster Presented).
271. Magness, R.R. 2006. Endothelial regulation of uteroplacental blood flow and fetal growth may underlie development origins of adult onset diseases. 39th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
272. Sprague, B.J., Phernetton, T.M., Magness, R.R., and Chesler, N.C. 2007. Dimensional remodeling of sheep uterine artery vascular networks during pregnancy. 2007 BMES Annual Fall Meeting. (Oral Presented).
273. Huls, C.K., Shah, D., Magness, R.R., and Lopez, G.E. 2007. Estrogen modulation of endothelial nitric oxide synthase (eNOS) phosphorylation responses in follicular, luteal and pregnant derived ovine uterine artery endothelial cells (UAEC). 53rd Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).

274. Magness, R.R., Grindle, K.M., Alanza, E., Echalar, L., Vargas, E., and Zamudio, S. 2007. Uterine artery shear stress in pregnancy: Altitude, ethnic ancestry and preeclampsia. 53rd Annual Meeting of the Society for Gynecologic Investigation. (Presented).
275. Ablove, T.S., Austin, J.L., Phernetton, T.M., and Magness, R.R. 2007. Endogenous vs. exogenous estrogen replacement (ERT) on bladder blood flow (BBF) and ER α and ER β levels. 53rd Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
276. Magness, R.R., Grindle, K.M., Phernetton, T.M., Magness, D.J., Schonberg, A.L., and Bernstein I.M. 2007. Shear stress and uterine blood flows during the proliferative and secretory phases of the menstrual cycle and early pregnancy. 53rd Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
277. Yi, F.X., Magness, R.R., and Bird, I.M. 2007. VEGF inhibits ATP-induced [Ca²⁺]_i and NO production in endothelium of intact uterine arteries. 53rd Annual Meeting of the Society for Gynecologic Investigation. (Oral Presented).
278. Magness, R.R., Yi, F.X., Vang, S., Phernetton, T.M., and Austin, J. L. 2007. Aromatase Inhibition of endogenous estrogen using letrozole in ovine pregnancy decreases uterine artery endothelial nitric oxide production. 40th Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
279. Koch, J.M., Lemley, C.O., Magness, R.R., and Wilson, M.E. 2007. Growth hormone promotes fetal growth by altering uterine environment. 40th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
280. Huls, C.K., Shah, D.M., Lopez, G.E., and Magness, R.R. 2007. Endothelial Nitric Oxide synthase phosphorylation responses to basic fibroblastic growth factor and estrogen in follicular, luteal, and pregnant derived ovine uterine artery endothelial cells. Aspen Perinatal Biology Symposium, The Given Institute, Aspen, CO, August 2007. (Poster Presented).
281. Sprague, B.J., Phernetton, T.M., Magness, R.R., and Chesler, N.C. 2007. Effects of estrogen on pressure-length-diameter relationships in uterine arteries during ovine pregnancy. Aspen Perinatal Biology Symposium, The Given Institute, Aspen, CO, August 2007. (Presented).
282. Magness, R.R., Yi, F.X. 2007. Endogenous estrogen regulation of endothelial function and uteroplacental blood flow may underlie developmental origins of adult onset diseases. 5th International Congress on Developmental Origins of Health and Disease, Perth, Western Australia, Nov. 6-10. (Poster Presented).
283. Sprague, B.J., Phernetton, T.M., Magness, R.R., and Chesler, N.C. 2008. Changes in Uterine Vascular Hemodynamics during the Ovarian Cycle: Insights Gained from Resistance and Impedance vs. Blood Flow Indices. Fifth International Bio-Fluid Symposium and Workshop - March 28th-30th at Cal Tech in Pasadena, CA. (Oral Presented).
284. Sprague, B.J., Phernetton, T.M., Chesler, N.C., and Magness, R.R. 2008. Decrease in Volumetric and Circumferential Stiffness of Large Uterine Arteries Occurs with Pregnancy. Reproductive Bioengineering Conference, April 1-5, Kuhtai, Austria. (Poster Presented).

285. Yi, F.X., Phernetton, T. M., Austin, J.L., and Magness, R.R. 2008. Estrogen enhances NO production and Decreases ROS production in intact endothelium of uterine arteries from pregnancy ewes. 55th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
286. Huls, C.K., Lopez, G.E., Shah, D., and Magness, R.R. 2008. Shear Stress Modulation of Endothelial Nitric Oxide Synthase (eNOS) Phosphorylation Responses in Follicular, Luteal, and Pregnant Derived Ovine Uterine Artery Endothelial Cells (UAEC). 55th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
287. Magness, R.R., Grindle, K.M., Magness, D.J., Schonberg, A.L., and Bernstein, I.M. 2008. Shear Stress and Uterine Blood Flows during the Proliferative and Secretory Phases of the Menstrual Cycle and Pregnancy. 55th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
288. Magness, R.R., Yi, F.X., Vang, S., Phernetton, T.M., and Austin, J.L. 2008. Endogenous Estrogen Inhibition using Letrozole in Ovine Pregnancy Decreases Uterine Artery Endothelial Nitric Oxide Production. 55th Annual Meeting of the Society for Gynecologic Investigation. (Oral Presented).
289. Magness, R.R., Yi, F.X., Lopez, G., and Vonnahme, K. 2008. Uterine Artery Endothelial Bradykinin Receptor Levels and Their Activation of NO Production during the Ovine Ovarian Cycle and Pregnancy. 41st Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
290. Magness, R.R., Yi, F.X., Vang, S., Phernetton, T.M., and Austin, J.L. 2008. Endogenous Placental Estrogen Inhibition using Letrozole in Ovine Pregnancy Lowers Uterine Artery Endothelial Nitric Oxide Production. 1st World Congress on Reproductive Biology, May 2008, Kona, Hawaii. (Poster Presented).
291. Zhang, H.H., Liao, W.X., Feng, L., Magness, R.R., and Chen, D.B. 2008. Estrogen Receptor Endogenous Nitric Oxide Dependent Dynamic S-Nitrosylation in Estradiol-17 β -Treated Endothelial Cells. 41st Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
292. Dunlap, K.A., Kwak, H., Su, S., Mendoza, E.A., Burghardt, R.C., Bazer, F.W., Magness, R.R., Johnson, G.A., and Bayless, K.J. 2008. Involvement of the sphingosine-1-phosphate cell signaling pathway in regulating ovine endometrial angiogenesis during pregnancy. 41st Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
293. Salih, S., Kapur, A., and Magness, R.R. 2008. 2-Methoxy estradiol inhibits angiogenesis in sheep uterine artery endothelial cells. Am. Soc. Fertility and Sterility. (Oral Presented).
294. Magness, R.R., Grindle, K.M., Phernetton, T. M., Magness, D.J., Schonberg, A.L., and Bernstein, I.M. 2009. Uterine artery shear rates, shear stress, and blood flows throughout the proliferative phase and periovulatory period of the menstrual cycle. 56th Annual Meeting of the Society for Gynecologic Investigation. (Oral Presented).
295. Huls, C.K., Lopez, G.E., Shah, D.M., and Magness, R.R. 2009. Shear stress induced phosphorylation of endothelial nitric oxide synthase (eNOS) in uterine artery endothelial cells (UAECs) derived during the ovarian cycle and pregnancy; a model for Akt and ERK1/2 signaling. 56th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
296. Khan, L.H., Liu, X.T., Magness, R.R., and Rosenfeld, C.R. 2009. The cGMP-PKG-dependent pathway and large conductance CA2+-activated K⁺ channels (BKca) are up-regulated in uterine

- artery smooth muscle (UASM) during the ovine ovarian cycle (OC). 56th Annual Meeting of the Society for Gynecologic Investigation. (Oral Presented).
297. Zhu, Y., Sprague, B.J., Phernetton, T.M., Magness, R.R., and Chesler, N.C. 2009. A transmission line model to simulate the impedance of the uterine vasculature during the ovarian cycle and pregnancy. 56th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
 298. Ramadoss, J., Cudd, T.A., and Magness, R.R. 2009. Binge-like ethanol reduces eNOS expression, Phosphorylation and Associated Major Signaling Cascades in Ovine Maternal Uterine Artery Endothelial cells. Alcohol. Clin. Exp. Res. (Presented); Finalist and runner up Gordis Award: Oral and Poster Platform. And NIH NIA AAA Sponsored RSA Junior Investigator Award.
 299. Jobe, S.O., Koch, J.M., Ramadoss, J., Jiang, Y., Zheng, J., and Magness, R.R. 2009. Estradiol17 β , Its Hydroxylated and Methoxylated Metabolites, stimulate proliferation of Uterine Artery Endothelial Cells from pregnant sheep. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
 300. Sandgren, J.A., Ramadoss, J., Lopez, G.E., Grindle, K.M., Phernetton, T.M., Segar, J.L., and Magness, R.R. 2009. Uterine lumen space restriction decreases nitric oxide synthase and alters its relationship with caveolins in the ovine fetal heart. 42nd Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
 301. Sprague, B.J., Henao, D.A., Phernetton, T.M., Chesler, N.C., and Magness, R.R. 2009. Local factors of placentation substantially alter uterine artery structural and mechanical indices, vascular impedance metrics, and eNOS levels during ovine pregnancy. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
 302. Henao, D.A., Sprague, B.J., Phernetton, T.M., Chesler, N.C., and Magness, R.R. 2009. Effect of gravity on uterine blood flows relative to structural and mechanical indices of remodeling in uterine arteries during the ovine ovarian cycle vs. pregnancy. 42nd Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
 303. Meyer, K.M., Koch, J.M., Habeck, J.M., Blohowiak, S.E., Ramadoss, J., Kling, P.J., and Magness, R.R. 2009. Effects of novel maternal uterine space restriction model on fetal kidney development in sheep. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
 304. Koch, J.M., Yi, F.X., Lopez, G.E., and Magness, R.R. 2009. Maternal recognition of pregnancy programs early alterations in ovine uterine endothelial calcium and nitric oxide regulation. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
 305. Ramadoss, J., Liao, W.X., Chen, D.B., Patankar, M.S., and Magness, R.R. 2009. The Partitioning and Domain-specific Multi-site Phosphorylation “Zip Codes” of Endothelial Nitric Oxide Synthase in Uterine Artery Endothelial Cells. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
 306. Zhang, H.H., Feng, L., Hoh, J.K., Shim, J.Y., Livnat, I., Lia, W.X., Magness, R.R., and Chen, D.B. 2009. Estrogen induced uterine artery endothelial nitrosyl-proteome: Potential roles of protein nitrosylation in uterine blood flow regulation. 42nd Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).

307. Dunlap, K.A., Li, X., Satterfield, M.C., Burghardt, R.C., Erikson, D.W., Halvorsen, M.L., Wu, G., Bazer, F.W., Spencer, T., Magness, R.R., Bayless, K.J., and Johnson, G.A. 2009. Antagonism of the Sphingosine 1-phosphate (S1P) signaling pathway in pregnant ewes alters placental architecture, amino acid transport and fetal growth. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented). SSR Poster Award.
308. Yi, F., Magness, R.R., and Bird, I.M. 2009. Simultaneous *in situ* monitoring of intracellular Ca²⁺ bursts and NO in intact endothelium of uterine arteries during the ovarian cycle and pregnancy. 42nd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
309. Fling, S.N., Jobe, S.O., and Magness, R.R. 2010. The Role of ER- α vs. ER- β on Estradiol-17 β -induced Angiogenesis. Historically Black Colleges and Universities Undergraduate Conference (HBCU-UP) National Research Conference. Washington, D.C. (Poster Presented). First Place Poster Awarded.
310. Magness, R.R., Sprague, B.J., Henao, D.A., Ramadoss, J., Koch, J.M., and Chesler, N.C. 2010. Local uteroplacental factors increase uterine blood flow (UBF) and shear stress (SS) in association with structural and mechanical indices, vascular impedance metrics, and eNOS/NO levels. 57th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
311. Jobe, S.O., Ramadoss, J., Koch, J.M., Jiang, Y., Zheng, J., and Magness, R.R. 2010. Pregnancy specific estradiol-17 β -mediated proliferation in uterine artery endothelial cells: Role of ER- α vs. ER- β in Angiogenesis. 57th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
312. Livnat, I., Zhang, H., Magness, R.R., and Chen, D.B. 2010. Estrogen receptors and endothelial nitric oxide synthase are present in uterine artery endothelial cell mitochondria. 57th Annual Meeting of the Society for Gynecologic Investigation. (Oral Accepted). SIG Pfizer President's Grant Award.
313. Ramadoss, J., and Magness, R.R. 2010. Binge alcohol reduces eNOS expression, phosphorylation and associated major signaling cascades in ovine pregnant uterine artery endothelial cells (UAEC's). 57th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented)
314. Ramadoss, J., Liao, W.X., Chen, D.B., Patankar, M.S., and Magness, R.R. 2010. ATP-induced caveolar proteomic signature profile and domain-specific multi-site phosphorylation "Zip Codes" of uterine artery endothelial cell (UAEC) eNOS. 57th Annual Meeting of the Society for Gynecologic Investigation. (Oral Presented). SIG Pfizer President's Grant Award.
315. Ramadoss, J., Liao, W.X., Chen, D.B., and Magness, R.R. 2010. Effect of Chronic Binge Alcohol on NO regulation and the Profile of NO-Related Caveolar Proteins in Ovine Pregnant Uterine Endothelial Cells. Alcohol Clin. Exp. Res. 34:793 (Gordis Award Finalist, Research Society on Alcoholism NIH Junior Investigator Award, Oral Presentation).
316. Ramadoss, J., Liao, W.X., Chen, D.B., and Magness, R.R. 2010. Effect of Chronic Binge Alcohol on NO regulation and the Profile of NO-Related Caveolar Proteins in the Utero-Placental Compartment. Alcohol Clin. Exp. Res. 34:106 (Accepted for Plenary Symposium Talk). NIH NIA AAA Sponsored RSA Junior Investigator Award.
317. Sun, M., Habeck, J.M., Koch, J.M., Meyer, K.M., Magness, R.R., and Kling, P.J. 2010. Placental Transferrin Receptor Expression and Fetal Iron Status with Uterine Space Restriction in Ovine Pregnancy. Midwest Society for Pediatric Research (Oral Presented).

318. *Jobe, S.O., Zheng, J., and Magness, R.R. 2010. Estradiol-17 β and its Cytochrome P450 – and Catechol-O-methyltransferase – Derived Metabolites induce Proliferation of Uterine Artery Endothelial Cells via Activation of ERK-1/2 and p38 MAPK Signaling Pathways. 43rd Annual Meeting for the Society for the Study of Reproduction (Oral Presented) [FASEB Minority Travel Award].*
319. *Fling, S., Jobe, S.O., Koch, J.M., Zheng, J., and Magness, R.R. 2010. β -Adrenergic Receptors and Catecholamines Modulate Pregnancy-Specific Catecholestradiol-Mediated Proliferation of Uterine Artery Endothelial Cells. 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).*
320. *Morschauser, T.J., Ramadoss, J., Koch, J.M., Lopez, G.E., Bird, I.M., and Magness, R.R. 2010. Unilateral Effects of Pregnancy on Differential Expression of the Gap Junction Proteins Connexin 43 and 37 in Ovine Uterine Artery Endothelium. 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).*
321. *Koch, J.M., Ramadoss, J., and Magness, R.R. 2010. Proteomic Profile of Uterine Luminal Fluid from Early Pregnant Ewes. 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).*
322. *Ramadoss, J., Liao, W.X., Chen, D.B., and Magness, R.R. 2010. ATP Induces Rapid Trafficking of ATP Transporters into Endothelial Caveolae that are Enriched with Specific ATP-Related Protein Machinery in the Uterine Artery. 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).*
323. *Hofeld, B.C., Ramadoss, J., Pastore, M., Liao, W.X., Chen, D.B., and Magness, R.R. 2010. Uterine Artery Endothelial Cell Caveolar Proteomics Underscores Sub-cellular Compartmentalization of Estrogen Receptors α and β . 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).*
324. *Henao, D.A., Hills, B., Koch, J.M., Sprague, B.J., and Magness, R.R. 2010. Structural and Mechanical Indices of Remodeling in Uterine Arteries during Ovine Gestation Manifest during Early Pregnancy. 43rd Annual Meeting for the Society for the Study of Reproduction. (Poster Presented). [FASEB Minority Travel Award].*
325. *Pastore, M.B., Ramadoss, J., Liao, W.X., Chen, D.B., and Magness, R.R. 2010. Estradiol-17 β -induced Temporal and Spatial partitioning of eNOS and Estrogen Receptors in Ovine Uterine Artery Endothelial Cells from Pregnant Sheep. 43rd Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).*
326. *Sun, M., Habeck, J.M., Koch, J.M., Meyer, K.M., Magness, R.R., and Kling, P.J. 2010. Placental Transferrin Receptor Expression with Uterine Space Restriction in Ovine Pregnancy. 43rd Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).*
327. *Jobe, S.O., Ramadoss, J., Zheng, J., and Magness, R.R. 2011. Role of ER- α versus ER- β in Estradiol-17 β & CYP450- & COMT-Derived Metabolites-Stimulated COX-1- & PGI₂ Synthase-Mediated PGI₂ Production in Uterine Artery Endothelial Cells. 58th Annual Meeting of the Society for*

Gynecologic Investigation. (Oral Presented) SGI Pfizer President's Grant Award and Best New Investigator Poster Presentation.

328. Jobe, S.O., J. Ramadoss, Y. Jiang, J. Zheng, and R.R. Magness. 2011. Uterine Artery Endothelial Cell (UAEC) β -Adrenergic System Modulates Pregnancy-Specific Catecholestradiol-Mediated Proliferation: Interactions of Catecholamines, β -Adrenergic Receptors, cAMP & MAPKs. 58th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented) [*SGI President's Poster Award*].
329. Sun, M.Y., Habeck, J.M., Koch, J.M., Meyer, K.M., Magness, R.R., and Kling, P.J. 2011. Uterine Space Restriction Altered Placental Transferrin Receptor (TfR) Expression: Interplay Between Fetal Iron and the eNOS Pathway. 58th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented) Awarded Poster Award of the UW-Madison IGP for Nutritional Sciences.
330. Morschauser, T.J., Ramadoss, J., Liao, W.X., Chen, D.B., Bird, I.M., and Magness, R.R. 2011. Effects of Pregnancy on Uterine Artery Connexins: A Study of Domain Specific Partitioning. 58th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
331. Yi, F.X., Magness, R.R., and Bird, I.M. 2011. TNF- α exposure during pregnancy inhibits ATP-induced $[Ca^{2+}]_i$ and NO production in uterine artery endothelial cells by producing ROS that mediates mitochondrial damage. 58th Annual Meeting of the Society for Gynecologic Investigation. (Presented -Poster).
332. Boeldt, D.S., Grummer, M.A., Magness, R.R., Yi, F.X., and Bird, I.M. 2011. Pregnancy Enhancement of Endothelial Cell Function is Blocked by VEGF-165 Pretreatment in a Manner Reversible by the MED/ERK Inhibitor U0126 in Uterine Artery (UA) Endothelial Cells. 58th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
333. Ramadoss, J., Jobe, S.O., Robin, R.M., Ingalls, B.W., and Magness, R.R. 2011. Effects of Chronic Binge-Like Alcohol on the Maternal Pregnant Uterine Artery Endothelial Adrenergic Receptor (Ar) System. Reproductive Sciences. 58th Annual Meeting of the Society for Gynecologic Investigation. (Poster Presented).
334. Magness, R.R., Bernstein, I., and Zamadio, S. 2011. Effects of High Attitude and Ancestry on Uterine Artery (UA) Shear Stress and Blood Pressure in Normal pregnancy vs. Preeclamptic Women. American Society of Hypertension, Inc. 26th Annual Scientific Meeting, New York. (Poster Presented).
335. Feng, L., Wang, W., Zhang, H., Zheng, J., Magness, R.R., and Chen, D.B. 2011. Compartmentalizing Proximal FGFR1 Signaling in Placental Artery Endothelial Cell Caveolae. 44th Annual Meeting for the Society for the Study of Reproduction. (Poster Accepted). Awarded the USDA National Institute of Food and Agriculture NRI Merit Award.
336. Pastore, M., Hofeld, B., Chen, D.B., and Magness, R.R. 2011. Structural Base Analysis for Estrogen Receptor Alpha vs. Beta Interaction with Cav-1 of Uterine Endothelial Cells-derived from Late Pregnant Ewes. 44th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
337. Jobe, S.O., Ramadoss, J., Wargin, J., and Magness, R.R. 2011. The Prostacyclin-Thromboxane Balance: Role of ER- α versus ER- β & its CYP450- & COMT-Derived Metabolites-Stimulated

Prostacyclin and Thromboxane Production in the Uterine Artery Endothelial Cells. 44th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).

338. *Fling, S.N., Jobe, S.O., Ramadoss, J., and Magness, R.R.* 2011. A Novel Role for the Endothelial Adrenergic Receptor System in Catecholestradiols-and Catecholamines-Induced Proliferation of Uterine Artery Endothelial Cells in Pregnancy. 44th Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
339. *Henao, D.A., Hills, B., Koch, J.M., Austin, J.L., and Magness, R.R.* 2011. Uterine Artery Protein, DNA, RNA and Volumetric Compliance during Early and Late Ovine Pregnancy. 44th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
340. *Ramadoss, J., Lopez, G.E., Jobe, S.O., and Magness, R.R.* 2011. Interactive Effects of Chronic Binge-like Alcohol and Shear Stress on Pregnant Uterine Endothelial NO System and its Associated Signaling Cascades. 44th Annual Meeting for the Society for the Study of Reproduction. (Oral Presented).
341. *Sun, M.Y., Meyer, K., Koch, J.M., Magness, R.R., and Kling, P.J.* 2011. Effects of Uterine Space Restriction (USR) on Ovine Fetal Renal Iron, Nephrogenesis and eNOS. Developmental Origins of Health 7 Disease 7th World Congress. (Oral Presented).
342. *Sun, M.Y., Habeck, J.M., Koch, J.M., Meyer, K., Magness, R.R., and Kling, P.J.* 2011. Ovine Uterine Space Restriction Altered Placental Transferrin Receptor (TfR) Expression: Interplay between Fetal Iron and the eNOS Pathway. Developmental Origins of Health 7 Disease 7th World Congress. (Poster Presented).
343. *Magness, R.R., Meyer, K.M., Sun, M.Y., Ramadoss, J., and Kling, P.J.* 2011. Development of an Ovine Surgical Model of Uterine Space Restriction: Uterine Anomalies and Multi-Fetal Gestations on Placental Growth and Uterine Vascular Adaptations. Developmental Origins of Health 7 Disease 7th World Congress. (Poster Presented).
344. *Sun, M.Y., Meyer, K.M., Koch, J.M., Magness, R.R., and Kling, P.J.* 2011. Regulation of Ovine Fetal Renal Iron, Nephrogenesis and eNOS in Uterine Space Restriction (USR). Midwest Society for Pediatric Research 52nd Annual Scientific Meeting. (Oral Presented).
345. *Pastore, M.B., Hofeld, B.C., Chen, D.B., and Magness, R.R.* 2011. Structural Base Analysis for Estrogen Receptors Alphav. Beta interaction with CAV-1 of Uterine Endothelial Cells from Late Pregnant Ewe. Midwest Society for Pediatric Research 52nd Annual Scientific Meeting. (Poster Presented).
346. *Morrison, O.R., Jobe, S.O., and Magness, R.R.* 2011. Modulation of Uterine Artery Endothelial Cell Proliferation during Pregnancy via Endogenously Produced Catecholamines. Annual Biomedical Research Conference for Minority Students (ABRCMS). (Presented-Poster Award).
347. *Felder, D., Jobe, S.O., and Magness, R.R.* 2011. Identification of ER- α /ER- β Mediated Activation State of eNOS in Ovine Uterine Artery Endothelial Cells from Pregnant Sheep. Annual Biomedical Research Conference for Minority Students (ABRCMS). (Presented-Poster Award).
348. *Lechuga, T.J., Wang, W., Magness, R.R., and Chen, D.B.* 2012. Estrogen Stimulates Hydrogen Sulfide Biosynthesis in Uterine Artery Endothelial Cells. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Oral Presented).

349. Magness, R.R., Austin, J.L., Phernetton, T.M., Meyer, K.M., Sun, M.Y., Koch, J.M., Ramadoss, J., and Kling, P.J. 2012. Uterine and Placental Adaptations and the Maintenance of Oxygen Consumption during Uterine Space Restriction. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Poster Presented).
350. Boeldt, D.S., Grummer, M.A., Magness, R.R., Yi, F.X., and Bird, I.M. 2012. Blocking Gap Junction Phosphorylation in Uterine Artery Endothelium as a Potential Therapy for Preeclampsia. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Oral Presented).
351. Li, H., Zhao, Y., Li, Y., Dai, C., Jobe, S.O., Magness, R.R., and Zheng, J. 2012. Estradiol-17 β and its Metabolites Attenuate L-Ascorbic Acid -Suppressed Human Ovarian Cancer Cell Growth. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Oral Presented).
352. Jobe, S.O., Tyler, C.T., and Magness, R.R. 2012. Quantitative Study of Plasma Profiles of Estrogens and Estrogen Metabolites in Normotensive Pregnancy, Mild Preeclampsia and Severe Preeclampsia by Liquid Chromatography-Tandem Mass Spectrometry. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Poster Presented).
353. Jobe, S.O., Morrison, O.R., and Magness, R.R. 2012. Catecholamine-Induced Proliferation of Uterine Artery Endothelial Cells is Mediated in Part via *De Novo* Uterine Endothelial Synthesis of Catecholamines. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Presented Poster).
354. Ramadoss, J., and Magness, R.R. 2012. Quantitative label-based uterine endothelial protein profile for chronic binge-like alcohol exposure. Society for Gynecologic Investigation 59th Annual Scientific Meeting. (Presented-Oral).
355. Cretney, E.J., Luther, J.S., Berg, M.A., Burgett, R.L., and Magness, R.R. 2012. Effects of Maternal Dietary Energy Source during Mid- to late- Gestation on Fetal organ and Adipose Tissue Growth in Sheep. ASAS Midwest Section Meeting, Des Moines, Iowa. (Oral Presentation Undergraduate Competition).
356. Magness, R.R., Bernstein, I.M., and Zamudio, S. 2012. Changes in Uterine Artery Shear Stress and Blood Pressure in Normal Pregnant vs. Preeclamptic Women: Effects of High Altitude and Ancestry. 7th International Biofluid Mechanics Symposium, Dead Sea, Israel March 25-30, 2012. (Poster Presented).
357. Sun, M.Y., Wooley, J.C., Drake, K.A., Siddappa, A.M., Georgieff, M.K., Magness, R.R., and Kling, P.J. 2012. Renal adaptation in gestational iron deficiency. Exp Biol. San Diego, CA 4/21-25, 2012. (Poster Presented).
358. Ramadoss, J., and Magness, R.R. 2012. Quantitative high throughput digital mRNA & itraq-label based proteomic uteroplacental analyses for maternal alcohol consumption during pregnancy. Research Society on Alcoholism, San Francisco, CA 2012 (Oral Presented).
359. Sun, M.Y., Meyer, K., Koch, J.M., Magness, R.R., and Kling, P.J. 2012. Effects of Uterine Space Restriction (USR) on Ovine Fetal Renal Iron, Nephrogenesis and eNOS. 14th Annual IGPNS Poster Session 2012, Madison, WI. Human Emphasis Group. Awarded 1st Place.

360. *Ampey, B.C., Schuler, E.J., Jobe, S.O., Thoresen, D.T., Lopez, G.E., Bird, I.M., Magness, R.R.* 2012. Shear Stress, cAMP, and cGMP Modulate the Pregnancy-Related Phosphorylation State of Cx43-Gap Junction and eNOS Proteins in Uterine Artery Endothelial Cells. 45th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
361. *Pastore, M.B., Hofeld, B.C., Ramadoss, J., Magness, R.R.* 2012. Analysis of Estrogen Receptors Alpha vs. Beta in the Uterine Endothelial Cell Plasma Membrane and their Interaction with Cav-1 for eNOS Activation. 45th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
362. *Ramadoss, J., and Magness, R.R.* 2012. Quantitative high throughput digital mRNA & itraq-label based proteomic uteroplacental analyses for maternal alcohol consumption during pregnancy. Texas Research Society on Alcoholism (TRSA), Bryan, TX. (Non-published Abstract-Oral presentation).
363. *Rhea, K.C., Ampey, B.C., and Magness, R.R.* 2012. cAMP and cGMP Alter Phosphorylation State of Connexin-43 and Endothelial Nitric Oxide Synthase Proteins in Uterine Artery Endothelial Cells Derived from Pregnant Sheep. Annual Biomedical Research Conference for Minority Students (ABRCMS) San Jose, CA. (Poster Presented).
364. *Felder, D.A., Pastore, M.B., Magness, R.R.* 2012. Estradiol-17 β and Estradiol-BSA are Responsible for Activation state of eNOS in Ovine Uterine Artery Endothelial Cells from Pregnant Sheep. Annual Biomedical Research Conference for Minority Students (ABRCMS). (Poster Presented).
365. *Jobe, S.O., Austin, J.L., Lopez, G.E., and Magness, R.R.* 2013. Uterine Space Restriction-Induced Placental Inefficiency Leads to Alterations in the Biosynthesis and Metabolism of Estrogens and Estrogen Metabolites. Society for Gynecologic Investigation 60th Annual Scientific Meeting. (Poster Presented).
366. *Lechuga, T.J., Magness, R.R., Chen, D.B.* 2013. Role of estrogen receptors in hydrogen sulfide biosynthesis in uterine artery endothelial cells. Society for Gynecologic Investigation 60th Annual Scientific Meeting. (Poster Presented).
367. *Villalon Landeros, R., Jobe, S.O., Zheng, J., Magness, R.R.* 2013. 4-Methoxyestradiol Induces Proliferation of Uterine Artery Endothelial Cells Occurs via Activation of p38, p42/44 and JNK MAPKs and Independent of Estrogen and Adrenergic Receptors. Society for Gynecologic Investigation 60th Annual Scientific Meeting. (Poster Presented).
368. *Naik, V.D., Subramanian, K., Liao, W.X., Lopez, G.E., Chen, D.B., Magness, R.R., Ramadoss, J.* 2013 Effects of Chronic Binge-like Alcohol on Uterine Artery Whole and Subcellular Endothelial Nitric Oxide System. Society for Gynecologic Investigation 60th Annual Scientific Meeting. (Oral Presented).
369. *Alvarez, R., Yi, F.X., Pattnaik, B., Magness, R.R., and Bird, I.M.* 2013. The Role of Agonist-Induced Hyperpolarization in Enhanced Ca²⁺ Signaling in P-UAEC. Society for Gynecologic Investigation 60th Annual Scientific Meeting. (Oral Presented).
370. *Felder, D.A., Pastore, M.B., Magness, R.R.* 2013. Estradiol-17 β and Estradiol-BSA are Responsible for Activation state of eNOS in Ovine Uterine Artery Endothelial Cells from Pregnant Sheep. Award Winning Poster Presentation Research Day at Spelman University, Atlanta, GA, April 30, 2013.

371. Magness, R.R., Austin, J.L., Lopez, G.E., Phernetton, T.M., *Ramadoss, J., Sun, M.Y.*, and Kling, P.J. 2013. Endothelial Mechanisms Controlling Uterine Blood Flow during Pregnancy may underlie the Developmental Origins of Adult Onset. American Society for Hypertension (ASH), San Francisco, CA, May 15-18, 2013. (Poster Presented).
372. Weems, C.W., Weems, Y.S., and Magness, R.R. 2013. Effect of an essential fatty acid (EFA) deficient diet on luteal and uterine function in pseudopregnant (PSP) rats and prostaglandins (PG) E1, E2, and F2a (PGF2a; PGE1; PGE2) in nonpregnant (NP) and pregnant (P) ewes. American Association of Animal Science (Oral Presented).
373. *Zhang, H., Lechuga, T. J., Feng, L.,* Magness, R.R., Chen, D.B. 2013. Endogenous Hydrogen Sulfide Production Mediates Estrogen-Induced eNOS Activation in Uterine Artery Endothelial Cells. 46th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
374. *Villalon Landeros. R., Jobe, S.O., Pastore, M.B.,* and Magness, R.R. 2013. Ovine Uterine Artery Endothelial Cell ER- α , ER- β , and GPR30 Expression during the Luteal Phase, Follicular Phase, and Pregnancy. 46th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
375. *Pastore, M.B.,* and Magness, R.R. 2013. Analysis of Estrogen Receptors, ER- α and ER- β , in Uterine Endothelial Cell Plasma Membrane and their Interaction with eNOS Phosphorylation State. 46th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
376. *Ampey B.C., Nguyen, A.B.L,* Lopez, G.E., Bird, I.M., and Magness, R.R. 2013. ATP Stimulation of Endogenous cAMP and cGMP in Relation to the Phosphorylation of Cx43 and eNOS in Uterine Artery Endothelial Cells during Pregnancy. 46th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
377. *Pastore, M.B., Talwar, S., Villalon-Landeros, R.,* and Magness, R.R. 2013. Post-translational regulation of eNOS via estrogen receptors- α / β and GPER in uterine artery endothelial cell. SACNAS (Society for the Advancement of Hispanics/Chicanos and Native Americans in Science) National Conference, San Antonio, TX. (Oral Presented).
378. *Meyer-Gesch, K.M., Sun, M.Y., Blohowiak, S.E.,* Magness, R.R., Kling, P.J. 2013. Ovine Fetal Renal Development Impacted by Multiple Fetuses and Uterine Space Restriction. Perinatal Biology Symposium, Snowmass, CO. (Poster Presented).
379. Magness, R.R., *Morschauser, T.J., Ramadoss, J., Yi, F.X., Lopez, G. E., and, Bird, I.M.* 2013. Local Effects of Pregnancy on Connexin 37 and 43 Protein Expression in Ovine Uterine Artery Endothelium Mediate Ca^{2+} -Associated Endothelial Nitric Oxide Synthase Activation. Developmental Origins of Health and Disease 8th World Congress Singapore. (Poster Presented).
380. *Hankes, A., Boeldt, D., Grummer, M., Yi, F.X.,* Magness, R.R., and Bird, I.M. 2014. CLA as a Src inhibitor: an innovative approach to rescue endothelial function in preeclampsia. Society for Maternal-Fetal Medicine 34th Annual Meeting. (Poster Presented).
381. *Boeldt, D., Grummer, M., Yi, F.X., Shahzad, M.,* Magness, R.R., Patankar, M., and Bird, I.M. 2014. 10:12 CLA as an endothelial rescue agent: a novel dietary approach to preeclampsia therapy Society for Maternal-Fetal Medicine 34th Annual Meeting. (Poster Presented).

382. *Alvarez, R., Boeldt, D., Pattnaik, B., Magness, R.R., and Bird, I.M.* 2014. Pregnancy-enhanced changes in membrane potential are not driven by pregnancy-enhanced Ca²⁺ signaling in uterine artery endothelial cells (UAEC). Society for Maternal-Fetal Medicine 34th Annual Meeting. (Poster Presented).
383. *Ampey, B.C., Lopez, G. E., Bird, I.M., Magness, R.R.* 2014. Phosphodiesterase Inhibitors Specific for cAMP and cGMP Differentially Modulate Stimulatory Phosphorylation state of Cx43 and eNOS in Uterine Artery Endothelial Cells during Gestation. Society for Gynecologic Investigation 61st Annual Scientific Meeting, Florence, Italy (Poster Presented).
384. *Chen, D.B., Lechuga, T.J., and Magness, R.R.* 2014. Hydrogen Sulfide Biosynthesis is Highly Unregulated during the Follicular Phase and Late Pregnancy in Ovine Uterine Artery. Society for Gynecologic Investigation 61st Annual Scientific Meeting Florence, Italy (Poster Presented).
385. *Ampey B.C., Lopez, G.E., Bird, I.M., and Magness, R.R.* 2014. Cyclic Nucleotide Inhibition Diminishes the Phosphorylation and Expression of Cx43 and eNOS in Uterine Artery Endothelial Cells from Pregnant Sheep 47th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
386. *Villalon Landeros. R., Jobe, S.O., Lopez, G.E., Zheng, J., and Magness, R.R.* 2014. The O-Methylated Metabolites of Catecholestrogens and Catecholamines both Induce Angiogenic Responses in Uterine Artery Endothelial Cells from Pregnant Sheep. 47th Annual Meeting for the Society for the Study of Reproduction. (Poster Presented).
387. *Magness R.R., Austin, J.L., Phernetton, T.M., Meyer, K.M., Sun, M.Y., Koch, J.M., Ramadoss, J., Kling, P.J.* 2014. Uterine Space Restriction-induced Placental Insufficiency Leads to Local Adaptations in Order to Maintain Fetal Growth and Oxygen Consumption. 9th International Ruminant Reproduction Symposium, Obihiro Hokkaido Japan (Poster Presented).
388. *Vargas, V.E. (advisor Magness, R.R.).* 2014. Leptin and Adiponectin Regulation of Placental and Uterine Vascular Function During Gestation. Junior Investigator Invited Career Path Speaker. Perinatal Research Society Annual Scientific Meeting, Monterey Calif. (Oral Presented).
389. *Pastore, M., Conley, M., and Magness, R.R.* 2014 Activation of eNOS Phosphorylation State and NO Production via ERA and ERB in Uterine Artery Endothelial Cells. 2014 SACNAS National Conference. (Poster Presented).
390. *Kranch, R.A., Lopez, G.E., Magness, R.R., Blohowiak, S.E., Kling, P.J.* 2014. Ovine Space Restriction Dysregulates the Renin Angiotensin System in Fetal Kidneys. The Midwest Society for Pediatric Research Annual Meeting. (Oral Presented).
391. *Zywicki, M.E., Blohowiak, S.E., Magness, R.R., Kling, P.J.* 2014. Increasing Fetal Ovine Number per Gestation Alters Fetal Blood Chemistry. The Midwest Society for Pediatric Research Annual Meeting. (Oral Presented). **Best Paper Oral Presentation Award.**
392. *Villalon Landeros. R., Jobe, S.O., Lopez, G.E., Zheng, J., and Magness, R.R.* 2014. 4-Methoxyestradiol Induced Proliferation of Uterine Artery Endothelial Cells Occurs via Activation of p38, p42/44 and JNK MAPKs and Independent of Estrogen and Adrenergic Receptors. 6th Great Lakes Nuclear Receptor Conference, Madison, WI. (Poster Presented).

393. *Ampey, B.C., Bird, I.M., and Magness, R.R. 2014. Cx43 Phosphorylation and the Functionality of Cx43 Gap Junctions are Moderated by Cyclic Nucleotide Activity in UAECs and HUVECs. International Society for the Study of Hypertension in Pregnancy (ISSHP), New Orleans, LA (Poster Presented).*
394. *Alvarez, R., Magness, R.R., and Bird, I.M. 2015. The Role of Ca²⁺ Activated Potassium (KCa) Channels in Enhanced Ca²⁺ Signaling in Uterine Artery Endothelial Cells (UAEC). Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco Calif. (Oral Presented).*
395. *Ampey, B.C., Hanks, A.C., Bird, I.M., and Magness, R.R. 2015. Cyclic Nucleotide Regulation of Uterine Artery Endothelial Interstitial Calcium Signaling through Changes in Cx43 Gap Junctions in Pregnancy. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco Calif. (Poster Presented).*
396. *Hanks, A.C., Boeldt, D.S., Grummer, M.A., Magness, R.R., and Bird, I.M. 2015. ECIS Monitoring Reveals TNF α and VEGF Differentially Control Sustained Loss of Endothelial Monolayer Integrity of P-UAEC. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco CA. (Poster Presented).*
397. *Pastore, M., Conley, M., and Magness, R.R. 2015. Estrogen Receptors (ER- α /ER- β) Regulatory Mechanisms for Nitric Oxide Production in Uterine Artery Endothelial Cells during Pregnancy. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco, CA. (Poster Presented).*
398. *Vargas, V.E., Lopez, G.E., and Magness, R.R. 2015. Ex Vivo OB-Rb Leptin Receptor Expression in Uterine, Systemic Omental and Renal Arteries during the Follicular Phase of the Ovarian Cycle and Late Pregnancy in Sheep. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco Calif. (Poster Presented).*
399. *Villalon Landeros, R., Jobe, S.O., Zheng, J., and Magness, R.R. 2015. 4-Methoxyestradiol Induces Proliferation through a G α i Protein Coupled Receptor-Dependent Mechanism in Uterine Artery Endothelial Cells Derived from Pregnant Ewes. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco Calif. (Oral Presented).*
400. *Zhou, C., Li, Y., Magness, R.R., and Zheng, J. 2015. Altered Transcriptional Regulation of CYP1A1 and AhR in Human Placentas from Preterm Birth. Society for Reproductive Investigation 62nd Annual Scientific Meeting, San Francisco, CA. (Poster Presented).*
401. *Vargas, V.E., Villalon-Landeros, R., Lopez, G.E., Zheng, J., and Magness, R.R. 2015. Ex Vivo OB-Rb Leptin Receptor Expression in Uterine Arteries during the Luteal and Follicular Phases of the Ovarian Cycle and Late Pregnancy: Role of Leptin-induced Angiogenic Responses in Sheep Uterine Artery Endothelial Cells. 48th Annual Meeting for the Society for the Study of Reproduction. FASEB MARC Burrough Wellcome Awardee. (Poster Presented).*
402. *Korlesky, C., Blohowiak, S.E., Magness, R.R., and Kling, P.J. 2015. Bioimpedance to Measure Fetal Body Composition in an Ovine Uterine Space Restriction Model. Midwest Society for Pediatric Research. (Poster Presented).*
403. *Bauer, A.S., Kranch, R.K., Blohowiak, S.E., Segar, J.L., Magness, R.R., and Kling, P.J. 2016. Uterine Space Restriction in Fetal Sheep is Associated with Dysregulated Renin Angiotensin System. Pediatric Academic Society Annual Meeting. (Oral Presented).*

404. *Villalon Landeros, R., Pastore, M.B., Ellis, C. A., Lopez, G.E., and Magness, R.R.* 2016. Catecholestradiols and Metoxyestradiols Stimulate Pregnancy Specific Nitric Oxide Production in Uterine Artery Endothelial Cells. Society for Reproductive Investigation 63rd Annual Meeting, Montreal Canada. (Poster Presented).
405. *Vargas V.E., Villalon Landeros, R., Lopez, G.E., Zheng, J., Magness, R.R.* 2016. Globular Adiponectin and Leptin Differentially Modulate Proliferative Responses in Uterine Artery Endothelial Cells from Nonpregnant and Pregnant Sheep. Society for Reproductive Investigation, 63rd Annual Meeting, Montreal Canada. (Presented Oral).
406. *Zhou, C., Wang, R., Zou, Q., Magness, R.R., and Zheng, J.* 2016. Identification of a Novel Association between miR-29a/c and Preeclampsia in Human Fetal Endothelial Cells. Society for Reproductive Investigation 63rd Annual Scientific Meeting, Montreal, Canada. (Poster Presented).
407. *Villalon Landeros R., Zheng, J., and Magness, R.R.* Programming of Endothelial Cells in Uterine Arteries of Unilateral Pregnant Sheep. SACNAS Annual Meeting, Long Beach, CA. October 13-15, 2016. (Oral presentation, Accepted, applied SACNAS Student Travel Award) Awarded Best Oral Presentation Award.
408. *Aranda-Pino, G., Villalon Landeros, R., Jobe, S.O., and Magness, R.R.* Activation of Mitogen-Activated Protein Kinases Facilitating Catecholesterol-Induced Uterine Artery Endothelial Cell Proliferation. SACNAS Annual Meeting, Long Beach, CA. October 13-15, 2016 (Poster Presented, awarded a SACNAS Student Travel Award).
409. *Villalon Landeros, R., Zheng, J., and Magness, R.R.* Programming of Endothelial Cells from Uterine Arteries Ipsilateral and Contralateral to the Gravid Uterine horn of Pregnant Sheep. SSR Annual Meeting, San Diego, CA. July 16-20, 2016. (Poster Presentation awarded the Burrough Welcome Award and USDA–NIFA–AFRI Merit Award; latter declined).
410. *Villalon Landeros, R., Zheng, J., and Magness, R. R.* Programming of Endothelial Cells from Uterine Arteries Ipsilateral and Contralateral to the Gravid Uterine horn of Pregnant Sheep. ERP Annual Program Symposium. Madison, WI. June 16, 2016. (Oral Presentation).
411. *Vargas, V.E., Villalon Landeros, R., Lopez, G.E., Zheng, J., and Magness, R.R.* 2016. Leptin receptor expression during the ovine ovarian cycle and late pregnancy: role of leptin and adiponectin on uterine artery endothelial cells angiogenic responses. Aspen/Snowmass Perinatal Biology Conference (NIH Travel Award Recipient); (Poster Presented).
412. *Vargas, V.E., Villalon Landeros, R., Lopez, G.E., Zheng, J., and Magness, R.R.* 2016. Leptin Receptors during the Ovarian Cycle and Pregnancy: Angiogenesis in Uterine Artery Endothelial Cells. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Presented Oral).
413. *Vargas, V.E., Okuka, M., Villalon Landeros, R., Lopez, G.E., Zheng, J., and Magness, R.R.* 2016. Mitogen-Activated Protein Kinases Mediate Leptin-Induced Proliferation of Ovine Uterine Artery Endothelial Cells During the Follicular phase of the Ovarian Cycle and Late Pregnancy in Sheep. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Presented Poster).

414. *Ampey, B.C., Hankes, A.C., Bird, I.M., and Magness, R.R. 2016. cAMP Rescues the Negative Regulatory Effects of TNF- α on Endothelial Cx43 Gap Junction Function and Protects Cell Permeability. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Presented Poster).*
415. *Zhou, C., Zou, Q-Y., Liu, A-X., Wang, R-F., Magness, R.R. Preeclampsia downregulates microRNAs in Fetal Endothelial Cells: Roles of miR-29a/c-3p in Endothelial Function. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Presented Poster).*
416. *Villalon Landeros, R., Zhou, C., Zheng, J., and Magness, R.R. 2016. Role of Estrogen and Its Metabolites in Uterine Artery Endothelial Cells Migration from a Model of Unilateral Pregnant Sheep. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Pfizer-SRI President's Presenter's Award Recipient); (Presented Oral).*
417. *Watanabe, K., Villalon Landeros, R., Magness, R.R. 2017. Adrenergic Receptor-Mediated Prostacyclin Production Stimulated by Estradiol-17 β and Catecholestradiols in Ovine Uterine Artery Endothelial Cells. Society for Reproductive Investigation 64th Annual Meeting, 2017, Orlando, FL. (Presented Poster).*
418. *Corrado, P., Macdonald, J., Nguyen, S., Johnson, K., Francois, C., Magness, R.R., Reeder, S., Bird, I., Shah, D., Golos, T., Wieben, O. 2016. Feasibility of 4D Flow Imaging of Uterine Blood Flow in the Pregnant Rhesus Macaque. International Society for Magnetic resonance in Medicine 25th Annual Meeting, (ISMRM), 2017, Honolulu, HI, USA. (Presented Oral).*
419. *Corrado, P., Macdonald, J., Nguyen, S., Zhu, A., Johnson, K., Francois, C., Magness, R.R., Reeder, S., Bird, I., Shah, D., Golos, T., Wieben, O. 2016. Longitudinal Measures of Placental Volume and Uteroplacental Blood Flow in the Rhesus Macaque. International Society for Magnetic resonance in Medicine 25th Annual Meeting, (ISMRM), 2017, Honolulu, HI, USA. (Presented Oral).*
420. *Vargas, V.E., Okuka, M., and Magness, R.R. 2016. Resistin-induced Proliferative Responses in Ovine Uterine Artery Endothelial Cells during the Luteal and Follicular Phases of the Ovarian Cycle and Late Pregnancy. The Society for the Study of Reproduction 50th Annual Meeting, 2017, Washington, DC. (Presented Oral).*
421. *Zhou, C., Zou, Q-Y., Magness, R.R., *Zheng, J.* 2017. Preeclampsia Dysregulates Genes Associated with Cellular Responses to Cytokine/Chemokine Stimulus in Male Fetal Endothelial Cells. The Society for the Study of Reproduction 50th Annual Meeting, 2017, Washington, DC. (Presented Poster).*
422. *Magness, R.R., Jobe, S.O. 2017. Aberrant estrogen metabolism in preeclampsia may cause dysregulation of angiogenesis-mediated uterine blood flow via a novel uterine endothelial sympathomimetic system. DOHaD 2017 Rotterdam- International Society for Developmental Origins of Health and Disease. Rotterdam, Netherlands. (Accepted/Oral).*

423. Magness, R.R. 2017. Mechanisms Controlling Endothelial Adaptations Modulating of Uteroplacental Blood Flows during Gestation May Underlie Developmental Origins of Health and Disease (DoHAD). Barron Lecture, University of Florida, Gainesville. (Presented Oral).
424. Magness, R.R. 2017. Steroid Control of Blood Vessel Function: Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan. (Presented Oral).
425. Magness, R.R. 2017. Estrogen regulation of uterine hemodynamics. Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan. (Presented Oral).
426. Magness, R.R. 2017. Steroid hormones and regulation of systemic vascular resistance. Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan. (Presented Oral).
427. Jobe, S.O., Magness, R. R. 2017. Sympathomimetic Receptors on Uterine Artery Endothelium. (Host) No Name Society Meeting, Tampa, FL. (Presented Oral).
428. Magness, R.R. 2017. Agriculturally Important Research Animal Models in Pregnancy: Implications for Developmental Origins of Health and Disease. Zhongkai University of Agriculture and Engineering, Guangzhou, Guangdong, China. (Presented Oral).
429. Magness, R.R. 2017. Mechanisms Controlling Uterine and Placental Blood Flows during Pregnancy. Fourth Pearl River Perinatology Summit Forum, Guangzhou, Asia, China. (Presented Oral).
430. Vargas, V.E., Okuka, M., and Magness, R.R. 2018. Phosphoinositide-3-Kinase(PI3K) Mediate Leptin-Induced Proliferation of Ovine Uterine Artery Endothelial Cells (UAECs) during the Ovine Follicular Phase and Late Pregnancy. Society for Reproductive Investigation's 65th Annual Scientific Meeting, 2018, San Diego, CA. (Presented Poster).
431. Zhou, C., Qin, Y., Zou, Q-Y., Tyler, C., Zhong, X-Q., Magness, R.R., Bird, I.M., and Zheng, J. 2018. Sexual Dimorphism of Preeclampsia-Dysregulated Transcriptomic Profiles and Endothelial Function in Fetal Endothelial Cells. Society for the Study of Reproduction, 2018, New Orleans, LA. (Presented Poster).
432. Pastore, M.B., Chen, D.B., and Magness, R.R. 2019. Estradiol-17 β -Induced Temporal and Spatial Uterine Endothelial Caveolar Partitioning of Phosphorylated eNOS. USF Health Research Day, 22 February 2019. (Presented Poster)
433. Kirimlioglu-Konuk, E., Okuka, M., Lockwood, C.J., Kayisli, U.A., Magness, R.R. 2019. Uterine and Placental β 2 Adrenergic Receptor (β 2AR) Distribution during the Ovarian Cycle and Pregnancy. USF Health Research Day, 22 February 2019. (Presented Poster)
434. Kirimlioglu-Konuk, E., Okuka, M., Lockwood, C.J., Kayisli, U.A., Magness, R.R. Uterine Progesterone Receptor Distribution during the Ovarian Cycle and at the Maternal-fetal Interface. USF Health Research Day, 22 February 2019. (Presented Poster)

435. Qi, Q-R., Lechuga, T.J., Nguyen, N.A., Sarnthiyaku, S., Magness, R.R., Chen, D.B. 2019. Enhanced Stromal H2S Production via Selective CBS Upregulation Stimulates Endometrial Angiogenesis during the in Proliferative Phase and Pregnancy in Women. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
436. Zhou, C., Qin, Y., Chang, X.W., Magness, R.R., Bird, I.M., and Zheng, J. 2019. Preeclampsia Differentially Dysregulates Transcriptomic Profiles and Function in Female and Male Feto-placental Endothelial Cells. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
437. Louis-Jacques, A., Bansal, A., Magness, R.R., Lockwood, C.J., and Groer, M.W. 2019. Lactation and Association with Maternal DNA Methylation. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
438. Sprague, R.G., Kim, J.W., Kirimlioglu-Konuk, E., Imudia, A.N., Lockwood, C.J., Magness, R.R., and Kayisli, U.A. 2019. β 2 Adrenergic Receptor Expression in Human Endometrial Stromal Cells Potentially Mediates Catecholestradiol-induced Proliferation: Implications for Endometriosis. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
439. Pastore, M.B., Chen, D.B., and Magness, R.R. 2019. Estradiol-17 β -Induced Temporal and Spatial Uterine Endothelial Caveolar Partitioning of Phosphorylated eNOS. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Oral)
440. Kirimlioglu-Konuk, E., Okuka, M., Lockwood, C.J., Kayisli, U.A., Magness, R.R. 2019. Uterine and Placental β 2 Adrenergic Receptor (β 2AR) Distribution during the Ovarian Cycle and Pregnancy. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
441. Kirimlioglu-Konuk, E., Okuka, M., Lockwood, C.J., Kayisli, U.A., Magness, R.R. 2019. Uterine Progesterone Receptor Distribution during the Ovarian Cycle and at the Maternal-fetal Interface. Society for Reproductive Investigation's 66th Annual Scientific Meeting, Paris, France. 12-16, March 2019. (Presented Poster)
442. Zhou, C., Qin, Y., Chang, X-W., Magness, R.R., Bird, I.M., and Zheng, J. 2019. Preeclampsia differentially dysregulates female and male fetal endothelial function: roles of miR29a/c. Society for the Study of Reproduction, 2019, San Jose, CA. (Submitted 21, Feb 2019).
443. Pastore, M.B., Chen, D.B., Okuka, M., and Magness, R.R. 2019. Estrogen Receptor-eNOS Phosphorylation Partitioning: Spatiotemporal Interactions within Uterine Artery Endothelial Caveolae. Society for the Study of Reproduction, 2019, San Jose, CA. (Accepted; Submitted 22, Feb 2019).

INVITED TALKS:

1. North Dakota State University - Department of Animal & Range Sciences, Fargo, ND, October 1987.
2. Yale University School of Medicine - Department of Obstetrics/Gynecology, New Haven, CT, July 1988.
3. Loma Linda University - Division of Perinatal Biology, (Grand Rounds and a Basic Science Talk), Loma Linda, CA, July 1989.
4. Oregon Health Sciences University - Department of Obstetrics/Gynecology (Grand Rounds) and Department of Physiology (Basic Science Talk), Portland, OR, June 1989.
5. Universitaire Ziekenhuizen Gasthuisberg - Department of Obstetrics/Gynecology (Grand Rounds and a Basic Science Talk), Leuven, Belgium, August 1989.
6. University of Nottingham - Department of Obstetrics/Gynecology, (Grand Rounds), Nottingham, England, August 1989.
7. University of Edinburgh Centre for Reproductive Biology - Department of Obstetrics/Gynecology (Grand Rounds), Little France Cres, Edinburgh, August 1989.
8. International Symposium on Cardiovascular and Neurological Function and Ovarian Secretions. Dubrovnik, Yugoslavia, August 1989.
9. University of Iowa School of Medicine - Department of Obstetrics/Gynecology and Pediatrics, Iowa City, IA, June 1990.
10. Yale University School of Medicine - Department of Obstetrics/Gynecology, New Haven, CT, July 1990.
11. Endothelium-derived vasoactive substances and uterine blood vessels - **National Institutes of Health**, September 1990.
12. Cardiovascular Alterations in Pregnancy: Prostanoids and Their Mode of Action. Postgraduate Seminars of the **American Heart Association**, November 1991.
13. Loma Linda University, Division of Perinatal Biology (Grand Rounds and a Basic Science Talk), Loma Linda, CA, November 1991.
14. University of Southern California School of Medicine - Department of Obstetrics/ Gynecology, (Grand Rounds), Los Angeles, CA, November 1991.
15. Harbor-UCLA - Department of Obstetrics/Gynecology, Torrance, CA, November 1991.
16. Cornell Medical Center Hypertension Division. Grand Rounds, New York, NY, March 1992.
17. Cardiovascular Disease in Women - **National Institutes of Health**, Invited discussant for proposed RFA, January 1992.
18. Endometrial Function and Dysfunctional Uterine Bleeding - **National Institutes of Health**, Invited Speaker and Task Force Panelist for Proposed RFA, May 1992.

19. Renin-angiotensin System and Uterine Vascular Function, International Conference on Local Systems in Reproduction. Serono Foundation Symposia, Paris, France, July 6-7, 1992.
20. Estrogen Control of Uterine and Systemic Vascular Function. **National Heart and Lung Institute**, London, England, July 1992. (Sponsor Ciba-Geigy).
21. Endothelium-Derived Vasoactive Factors Uterine Blood Vessels in Pregnancy. Universitaire Ziekenhuizen Gasthuisberg - Department of Obstetrics/Gynecology (Grand Rounds), Leuven, Belgium, July 1992.
22. Action of Endothelial-Derived Relaxing Factor (EDRF) and Prostacyclin (PGI₂) in the Uterine Vasculature During Normal Pregnancy In: Symposium on Endocrine, Paracrine and Autocrine Regulation of Vascular Tone During Normal Pregnancy at the 8th World Congress on Hypertension In Pregnancy, Buenos Aires, Argentina, November 8-12, 1992.
23. Endothelium-Derived Vasodilators in Uterine Blood Vessels in Pregnancy; Department of Anesthesiology and Low-Dose Aspirin in Preeclampsia; Department of Obstetrics/Gynecology, University of Texas Medical Branch at Galveston, TX, September 1993.
24. Endothelial Changes in the Cardiovascular Alterations of Normal and Hypertensive Pregnancies. Department of Obstetrics/Gynecology (Grand Rounds) and Physiology & Biophysics, Indiana University Medical Center, Indianapolis, IN, October 1993.
25. Endothelium-Derived Vasodilators in the Uterine Vasculature during Gestation. Department of Veterinary Physiology & Pharmacology. Iowa State University of Science and Technology, Ames, IA, January 1994.
26. Endothelium-Derived Vasodilators in Uterine Blood Vessels in Pregnancy; Department of Physiology, Obstetrics/Gynecology and The Lawson Research Institute of the University of Western Ontario. London, Ontario, February 1994.
27. Endothelial-derived Vasodilators and Uterine Blood Vessels in Pregnancy. In: Symposium on Cardiovascular Regulation of Vascular Tone During Normal and Hypertensive Pregnancies at the 9th World Congress on Hypertension In Pregnancy, Sydney, Australia, March 14-19, 1994.
28. Endothelium-Derived Prostacyclin and Nitric Oxide Production By Uterine Blood Vessels in Pregnancy; Department of Pharmacology and Physiology University of Texas Health Sciences Center, San Antonio, April 1994.
29. Endothelium-Derived Vasodilator Oxide Production During Normal in Pregnancy: A Role for PGI₂ and Nitric Oxide in Controlling Uterine Vascular Sensitivity to Angiotensin II. In: Angiotensin: Regulation and Function in the Cardiovascular System. Joint Medical College of Wisconsin and University of Wisconsin-Madison Symposium; Milwaukee, WI, February 1995. (Sponsor Merck Pharmaceuticals).
30. Endothelium-derived vasodilator (Prostacyclin and Nitric Oxide Production) During Normal and Hypertensive Pregnancies. Key Note Lecture: Japanese Society for the Study of Toxemia of Pregnancy. Kumamoto City, Kumamoto Japan, September 1995.

31. Estrogen Regulation of Cardiovascular Function: Modulation by Nitric Oxide. Department of Cardiology, Kumamoto University School of Medicine, Kumamoto City, Kumamoto, Japan, September 1995.
32. Angiotensin II Metabolism and Pressor Sensitivity in Normal and Preeclamptic Pregnancies. Department of Obstetrics/Gynecology, Nagoya University School of Medicine, Nagoya, Japan, September 1995.
33. Effects of Pregnancy and Estrogen on the Modulation of Endothelial Nitric Oxide Production by Uterine Vasculature. Department of Gynecology/Obstetrics, Kyoto University Faculty of Medicine, Kyoto, Japan, September 1995.
34. Effects of Pregnancy on Modulation of Endothelial Derived Vasodilators (PGI₂ and NO) Production by Uterine Vasculature. Lawson Research Institute, London, Ontario, Canada, August 1996.
35. Uterine Artery Endothelial Angiotensin II Receptors Modulate Vasodilator Production in Pregnancy. ISSHP Tenth World Congress, Seattle, WA, August 1996.
36. Uterine Artery Nitric Oxide and Prostacyclin Production and their Modulation of Uterine Vascular Physiology during Pregnancy. Perinatal Research Society Annual Meeting, Napa, CA, September 1996.
37. Endothelial Nitric Oxide Production during Pregnancy. Magness and Bird Co-Chairs of this Meeting. Annual Meeting of the No Name Society, Madison, WI, May 7-10, 1997.
38. University of Illinois 5th Biennial Reproductive Biology Retreat Allerton Conference Center, Monticello, IL, June 6-7, 1997. Magness, R.R., Zheng, J., and Bird, I.M. (Oral) Endothelial-derived Vasodilator Production in Uterine Vessels. Zheng, J., Bird, I.M., and Magness, R.R. (Poster) - Angiogenic Growth Factor Production by Ovine Placenta. Hiroaki, I., and Magness, R.R. (Poster) - Soluble and Particulate Granulate Cyclase in Vasculature in Pregnancy. Bird, I.M., and Magness, R.R. (Oral) - Angiotensin II Receptors on Uterine Artery Endothelium Are Increased in Pregnancy.
39. Effects of Pregnancy on Modulation of Endothelial Derived Vasodilators (PGI₂ and NO) Production by Uterine and Placental Vasculature. Saint Joseph's Hospital; Obstetrics/Gynecology Grand Rounds, Phoenix AZ, June 1997.
40. Effects of Pregnancy on Modulation of Endothelial Derived Vasodilators (PGI₂ and NO) Production by Uterine Arteries. FASEB Summer Research Conference "Perinatal Regulation of the Cardiovascular System", Invited for August 17-22, 1997.
41. Effects of Estrogen and Pregnancy on the Modulation of Endothelial Derived Vasodilators Nitric Oxide Production by Uterine Arteries and Coronary Arteries. First MD/PhD Retreat, University of WI-Madison, March 26, 1998.
42. **Endothelial Nitric Oxide Production in Uterine and Placental Arteries: Regulation by Angiogenic Growth Factors. Annual Meeting of the NO Name Society (Dr. Clark and Dr. Myatt), Cincinnati, OH, April 22-24, 1998.
43. Effect of Estrogen on the Cardiovascular System. Loma Linda University. Reproductive Biology Research Seminar, June 11, 1998.

44. Angiogenic Growth Factors and Uterine and Placental Blood Flows. Loma Linda University. Obstetrics and Gynecology Grand Rounds, June 12, 1998.
45. **Endothelium-derived Nitric Oxide in Pregnancy. Loma Linda University. Perinatal Biology Seminar, June 12, 1998.
46. Uterine and Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Angiogenic Factors. Department of Ob/Gyn Grand Rounds, UTMB Galveston, TX, August 13, 1998.
47. Pregnancy and Estrogen Regulation of Uterine Artery Endothelial Nitric Oxide Production and eNOS Expression. Department of Ob/Gyn Perinatal Research Basic Science Conference, UTMB Galveston, August 13, 1998.
48. Uterine and Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Pregnancy, Estrogen and Angiogenic Factors. Department of Pediatrics and Obstetrics/Gynecology Joint Perinatal Research Conference, UT Health Sciences Center Houston, TX, August 15, 1998.
49. Angiogenesis and Nitric Oxide during Ovine Pregnancy. NIH Angiogenesis and Vascular Remodeling Grantees' Meeting, Bethesda, MD, September 18, 1998.
50. Angiogenic Growth Factors and their Regulation of Nitric Oxide Synthase Expression Modulates Uterine and Placental Blood Flow during Pregnancy. In symposium on Vascular endothelial physiology, endothelial cell function and vasoactive agents at the 11th World Congress of ISSHP, Japan, October 29, 1998.
51. Angiogenesis, Nitric Oxide and Uteroplacental Blood Flow. Osaka University Medical School, Japan, November 2, 1998.
52. Endothelium and Pregnancy. Ehime University, Japan. November 4, 1998.
53. Angiogenesis, Nitric Oxide and Uterine and Placental Blood Flows. Kumamoto University, Japan, November 6, 1998.
54. Nitric Oxide and Uteroplacental Blood Flow during Pregnancy. Kyoto University, Japan, November 9, 1998.
55. Angiogenic Growth Factors, Nitric Oxide and the Regulation of Placental Blood Flows. Session Organizer, Michael G. Ross, MD, Fetal Research Satellite Meeting of the Society for Gynecologic Investigation, Atlanta, GA, March 10, 1999.
56. Calcitonin Gene-related Peptide, Nitric Oxide and Uterine Blood Flow during Pregnancy. In: Calcitonin Gene-related Peptide and Pregnancy. Session Chair C. Yallampalli, Breakfast Session Society for Gynecologic Investigation, Atlanta, GA, March 13, 1999.
57. Angiogenic factors and their regulation of Nitric Oxide and Uteroplacental Blood Flow. 2nd Meeting of the Madison and Milwaukee Hypertension Groups. April 7, 1999.

58. Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Shear Stress and Angiogenic Growth Factors. Annual Meeting of the No Name Society (Drs. Muller, Eberhart, Veille, and Figeroa), Tanglewood Park, Clemmons, NC, October 28-30, 1999.
59. **Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Angiogenic Factors. Department of Obstetrics/Gynecology Grand Rounds, UTMB, Galveston, TX, November 16-17, 1999.
60. Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Shear Stress and Angiogenic Growth Factors. Department of Pediatrics and Obstetrics/Gynecology Joint Perinatal Research Conference, UT Health Sciences Center, Houston, TX, November 18, 1999.
61. **Placental Angiogenesis and Nitric Oxide Modulation of Placental Artery Endothelium. Dept. of Physiology and Obstetrics/Gynecology Grand Rounds University of Oklahoma Health Sciences Center, Oklahoma City, OK, Dec 2-3, 1999.
62. Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Shear Stress and Angiogenic Growth Factors. Department of Obstetrics/Gynecology Washington University School of Medicine Saint Louis, MO, Feb 24-26, 2000.
63. Estrogen-induced Increases in Uterine Blood Flow: Physiology or Pharmacology. Satellite Meeting on Myometrial Function at the Society for Gynecologic Investigation, March 22, 2000.
64. Regulation of Placental Blood Flow and Artery Endothelial Nitric Oxide Production and eNOS Expression by Angiogenic Factors. Department of Animal Sciences, Texas A&M University, College Station, April 27-29, 2000.
65. Endothelial Changes in the Regulation of Placental Blood Flow by NO and Angiogenic Factors. Department of Pediatrics (Grand Rounds) and Use of their Ovine Animal Model in the Study of Uterine and Placental Blood Flows Division of Animal Science and Physiology, Indiana University Medical Center, May 21-23, 2000.
66. FASEB Summer Research Conference on Perinatal Regulation of the Fetal Cardiovascular System. Co-Chair of Entire Meeting; Session Chair of "Placental Angiogenesis and Placental Blood Flow" and "Maternal and Fetal Vascular Reactivity Changes Sessions" as well as the Poster Session/ Poster Awards Coordinator. Lectures: "Coordinated Regulation of Placental Blood Flows by Angiogenic Factors and Nitric Oxide" and "Studies of Vascular Reactivity from Whole Animal Physiology to Molecular Biology to Functional Genomics", 2000.
67. Gordon Research Conference Reproductive Tract Biology Regulation of Uterine and Placental Blood Flows by the Interaction of Angiogenic Factors and Nitric Oxide", New London, CT, July 2-6, 2000.
68. Society for the Study of Reproduction Minisymposia entitled: Angiogenesis in the Uterus and Placenta. Coordinated Regulation of Uterine Vasoactivity and Angiogenesis during Pregnancy. Madison, WI, July 15-17, 2000.
69. Perinatal Research Conference Post Society for the Study of Reproduction: Reproductive Adaptations in Pregnancy: Embryo, Uterus, Fetus and Placenta. Madison, WI, July 18, 2000.

70. **Guy's and St. Thomas' Fetal Health Research Group Division of Obstetrics and Gynaecology (Host Professor L. Poston, PhD) St. Thomas' Hospital Grand Rounds/Visiting Professor. Angiogenic Growth Factors and Shear Stress Modulation of NO Production and eNOS expression in Ovine Placental Artery Endothelial Cells, August 6-7, 2000.
71. Estrogen and Progesterone induced Increases in Uterine Blood Flow: Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase. University of Alberta Perinatal Research Centre, (Visiting Professor-Funded by Canadian Alberta Heritage Research Grant for Visiting Professor), Alberta, Canada, September 17-20, 2000.
72. University of New South Wales Sponsored by Professor Eugenie Lumbers, M.D., Ph.D., Angiogenic Growth Factors and Nitric Oxide Interaction to Modulate Placental Blood Flow, Sydney, Australia, October 30, 2000.
73. **University of Adelaide, Hosted by Professor Caroline McMillen, M.D., Ph.D. Placental Artery Endothelial Nitric Oxide Production and eNOS Expression: Regulation by Shear Stress and Angiogenic Growth Factors, Adelaide, South Australia, November 2, 2000.
74. Adelaide Australia ICE Satellite Meeting - Endocrinology and Development at McLaren Vale on Funding Perinatal Research: A National Institutes of health (NIH) Perspective (Keynote Speaker and e-published review on interpreting this topic). Host and Co-Chairs Professor Caroline McMillen, and Jeff Robinson as well as Cathy Coulter Department of Physiology, University of Adelaide, November 3, 2000.
75. Adelaide Australia ICE Satellite Meeting - Endocrinology and Development at McLaren Vale on Estrogen-Regulation of Uterine and Systemic Blood Flow Host and Co-Chairs Professor Caroline McMillen, Greg Rice and Mary Wlodek, November 4, 2000.
76. University of Melbourne, Australia, Howard Florey Research Institute Hosted by Professor Marelyn Wintour, "Funding Perinatal Research, A National Institutes of Health (NIH) Perspective for Foreign Applicants", November 6, 2000.
77. Melbourne Australia Florey Institute Associate Professor Greg Rice's Laboratory at the Royal Women's Hospital, Parkville Melbourne Angiogenesis in the Uterus and Placenta. Coordinated Regulation of Uterine Vasoactivity and Angiogenesis during Pregnancy, November 7, 2000.
78. Melbourne Australia Associate Professor Greg Rice's Laboratory at the Royal Women's Hospital, Parkville Melbourne Estrogen-induced Increases in Uterine Blood Flow: Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase, November 8, 2000.
79. **Auckland, New Zealand, Liggins' Institute Hosted by Professor Murray Mitchell and Peter Gluckman, Angiogenesis in the Uterus and Placenta. Coordinated Regulation of Uterine Vasoactivity and Angiogenesis during Pregnancy, November 9, 2000.
80. Auckland, New Zealand, Host Professor John France Chair Dept. Ob/Gyn, Royal Hospital, Estrogen and Progesterone induced Increases in Uterine Blood Flow: Effects acting via Endothelial-derived Nitric Oxide Synthase, November 10, 2000.

81. **University of Florida, Department of Physiology, Gainesville FL, Estrogen-induced Increases in Uterine Blood Flow: Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase, Gainesville, FL, January 8, 2001.
82. University of Florida, Department of Animal and Dairy Science, Regulation of Placental Blood Flow and Artery Endothelial Nitric Oxide Production and eNOS Expression by Angiogenic Factors and Shear Stress, Gainesville, FL, January 9, 2001.
83. Funding your research: NIH vs USDA funding. Panel discussion and presentation with Ei Terasawa and Milo Wiltbank. Endocrinology Reproductive Physiology Training Program Annual Symposium, September 9, 2001.
84. Cornell University, Ithaca NY, Department of Biomedical Sciences, Regulation of Placental Artery Endothelial Nitric Oxide Production and eNOS Expression by Angiogenic Factors and Shear Stress, October 2, 2001.
85. Cornell University, Department of Animal Science. Estrogen-induced Increases in Uterine Blood Flow: Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase, Ithaca, NY October 3, 2000.
86. Magee Women's Research Institute, Pittsburgh PA, Department of Ob/Gyn, Placental Blood Flow and Endothelial Nitric Oxide Production and eNOS Expression: Roles of Angiogenic Factors and Shear Stress, October 4, 2001.
87. University of Louisville Health Sciences Center, Department of Ob/Gyn, Regulation of Placental Blood Flow and Endothelial Nitric Oxide Production and eNOS Expression by Angiogenic Factors and Shear Stress, Louisville, KY, November 9, 2001.
88. University of Louisville Health Sciences Center, Department of Ob/Gyn, Estrogen Mediates Rises in Uterine Blood Flow via Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase, Louisville, KY, November 9, 2001.
89. Endothelial Nitric Oxide Synthase Expression: Effects of Shear Stress and Estrogen. Annual Meeting of the No Name Society, Lake Arrowhead, CA, January 10-13, 2001.
90. UCLA-Torrance, California Department of Ob/Gyn, Placental Blood Flow and Endothelial Nitric Oxide Production and eNOS Expression: Roles of Angiogenic Factors and Shear Stress, Torrance, CA, January 14, 2002.
91. Shear Stress and Estrogen Regulation of Endothelial Nitric Oxide Synthase Expression. Annual Meeting of the No Name Society, The Woodlands, TX, November 7-10, 2002.
92. Careers in Animal Sciences and Agricultural Education. Madison Independent School District East High School, Madison, WI, January 7, 2003.
93. Albany Medical Center, Clinical Grand Rounds: Regulation of Placental Blood Flow, Endothelial Nitric Oxide Production, and eNOS Expression by Angiogenic Factors and Shear Stress and a Basic Science Talk: Estrogen Induced Rises in Uterine Blood Flow Are Mediated by both Genomic and Nongenomic Effects acting via Endothelial-derived Nitric Oxide Synthase Albany, NY, March 5-7, 2003.

94. Maternal Blood Flow Regulation and Fetal Growth. Fetal Programming Symposium to Honor David Barker, Oregon Health Sciences University, November 2003
95. Shear Stress and Blood Rheologic Properties May Regulate Endothelial Nitric Oxide Synthase in Pregnancy and During the Ovarian Cycle. Annual Meeting of the No Name Society, Niagara Falls, Canada, January 22-24, 2004.
96. Visiting Scientist, program review. University of Texas Medical Branch Galveston. Lecture on Estrogen Regulation of Uterine Blood Flow, Galveston, TX, April 1-2, 2004.
97. Shear Stress and Pregnancy Regulation of Endothelial Nitric Oxide Synthase Expression. Oregon Health Sciences University, Portland, OR, April 15-16, 2004 [Lecture given as part of their Program Project Review; Kent Thornburg, PI].
98. Placental Blood Flow and Shear Stress Regulation of Endothelial Cell Signaling. In: FASEB Summer Research Conference on Cellular and Molecular Regulation of the Perinatal Cardiovascular System, Tucson, AZ, August 23-26.
99. Estrogen Shear Stress Regulation of Nitric Oxide Production. University of Alberta Perinatal Research Centre, Alberta, Canada, September 28-30, 2004.
100. Uterine Blood Flow and Shear Stress Regulation of Endothelial Nitric Oxide Production. Annual Meeting of the No Name Society, Florida, November 4-7, 2004.
101. Mechanisms of uteroplacental blood flow regulation and fetal growth. Chair Symposium and Panel Discussion for Symposium on Maternal Vascular and Hormonal Changes in Pregnancy. Society for the Study of Reproduction, Quebec City, Canada, July 2005.
102. Uteroplacental Blood Flow and Fetal Growth: Fetal Programming of Adult Onset Disease. Loma Linda University Medical School, Loma Linda University. Loma Linda, CA, August 19, 2005.
103. Uteroplacental Blood Flow and Fetal Growth: Implications for Fetal Programming of Adult Onset Disease. University of Wisconsin Cardiovascular Research Center Vascular Colloquium, Madison, WI, February 2006.
104. How the Maternal Fetal Interface Influences Developmental Programming of Adult Onset Disease. The Center for the Study of Cultural Diversity in Healthcare. University of Wisconsin School of Medicine and Public Health, Madison, WI, March 15, 2006.
105. Uteroplacental Blood Flow and Fetal Growth: Fetal Programming of Adult Onset Disease. University of Wisconsin Department of Internal Medicine, Endocrine Grand Rounds, Madison, WI, April 2006.
106. Uterine and Placental Blood Flows: Implications for Developmental Programming of Adult Onset Disease. Department of Obstetrics and Gynecology East Virginia Medical School, Norfolk, VA, February 2, 2007.
107. Uteroplacental Blood Flows and Fetal Growth: Implications for Developmental Programming of Adult Onset Disease. To: Departments of Physiology and Cell & Molecular Biology and In Vivo Uterine Shear Stress and Blood Flows in Normal and Preeclamptic Women to: Department of Ob/Gyn Magee Women's Research Institute, Pittsburgh, PA, February 4-5, 2007.

108. Developmental Origins of Health and Disease: Implications of Altered Uteroplacental Perfusion. NOVA Southeastern Osteopathic Medical School, March 9, 2007.
109. Uterine and Placental Blood Flows: Implications for Developmental Programming of Adult Onset Disease. Department of Pediatrics and Obstetrics and Gynecology, Ohio State University, Columbus, OH, April, 2007.
110. Uterine Endothelial Function and Fetal Growth during Pregnancy Implications for Developmental Origins of Adult Onset Disease: Department of Obstetrics and Gynecology Perinatal Research Division UTMB Galveston, Galveston, TX, April 23-24, 2007.
111. Developmental Programming of Adult Onset Disease: Uterine Endothelial Function during Gestation: To: Division of Perinatal and Reproductive Science Group and *In Vivo* Measurements of Uterine Artery Shear Stress in Normal and Preeclamptic Women: Department of Obstetrics and Gynecology Grand Rounds New Jersey School of Medicine and Dentistry, Newark, NJ, May 8-9, 2007
112. Uteroplacental Blood Flow and Endothelial Regulation of Fetal Growth Relates to Fetal Programming of Adult Onset Disease. University of Texas Southwestern, Dallas, TX, October 2007.
113. Shear Stress and Estrogen Regulation of Endothelial Nitric Oxide may Underlie Developmental Programming of Adult Onset Disease. University of South Australia. Adelaide, South Australia, November 2007.
114. Adelaide South Australia. University of South Australia - Funding Perinatal Research: A National Institutes of health (NIH) Perspective. Also University of Adelaide, November 2007.
115. Shear Stress Measurements in Normal and Preeclamptic Pregnancies. Invited Lecture and Co-Organizer Reproductive Bioengineering Conference Kuhtai, Austria, April 1-5, 2008.
116. Measurement of Uterine Artery Blood Flows and Shear Stress in Nonpregnant and Pregnant Women: Implications for our Understanding of Preeclampsia. University of Wisconsin Department of Obstetrics and Gynecology, Grand Rounds, Madison, WI, April 10, 2008.
117. *In Vivo* Measurements of Shear Stress in Normal and Preeclamptic Pregnancies. University of Hawaii, Honolulu, May 2008.
118. Estrogen and the Control of Uterine Vascular Function and Fetal Growth: Role of Shear Stress and eNOS Activation. University of California-Irvine, January 7, 2009.
119. Uterine Endothelial Nitric Oxide and Ca^{++} changes: Role of endogenous Estrogen and Reactive Oxygen Species. UCLA-Lake Arrowhead, No Name Group, January 9, 2009.
120. Mechanisms Controlling Uterine Blood Flow Changes in Gestation may Underlie the Developmental Origins of Adult Onset Disease. University of Vermont College of Medicine, Basic Science Lecture, February 23, 2009.
121. Uterine Blood Flow and Shear Stress in Normal and Preeclamptic Pregnancy. University of Vermont College of Medicine, Ob/Gyn Grand Rounds, February 24, 2009.

122. Regulation of Uterine Vascular Reactivity and Endothelial Function in Pregnancy. “Meet the Professor Lectures”. Meeting of the Society for Gynecologic Investigation in Glasgow, Scotland. March 2009.
123. Mechanisms Controlling Uteroplacental Blood flow and Fetal Growth: Implications for Development Origins of Health and Disease. Texas A&M Interdisciplinary Faculty of Reproductive Biology Forum, Texas A&M University, College Station, May 2009. [Graduate Student Choice for Invited Mentor Presentation].
124. ATP-induced Caveolar Proteomic Signature Profile and Doman-specific Multi-site Phosphorylation “Zip Codes” of Uterine Artery Endothelial Cell (UAEC) eNOS. Hosted by UT San Antonio, Bandera, TX. No Name Society, October 2009.
125. Shear Stress and Vascular Function in Normal and Preeclamptic Pregnancies. Invited Lecture Society for Gynecologic Investigation Satellite Conference Sendai, Japan, November 9-12, 2009.
126. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Rates and Shear Stresses in Normal and Preeclamptic women. Invited Speaker 3rd SGI International Summit 2009, “Preeclampsia”, Session III: Prediction & Diagnosis, Sendai, Japan, and November 12, 2009.
127. Mechanisms Controlling Uteroplacental Blood flow and Fetal Growth: Implications for Development Origins of Health and Disease. Invited Lecture at Hamamatsu University in Hamamatsu, Japan, November 16, 2009.
128. Regulation of Placental and Uterine Blood Flow via Endothelial Mechanisms. Invited Lecture at Nagoya City University in Nagoya, Japan, November 17, 2009.
129. Uterine Artery Angiogenesis is Party Mediated by Estrogen-induced Increases of VEGF. Invited lecture at Kumamoto University in Kumamoto Japan, November 24, 2009.
130. Mechanisms Controlling Uterine Blood Flow Changes in Gestation may Underlie the Developmental Origins of Adult Onset Disease. Beijing University, China, May 2010
131. Agriculturally Important Animals used in Biomedical Research and Regulation of Developmental Origins of Adult Onset Disease: Altering Reproductive Efficiency. Northeastern Xian Agriculture and Veterinary School (2 lectures) China, May 2010.
132. Uterine Space Restriction induced IUGR: Interactive effects of uterine anomalies and multifetal gestations on fetal and placental growth and development. University of South Australia, Adelaide South Australia, October 9, 2010.
133. Catecholestrogens and the regulation of angiogenesis via a pregnancy regulated uterine artery endothelial adrenergic system. Lawton, Oklahoma, No Name Society, November 2010.
134. Uterine Blood Flow in Pregnancy: Role of Estrogen and its Metabolites on Regulating Angiogenesis. UW Cardiovascular Research Center. UW Madison Vascular Biology Research Colloquium, November 4, 2010.
135. Uterine Space Restriction induced IUGR: Interactive effects of Uterine Anomalies and Multifetal Gestations on Fetal and Placental Growth and Development. University of Texas Southwestern, November 11, 2010.

136. Mechanisms Regulating Uteroplacental Blood Flows: Implications for Developmental Origins of Health and Disease. Reproductive Biology/Physiology Seminar. University of Florida, Gainesville, FL, December 9, 2010.
137. Regulation of Uteroplacental Blood Flows: Vasodilatation, Angiogenesis and Vascular Remodeling. Society for Gynecologic Investigation [Invited symposium], March, 2011.
138. Endothelial Adaptations Controlling Uterine Blood Flows during Pregnancy: Implications Related to Developmental Origins of Health and Disease. Obstetrics and Gynecology Grand Rounds. University of Colorado, Denver, Anschutz Medical Center, July 12, 2011.
139. Uterine Space Restriction induced IUGR: Interactive effects of uterine anomalies and multifetal gestations on fetal and placental growth and blood flows. I Co-Chaired this Satellite Meeting of Vascular and Cardiac Changes for the DOHAD meeting, September 22, 2011.
140. Local Endogenous vs. Systemic Adrenergic Regulation of Uterine Artery Endothelial Angiogenesis: Interactions of Catecholamines and Estrogens during Pregnancy. Tucson, AZ, No Name Society, November 10-13, 2011.
141. Mechanisms Controlling Uterine Blood Flow Changes in Gestation may Underlie the Developmental Origins of Adult Onset Disease. Children's Health Research Institute (CHRI) London, Ontario, Canada, November 30, 2011.
142. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Rates and Shear Stresses in Normal and Preeclamptic Women. Obstetrics and Gynecology Grand Rounds. Children's Health Research Institute (CHRI) London, Ontario, Canada, November 30, 2011.
143. Mechanisms Controlling Endothelial Adaptations Modulating of Uteroplacental Blood Flows during Gestation May Underlie Developmental Origins of Health and Disease (DoHAD). Penn State Hershey Medical Center, Hershey, PA, February 10, 2012.
144. Estrogen Metabolite and Catecholamine Regulation of Uterine Artery Endothelial Function during Pregnancy. University of Wisconsin Department of Internal Medicine, Endocrine Grand Rounds, Madison, WI, March 1, 2012.
145. Uterine Space Restriction induced IUGR: Interactive Effects of Uterine Anomalies and Multifetal Gestations on Fetal and Placental Growth and Blood Flows. Volcani, Agricultural Research Center, The Hebrew University of Jerusalem, Rehovot, Israel, April 6, 2012.
146. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Obstetrics and Gynecology Grand Rounds. New York University, May 23, 2012.
147. Endothelial Adaptive Mechanisms that Modulate Uterine Blood Flow Changes during Gestation may Underlie the Developmental Origins of Adult Onset Disease. Basic Science Talk. New York University, May 24, 2012.
148. Endothelial Mechanisms Controlling Blood Flow and Vascular Adaptations during Gestation may Underlie the Developmental Origins of Adult Onset Disease. Michigan State University Department of Pharmacology and Toxicology, East Lansing, MI, June 25, 2012.

149. Cardiovascular development and the programming of hypertension. The Australian Early Origins of Hypertension Workshop in Honor of the Scientific Contributions of Emeritus Scientist professor Eugenia R. Lumbers FAA and Professor Caroline McMillen. Adelaide South Australia, September 27-29, 2012.
150. "Pregnancy Adaptation and Endothelial Nitric Oxide Production: Role of Gap Junctions"; 40th Anniversary Celebration of the Center for Perinatal Biology Loma Linda University honoring Dr. Larry Longo, February 11, 2013.
151. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Preeclampsia Symposium Section. Society for Gynecologic Investigation Summit Meeting: From Implantation to Parturition, Jerusalem, Israel, May 29, 2013.
152. Uterine Space Restriction-induced IUGR: Regulation of Uteroplacental Blood Flows and Fetal Development in Sheep. Volcani, Agricultural Research Center, The Hebrew University of Jerusalem, Rehovot, Israel, June 4, 2013.
153. Shear Stress and Changes in Uterine Blood Flow in Normal and Preeclamptic Pregnancies. Department of Biomedical Engineering, Tel Aviv University, Tel Aviv, Israel, June 5, 2013.
154. Endothelial Mechanisms Controlling Blood Flow and Vascular Adaptations during Gestation may Underlie the Developmental Origins of Adult Onset Disease. Texas Tech University Health Sciences Center, Department of Cell Biology and Biochemistry, Lubbock, TX, July 18th, 2013.
155. Endothelial Adaptations of Nitric Oxide and Gap Junctions Controlling Uterine Blood Flows during Pregnancy: Implications Related to Developmental Origins of Health and Disease. Snowmass Perinatal Meeting, Snowmass, Aspen, CO, August 25, 2013.
156. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Ob/Gyn Grand Rounds, University of Texas Health Science Center, San Antonio, TX, October 22, 2013.
157. Role of Estrogen and its Metabolites on Regulating Uterine Angiogenesis: Implications in Preeclampsia. Center for Pregnancy and Newborn Research, University of Texas Health Science Center, San Antonio, TX, October 21, 2013.
158. Endothelial Adaptations, Cyclic Nucleotides and Gap Junction Phosphorylations Controlling Uterine Blood Flows during Pregnancy. No Name Meeting, Albuquerque, NM, October 24, 2013.
159. Endothelial Mechanisms Controlling Blood Flow and Vascular Adaptations during Gestation may Underlie the Developmental Origins of Adult Onset Disease. University of Arizona Tucson, AZ June 30, 2014.
160. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Obstetrics and Gynecology Rounds and Endothelial Mechanisms Controlling Blood Flow Hamamatsu University School of Medicine, September 1, 2014.
161. Vascular Adaptations during Gestation may Underlie the Developmental Origins of Adult Onset Disease. Basic Science Lab Group Talk. Hamamatsu University School of Medicine. September 1, 2014.

162. Role of Estrogen and its Metabolites on Regulating Uterine Angiogenesis: Implications in Preeclampsia. Center for Pregnancy and Newborn Research, Department of Obstetrics and Gynecology. Ehime University School of Medicine. Ehime, Japan, September 4, 2014.
163. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Ob/Gyn Rounds. University of Texas Medical Branch, Galveston, TX, October 8, 2014.
164. Endothelial Mechanisms Controlling Blood Flow and Vascular Adaptations during Gestation may Underlie the Developmental Origins of Adult Onset Disease. Basic Science MFM Fellows Lecture. University of Texas Medical Branch, Galveston, TX, October 8, 2014.
165. Leader: Mini Symposium - Endothelial Cell-Cell Communication at the Maternal Fetal Interface: Lecture I (RR Magness): Pregnancy Adaptation and Endothelial Nitric Oxide Production: Role of Gap Junctions. Lecture II (IM Bird): The Deepest Cut: Wounding as a Model for Preeclampsia. Lecture III (J Zheng): Chronic Low Oxygen Adaptations of Placental Endothelial Cells: Possible Roles of G-Proteins. University of South Florida, Tampa, FL, December 15, 2014.
166. Mechanisms Controlling Endothelial Adaptations Modulating of Uteroplacental Blood Flows during Gestation May Underlie Developmental Origins of Health and Disease (DoHAD). Invited Keynote Lecture for “International Symposium of Developmental Programming of Health and Disease and High Altitude Hypoxia Medicine”. Sponsored by Chinese for Developmental Origins of Health and Disease (DOHAD) Society and Chinese Maternal/Fetal and Perinatal Medicine Society, Xining Qinghai, China, July 30 to August 2, 2015.
167. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Stresses in Normal and Preeclamptic Women. Invited Keynote Lecture: Satellite Meeting of “International Symposium of Developmental Programming of Health and Disease and High Altitude Hypoxia Medicine” High Altitude Hypoxia Maternal/Perinatal Medicine. Lhasa, Tibet August 3-6, 2015.
168. Signaling Pathway of 4-Methoxyestradiol-induced Uterine Artery Endothelial Cell Proliferation. Invited Lecture: The No Name Scientific Retreat. Nassau, Bahamas, November 12, 2015.
169. Mechanisms Controlling Endothelial Adaptations Modulating of Uterine and Placental Blood Flows during Gestation. 49th Annual Meeting of the Society for the Study of Reproduction. San Diego, CA, July 18, 2016.
170. Angiogenic Responses of a Local Uterine Artery Endothelial Cell Adrenergic System and its Regulation during the Ovine Ovarian Cycle and Pregnancy. No Name Society Scientific Retreat, Estes Park, CO, October 20-23, 2016.
171. Steroid Control of Blood Vessel Function: Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan, March 9 & 11, 2017.
172. Estrogen regulation of uterine hemodynamics. Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan, March 8 & 10, 2017.

173. Steroid hormones and regulation of systemic vascular resistance. Taiwan Association for Minimally Invasive Gynecology (TAMIG), Kaohsiung, Taiwan, March 11, 2017.
174. Visiting Scientist in Center for Perinatal Biology, Department of Basic Sciences of Loma Linda University, Loma Linda, CA, May 11 & 12, 2017.
175. Retirement Prof. Dr. Bernard Spitz; Key note Academic Session. Dr Spitz's Low Dose Aspirin and Angiotensin Sensitivity in Preeclampsia: It's impact on the field of Maternal Fetal Medicine. Department of Obstetrics and Gynecology of the University of Leuven, Belgium, October 4, 2017.
176. Mechanisms Controlling Endothelial Adaptations Modulating of Uteroplacental Blood Flows during Gestation May Underlie Developmental Origins of Health and Disease (DoHAD). Barron Lecture, University of Florida, Gainesville, December 6, 2017.
177. Sympathomimetic Receptors on Uterine Artery Endothelium. (Host) No Name Society Meeting, Tampa, FL, October 25-29, 2017.
178. Agriculturally Important Research Animal Models in Pregnancy: Implications for Developmental Origins of Health and Disease. Zhongkai University of Agriculture and Engineering, Guangzhou, Guangdong, China. November 28- December 1, 2017.
179. Mechanisms Controlling Uterine and Placental Blood Flows during Pregnancy. Fourth Pearl River Perinatology Summit Forum, Guangzhou, Asia, China. December 1-3, 2017.
180. Role of Estrogen and its Metabolites on Regulating Uterine Angiogenesis: Implications in Preeclampsia. University of Colorado Anschutz Medical Campus, Division of Reproductive Sciences (OB/Gyn) and Perinatal Research Center (Neonatology). September 4, 2018.

** Indicates that these Visiting Professorships were also to train the hosting laboratories in the novel method we have developed for isolating endothelium *ex vivo* for protein, RNA and cell culture analysis.

Outside Activities and Interests

Scouting: Cub Scout Leader in Texas then in WI, Assistant Scout Master and Troop 420 Council; Eagle Scout Court of Honor Participating and Coordinator (multiple past years), Weekend and Summer Camp Coordinator, District Merit Badge Councilor, BSA Order of the Arrow -Service Honor Society.

Junior and High School: School Volunteer as judge for science fairs (multiple past years), Invent America, Odyssey of the Mind (Including State), Destination Imagination (Including Regional's), High School Student -University Science Experiences through UW Medicine and Engineering.

Endurance Athletics (# completed): Masters swimming, Century Bike Competitions (>40), half and full Marathons (>25), Triathlons: Olympics (>40), Half Ironman (18) and Full Ironman (2) Competitions.