

7/15/21

CURRICULUM VITAE
JAMES F. PADBURY, M.D.

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Women & Infants Hospital
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EDUCATION/DEGREES

Undergraduate: University of California, Irvine,
1965-69, B.S., Magna Cum Laude
Medical School: University of California, Los Angeles, School of Medicine
1969-73, M.D.
MA *ad eundem*, Brown University, 1996

POSTGRADUATE TRAINING

Internship: San Francisco General Hospital (Pediatrics)
San Francisco, California
1973-74
Residency: Postgraduate Fellow in Pediatrics
Children's Hospital Medical Center
Boston, Massachusetts
1975-76
Chief Resident in Pediatrics
University of California, San Francisco
San Francisco General Hospital
1976-77
Fellowship: Clinical Fellowship in Neonatology
Children's Hospital Medical Center
Boston, Massachusetts
1974-75
Research Fellowship in Neonatology
Harbor-UCLA Medical Center
UCLA School of Medicine
Torrance, California
1979-80

POSTGRADUATE HONORS AND AWARDS

University of California, Irvine, Magna Cum Laude Honors, Biological Sciences
Richard E. Weitzman, M.D. Memorial Endocrinology Research Award, Harbor-UCLA Medical
Center, 1981
Basil O'Connor Research Scholar Award, March of Dimes, 1984

Jonas Salk Health Leadership Award for Healthcare Providers, March of Dimes Rhode Island Chapter, 2004
Medical Staff Distinguished Service Award, Women & Infants Hospital, 2005
2008 March of Dimes National Distinguished Volunteer Service Award, Eastern Region
2009 Volunteer of the Year Award, March of Dimes Rhode Island
Selected, Member, “Best Doctors in America” 2007-08, 2010-2011, 2011-12, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017
Recognition Award, RI Newborn Screening Blood Spot & Hearing Program, 2012
Mentor of the Year Award, Eastern Society for Pediatric Research, 2014
Silver Rattle Award, Rhode Island Healthy Mothers, Healthy Babies Coalition, 2015
Editorial Board Certificate of Excellence, Journal of Pediatrics, May 2018
Certificate of National Research Mentor Training, November, 2019

MILITARY SERVICE: none

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Licensure:

California, #G27131, Rhode Island, #08966, Massachusetts, #151961

Board Certification:

Diplomat, American Board of Pediatrics, July, 1978 #021880

Diplomat, Sub-Board of Neonatal-Perinatal Medicine, October, 1981, #994

ACADEMIC APPOINTMENTS

Chief of Pediatrics, Natividad Medical Center, Salinas, California, 1977 - 1979

Clinical Instructor, Ambulatory & Community Medicine, University of California, San Francisco 1977 - 1979

Assistant Professor of Pediatrics, Harbor-UCLA Medical Center, UCLA School of Medicine, 1980-1985

Associate Professor of Pediatrics, Harbor-UCLA Medical Center, UCLA School of Medicine, 1985-1990

Professor of Pediatrics, Harbor-UCLA Medical Center, UCLA School of Medicine, 1990 - 1995

Professor of Pediatrics, Brown Medical School, 1995 – 2021

Professor and Associate Chair for Research, Department of Pediatrics, 2007- 2018

William and Mary Oh – William and Elsa Zopfi Professor of Pediatrics for Perinatal Research, The Warren Alpert Medical School of Brown University, 2008 – 2021

HOSPITAL APPOINTMENTS

Director, Neonatal Intensive Care Unit, Harbor-UCLA Medical Center, 1988-1992

Chief, Division of Neonatology, Harbor-UCLA Medical Center, 1992 - 1995

Chief of Pediatrics, Women & Infants Hospital of Rhode Island, 1995 – 2020

Consulting Staff, Department of Pediatrics, Brockton Hospital, 1997 - 2013

Consulting Staff, Department of Pediatrics, Charlton Memorial Hospital, 1997-2016

Affiliate Staff, Department of Neonatology, Kent County Memorial Hospital, 1997 - 2021

Consulting Staff, Department of Pediatrics, Rhode Island Hospital, 1997 - 2021

Consulting Staff, Department of Pediatrics, St. Luke’s Hospital, 1998 - 2016

Consulting Staff, Department of Pediatrics, Memorial Hospital of Rhode Island, 2000 - 2017

Affiliate Staff, Department of Pediatrics, Sturdy Memorial Hospital, 2000 – 2021

Consulting Staff, Department of Pediatrics, The William W. Backus Hospital, 2008 – 2017

Active Staff, Department of Pediatrics, South County Hospital, 2014 – 2021
Consulting Staff, Department of Pediatrics, Newport Hospital, 2016-2021
Consulting Staff, Department of Pediatrics, Landmark Medical Center, 2018-2021
Emeritus Chief of Pediatrics, Women & Infants Hospital of Rhode Island, 2020 - 2021
Vice President of Pediatric Research, Women & Infants Hospital of Rhode Island, 2020 - 2021

OTHER APPOINTMENTS

Co-Chair, American Heart Association Fellowship Study Section, 1993-1995
Scientific Advisory Board, Nephrogenic Diabetes Insipidus Foundation, 1998-present
President-elect, Council of the New England Association of Neonatologists, 1999
Member, Child Health Advisory Committee, Charles H. Hood Foundation, 1999-2003
Chair, Child Health Advisory Committee, Charles H. Hood Foundation, 2004
RI Department of Health Genetics Screening Advisory Committee, 1998 - 2021
Chair, RI Department of Health Newborn Screening Advisory Committee, 1998-2021
Member, National Conference for Community and Justice
Member, Program Committee, Pediatric Academic Societies' Annual Meeting, 2001-2005
Member, Human Embryology & Development Study Section, National Institutes of Health, 2002-2005
Chair, Pregnancy and Neonatology Study Section, National Institutes of Health, 2005-2007
Member, Rhode Island Association for Infant Mental Health, 2003-2021
Member, Pregnancy and Neonatology Study Section, National Institutes of Health, 2001-2004
Member, Special Emphasis Review Panel, National Institutes of Health RFA RM-04-010
Interdisciplinary Health Research Training: Behavior, Environment and Biology, 2004
Member, RI COBRE InBRE Program Directors Steering Committee, 2006-2021
Member, Rhode Island BioBank Steering Committee, 2007
Member, National Children's Study Scientific Advisory Board, 2007-2013
Member, Advisory Council, National Center for Research Resources IDeA Networks of
Biomedical Research Excellence (INBRE), 2008-2013
Member Representative, NIH-NCRR National Council of IDeA Association, 2008-12
Member, Advisory Board, Neurodevelopment Imaging Study, 2010-2015
Member, Ocean State Center for Advanced Resources (OCEAN), 2011-2015
Member, Lifespan/CNE Research Task Force, 2013-2018
Member, Executive Advisory Committee, Molecular Epidemiology at Dartmouth COBRE
(Center of Biomedical Research Excellence), 2013-2021
Member, Executive Advisory Committee, Immunology at University of Rhode Island COBRE
(Center of Biomedical Research Excellence), 2013-present
Member, Executive Advisory Committee, *Accel*, the IDeA - Center for Clinical and
Translational Research, University of Delaware, 2013-2021
Member, NE Regional Center for Research on Preterm Birth, 2013-present
Member, March of Dimes External Advisory Committee, Prematurity Research Program
Reviews, Stanford University, 2014-present
Member, Birth Cohort Scientific Committee, Hassenfeld Child Health Innovation Institute,
2016
Member, External Advisory Committee, Harvard University Training Program in Newborn and
Developmental Diseases, 2016-present
Member, External Advisory Board, Hispanic Alliance IDeA CTR Award, University of Puerto
Rico 2020 - present

HOSPITAL COMMITTEES

Harbor-UCLA Medical Center

NICU Steering Committee, 1980-1995

Radiation Safety Control Committee, 1980-1995

Infection Control Committee, 1981-1995

Search Committee Pediatric Cardiology, 1991-1995

Research Advisory Committee, 1993-1995

Review and Appraisal Committee, 1988-1995

Women & Infants Hospital of Rhode Island

Board of Trustees, 1995-2011

Executive Committee, 1995-2020

Medical Care Evaluation Committee, 1995-2020

Radiation Safety Committee, 1995-present

Indemnity Board, 1996-present

Claims Committee, 1996-2020

Care New England Physician Integration Task Force, 1996-2001

Lifespan Research Advisory Committee, 1996-2001

Pediatric Curriculum Committee, 1999-2003

Human Genetics Committee, 2001-present

Information Services Steering Committee, 2001-2009

Newborn Screening Task Force, 2001-present

Clinical Services Planning - Obstetrical Task Force, 2002-2004

Clinical Services Planning - NICU Task Force, 2002-2004

Medical Home Task Force, 2002-2010

Lifespan Development Grant Committee, 2002-2008

Business Growth Steering Committee, 2003-2005

Kilguss Advisory Committee, 2003-present

Kilguss Governance Committee, 2003-present

Imaging Services Task Force, 2004- 2005

NICU Steering Committee, 2004-present

Strategic Leadership Group, 2004-2020

Certificate of Need Workgroup, 2004-2005

Interim NICU Committee, 2005-2009

Hospital Advisory Committee, 2005-2008

Grant Reviewer, COBRE Center for Cancer Research Development, 2005

ONWARD Campaign Steering Committee, 2005-2009

NICU Design Committee, 2005-2009

Chair, Search Committee, Staff Neonatologist, Department of Pediatrics, 2005-07

NICU Family Advisory Council, 2006-present

KidsNet Task Force, 2007-present

Emergency Medical Services for Children Task Force, 2007-2011

Physician Advisory Team, 2008-present

NICU INet PowerNote Design Committee, 2008-11

Professional Revenue Cycle Board, 2008-2017

Faculty Enterprise Leadership Team, 2009-2018

Chair, Search Committee, Staff Neonatologist, Department of Pediatrics, 2009-10

Network Steering Committee, 2010-2015
Research Steering Committee, 2010-2015
Chair, Search Committee, Staff Neonatologist, Department of Pediatrics, 2010-2011
President, Faculty Physicians, Inc, 2011-2020
Member, Research Oversight Committee, 2013-2018
Member, Academic Council for the Care New England Board, 2012- 2019
Member, Care New England Clinical Integration Council, 2012 – 2020
Member, Care New England Strategic Planning Committee, 2012 – 2020
Member, Organizing Committee, International Fetal Medicine and Surgery Society Annual Meeting, 2013-2014
Chair, Search Committee, Chief of Medicine at Women & Infants Hospital, 2013-2015
Member, Care New England Physician Compensation Steering Committee, 2013-2020
Member, Care New England Primary Care Council, 2013-2020
Member, Care New England Information Technology Executive Steering Committee, 2014-20
Member, Scientific Advisory Committee for the Constance A. Howes Women’s Health Innovation Research Fund, 2014-2021
Member, Search for Designated Institutional Official, 2014-2015
Member, Search for President and Chief Operating Office, 2017-2018
Member, Search for Division Director, Reproductive Endocrinology & Infertility, 2018-2019
Member, Care New England Research Committee, 2020-2021

BROWN UNIVERSITY COMMITTEES

Pediatric Department Faculty Executive Council, 1995-2021
Search Committee, Chief of Pediatric Surgery, 1996-1997
Liaison Committee on Medical Education Task Force, 1996-1997
Search Committee, Research Associate, Department of Surgery, 1998-2001
Search Committee, Director, Pediatric Gastroenterology and Nutrition, 1998-2000
Chair, Search Committee, Staff Neonatologist, Department of Pediatrics, 1998-2000
Search Committee, Pathologist-in-Chief, 1998-2000
Search Committee, Clinical Geneticist, 1998-1990
Faculty Member/Advisor, Graduate Program in Pathobiology, 1999-2021
Steering Committee Member, Center for Genetics & Genomics, 2000-2002
Chair, Search Committee, Staff Neonatologist, Department of Pediatrics, 2000-2003
Chair, Search Committee, Pediatric Cardiologist, 2001- 2004
Search Committee, Provost and Executive Vice President, 2001-2004
Search Committee, Chief of Pediatrics, Memorial Hospital of Rhode Island, 2002-2003
Chair, Clinical Advisory Committee for Chair of Pediatrics Search Committee, 2002-2004
Member, Medical Faculty Executive Committee, 2002-2006
Vice Chair, Medical Faculty Executive Committee, 2003-2004
Liaison Committee on Medical Education Task Force, 2003-2004
Search Committee, Staff Pathologist, Department of Pathology & Laboratory Medicine, 2004-05
Chair, Medical Faculty Executive Committee, 2004-2005
Member, President’s Executive Committee, 2004-2005
Member, BioMed Faculty Council, 2004-2005
Member, Faculty Executive Committee, 2005-2009
Member, Search for Dean for Cross-Disciplinary Sciences, 2005-2007

Member, Search for Associate Dean for Graduate and Postdoctoral Training, 2005- 2006
Reviewer, Richard B. Salomon Faculty Research Awards, 2005-2006
Reviewer, Research Seed Fund Awards, 2006
Member, Brown Cardiovascular Center Steering Committee, 2006-2021
Member, Search for Director, Division of Research, 2006-2007
Member, Search for University Provost, 2006-2008
Member, Faculty Review and Promotions Committee, 2006-2021
Member, Steering Committee, Brown Center for Genomics and Proteomics, 2006-2012
Member, Search for Chair, Department of Obstetrics and Gynecology, 2007-2008
Reviewer, Smith Family Foundation Awards, 2007
Member, Executive Committee and Director, Core Laboratories, Clinical and Translational Science Award, 2007-2021
Member, Search for Chair, Department of Medicine, 2008-2010
Member, Search for Biostatistician, 2009-10
Member, Search for Section Chief/Pediatric Program Director for Human Genetics, 2009-2010
Member, Strategic Planning Committee, Office of the Vice President for Research, 2009-2010
Member, Search Committee, Center for Genomics and Proteomics faculty position, 2010-2012
Member, Academic Oversight Committee, 2011-2021
Member, Search for Chair of Psychiatry & Human Behavior, 2011-2012
Member, Search Committee, Department of Molecular Microbiology & Immunology, 2011-2012
Member, Search Committee, Department of Molecular Pharmacology, Physiology & Biotechnology, 2011-2013
Member, Genomics Core Steering Committee, 2012-2021
Member, Search for Chair, Department of Obstetrics and Gynecology, 2012-2013
Member, Biology Strategic Committee, 2012-2021
Member, Human Genetic Interest Group, 2012-2021
Member, Intellectual Property Review Committee, 2012-2021
Member, Signature Initiative Leadership Team, 2013-2020
Member, Liaison Committee for Chair of Pediatrics Search Committee, 2013-2015
Member, Search for Biomedical Informatician, Department of Molecular & Cell Biology, 2013-2014
Chair, External Advisory Committee, COBRE for Immune-based Interventions Against Infectious Diseases, 2013-2018
Associate Member, Center for Computational Molecular Biology, 2014-2015
Member, Search for Biomedical Informatician, Brown Institute for Translational Science, 2014-2015
Member, Sean Deoni Tenure Committee, 2014
Chair, Search for Clinical Geneticist, Department of Pediatrics, 2014-2015
Member, Data Analysis and Computation Core Task Force, 2015-2020
Member, Search for Division Director of Research, Department of Obstetrics & Gynecology, 2015
Member, Search for Executive Dean for Finance and Administration, 2015
Member, Search for Division Director-Gyn Oncology, Department of Obstetrics & Gynecology, 2016
Member, Search for Chair of the Department of Pathology and Laboratory Medicine, 2016
Member, Brown/Care New England/Lifespan Integrated Biomedical Research Steering Committee, 2016-2018

Member, Internal Advisory Committee, COBRE Computational Biology of Human Disease, 2016-present
Vice-Chair, Medical Faculty Executive Committee, 2016-2018
Chair, Medical Faculty Executive Committee, 2017-2018
Member, MD PhD Executive Committee, 2017-2021
Member, Executive Committee, Stem Cells and Aging COBRE, 2018-2021
Member, Internal Advisory Committee, COBRE Center on Opioids and Overdose, 2019-2021
Member, Search for the Levinger Professor of Cardiovascular Medicine, 2019
Member, Search for Chair of Obstetrics and Gynecology, 2019
Member, Internal Advisory Committee, Center for Addiction and Disease Risk Exacerbation COBRE, 2019-2021
Member, Clinical and Translational Research Academic Oversight Committee, 2019-2021

EDITORIAL BOARD

American Journal of Physiology: Regulatory, Integrative & Comparative Physiology, 1998-2002
The Journal of Pediatrics, 1999-present
American Journal of Reproductive Immunology, 2006-2017
Molecular Reproduction and Development, 2015-present

EDITORIAL REVIEWER

Brain Research
Journal of the Society for Gynecologic Investigation
American Journal of Physiology
The Journal of Clinical Endocrinology & Metabolism
The Journal of Pediatrics
Pediatric Research
Journal of Pharmacology and Experimental Therapeutics
Molecular Psychiatry/Nature
Developmental Biology
Placenta
Acta Paediatrica
European Journal of Pediatrics
American Journal of Reproductive Immunology
Experimental Hematology
Molecular Reproduction and Development
Proceedings of the National Academy of Sciences
Fertility and Sterility
Molecular and Cellular Endocrinology
New England Journal of Medicine
Human Genetics
Genomics Review
Reproductive Sciences
Cellular Physiology and Biochemistry
Biological Psychiatry
Pediatric Dermatology Journal
PLoSOne
PLoSGenetics

Neonatology

MEMBERSHIP IN SOCIETIES

American Public Health Association
American Association for the Advancement of Science
Western Society for Pediatric Research
Society for Pediatric Research
Eastern Society for Pediatric Research
American Physiological Society
American Pediatric Society
Society for Neuroscience
Perinatal Research Society
Council, 1996-98
American Academy of Pediatrics (Section on Perinatal Pediatrics)
European Society for Pediatric Research (affiliate)
American Society for Cell Biology
American Society for Human Genetics

COMMUNITY SERVICE

Board of Directors, Ronald McDonald House of Providence, 2002-2004
Member, Advisory Council for the March of Dimes 2005 Prematurity Summit: “Prematurity – A Focus on Prevention”
Member, Prematurity Task Force, Rhode Island Department of Health, 2005-2011
Member, Birth Centers Regulatory Advisory Committee, Rhode Island Department of Health, 2019-2020

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Padbury JF, Hobel CJ, Diakomanolis ES, Lam RW and Fisher DA: Ontogenesis of beta-adrenergic receptors in the ovine placenta. *Am J Obstet Gynecol* 139(4):459-464, 1981.
2. Padbury JF, Diakomanolis ES, Hobel CJ, Perelman A and Fisher DA: Neonatal adaptation: sympatho-adrenal response to umbilical cord cutting. *Pediatr Res* 15:1483-1487, 1981.
3. Jobe A, Ikegami M, Glatz, T.H., Yoshida, Y., Diakomanolis, E.S. and Padbury JF: The duration and characteristics of treatment of premature lambs with natural surfactant. *J Clin Invest* 67:370-375, 1981.
4. Padbury JF, Hobel CJ, Lam RW. and Fisher DA: Sex differences in lung and adrenal neurosympathetic development rabbits. *Am J Obstet Gynecol* 141(2):199-204, 1981.
5. Padbury JF, Diakomanolis ES, Lam RW, Hobel CJ and Fisher DA: Ontogenesis of tissue catecholamines in fetal and neonatal rabbits. *J Develop Physiol* 3:297-303, 1981.

6. Padbury JF, Roberman B, Hobel CJ and Fisher DA: I. Fetal catecholamines during labor and delivery. The role of fetal acid base status, labor, sex and heart rate patterns at term. *Obstet. Gynecol.* 60:607-611, 1982.
7. Jobe A, Ikegami M, Glatz, T., Yoshida, Y., Diakomanolis, E.S. and Padbury JF: Saturated phosphatidylcholine metabolism and surfactant replacement therapy in premature lambs. *Exp Lung Res* 4:259-267, 1983.
8. Padbury JF, Hobel CJ, Gonzalez FA and Fisher DA: Ontogenesis and sex differences in rabbit fetal adrenal phenylethanolamine N-methyltransferase. *Biol Neonate* 43:205-210, 1983.
9. Klein AH, Reviczky A, Chou P, Padbury JF and Fisher DA: Development of brown adipose tissue (BAT) thermogenesis in the ovine fetus and newborn. *Endocrinology* 112:1662-1666, 1983.
10. Klein AH, Reviczky A, Padbury JF and Fisher DA: Effect of changes in thyroid status on tissue respiration in fetal and newborn sheep. *Am J Physiol* 244:E603-E606, 1983.
11. Padbury JF, Lam RW, Hobel CJ and Fisher DA: Identification and partial purification of phenylethanolamine – methyltransferase in the developing ovine lung. *Pediatr Res* 17:262-267, 1983.
12. Padbury JF, Jacobs HC, Lam RW, Conaway D, Jobe AH and Fisher DA: Adrenal epinephrine and the regulation of pulmonary surfactant release in neonatal rabbits. *Exp Lung Res* 7: 177-86, 1984.
13. Klein AH, Reviczky A and Padbury JF: Thyroid hormones augment catecholamine stimulated brown adipose tissue thermogenesis in the ovine fetus. *Endocrinology* 114:1065-1069, 1984.
14. Newnham JP, Marshall, C.L., Padbury JF, Larn, R.W., Hobel CJ and Fisher DA: Fetal catecholamine release with preterm delivery. *Am J Obstet Gynecol* 149:888-893, 1984.
15. Padbury JF: A straight forward guide to neonatal resuscitation. *Contemporary Ob/Gyn* 24:174-179, 1984.
16. Padbury JF, Polk DH, Newnham JP and Lam RW: Neonatal adaptation: greater sympathoadrenal response in preterm than full-term fetal sheep at birth. *Am J Physiol* 248:E443- E449, 1985.
17. Padbury JF, Ludlow JK, Humme JA and Agata, Y: Metabolic clearance rates and production rates of catecholamines in preterm and term fetal sheep. *Pediatr Res* 20:992-995, 1986.
18. Venkatesh N, Padbury JF and Singh BN: Effects of amiodarone and desethylamiodarone on rabbit myocardial adrenoceptors and serum thyroid hormones -absence of

- relationship to serum and myocardial drug concentrations. *J Cardiovas Pharmacol* 8: 989-997, 1986.
19. Lakshmanan J, Padbury JF, Macaso T, Wang D, Beri U and Fisher DA: Involvement of sympathetic nervous system in thyroxine submandibular gland nerve growth factor and epidermal growth factor responses. *Pediatr Res* 20:232- 237, 1986.
 20. Padbury JF, Klein AH, Polk DH, Lam RW, Hobel CJ and Fisher DA: The effect of thyroid status on lung and heart beta adrenergic receptors in fetal and newborn sheep. *Devel Pharmacol Therapeut* 9:44-53, 1986.
 21. Padbury JF, Lam RW, Polk DH, Newnham JP, Lakshmanan J and Fisher DA: Autoimmune sympathectomy in fetal rabbits. *J Devel Physiol* 8:369-379, 1986.
 22. Agata Y, Padbury JF, Ludlow JK, Polk DH and Humme JA: The effect of chemical sympathectomy on catecholamine release at birth. *Pediatr Res* 20:1338-1344, 1986.
 23. Newnham JP, Lam RW, Hobel CJ, Padbury JF, Polk DH and Fisher DA: Differential response of ovine placental lactogen levels in maternal and fetal circulations following single umbilical artery ligation in fetal sheep. *Placenta* 7:51-64, 1986.
 24. Polk DH, Padbury JF, Callegari CC, Newnham JP, Reviczky A and Klein AH: Effect of fetal thyroidectomy on newborn lambs. *Pediatr Res* 21 :453-457, 1987.
 25. Padbury JF, Ludlow JK, Ervin MG, Jacobs HC and Humme JA.: Thresholds for the metabolic and hemodynamic effects of plasma catecholamines in fetal sheep. *Am J Physiol* 252 (Endocrinol Metab):E530-E537, 1987.
 26. Polk DH, Ervin MG, Padbury JF, Lam RW, Reviczky A and Fisher DA: Epidermal growth factor acts as a corticotropin releasing factor in chronically catheterized fetal lamb. *J Clin Invest* 79:984-988, 1987.
 27. Padbury JF, Agata Y, Baylen BG, Polk DH, Goldblatt E and Pescetti J: Dopamine pharmacokinetics in critically ill newborn infants. *J Pediatr* 110:293, 1987.
 28. Padbury JF, Agata Y, Polk DH, Wang D.L. and Callegari CC: Neonatal adaptation: Naloxone increases the catecholamine surge at birth. *Pediatr Res* 21 :590-593, 1987.
 29. Padbury JF, Agata Y, Ludlow JK, Ikegami M, Jobe A, and Humme J: Effect of fetal adrenalectomy on catecholamine release and physiologic adaptation at birth in sheep. *J Clin Invest* 80:1096-1103, 1987.
 30. Padbury JF, Agata Y, Polk DH, Wang DL, Lam RW and Callegari CC: Catecholamine and endorphin responses to delivery in term and preterm lambs. *Devel Pharmacol & Ther* 11:44-50, 1988.

31. Clyman RI, Teitel D, Padbury JF, Roman C and Mauray F: The role of beta adrenoreceptors stimulation and contractile state in the preterm lamb's response to altered ductus arteriosus patency. *Pediatr Res* 23:316-322, 1988.
32. Martinez AM, Padbury JF, Shames L, Evans C and Humme JP: Naloxone potentiates epinephrine release during hypoxia in fetal sheep: Dose response and cardiovascular effects. *Pediatr Res* 23:343-347, 1988.
33. Padbury JF and Martinez AM: Sympathoadrenal system activity at birth: Integration of postnatal adaptation. *Sem Perinatol* 12:163-172, 1988.
34. Agata Y, Padbury JF, Hiraishi, S., Fujino, N., Horiguchi, Y., Ervin, M. and Yashiro, K.: The effects of adrenalectomy and volume loading on cardiac performance and plasma catecholamine level in newborn lambs. *J Jap Soc Pediatr* 92:2303-2308, 1988.
35. Padbury JF, Martinez AM, Ludlow JK, Evans, C.W. and Thio SL: Radioenzymatic assay for the simultaneous estimation of dobutamine and endogenous catecholamines. *J Clin Chem* 34:2380-2381, 1988.
36. Ervin MG, Padbury JF, Ross MG, Leake RD and Fisher DA: Developmental changes in the adrenergic regulation of fetal arginine vasopressin secretion. *Am J Physiol* 256:(Endocrinol Metab 19):E406-E412, 1989.
37. Padbury JF, Martinez AM, Thio SL, Burnell E and Humme JA: Free and sulfoconjugated catecholamine responses to hypoxia in fetal sheep. *Am J Physiol (Endocrinol Metab)* 257:E198-E202, 1989.
38. Baylen BG, Agata Y, Padbury JF, Ikegami M, Jobe AH and Emmanouilides GC: Hemodynamic and neuroendocrine adaptations of the preterm lamb left ventricle to acutely increased afterload. *Pediatr Res* 26:336-342, 1989.
39. Padbury JF, Habib DM and Martinez AM: Thresholds for the physiologic effects of adrenergic agents: A methodologic appraisal. *J Devel Physiol* 14:115-124, 1990.
40. Martinez AM, Padbury JF, Burnell EE, Thio SL and Humme J: The effects of hypoxia on (methionine) enkephalin peptide and catecholamine release in fetal sheep. *Pediatr Res* 27:52-55, 1990.
41. Habib DM, Padbury JF, Martinez AM, Chappell B, Thio SL and Burnell E: Neonatal adaptation: Cardiac adrenergic effector mechanisms after birth in newborn sheep. *Pediatr Res* 29:98-103, 1991.
42. Martinez AM, Padbury JF, Humme JA, Evans CW and Shames L: Plasma catecholamines and their physiologic thresholds during the first ten days of life in sheep. *J Devel Physiol* 13: 141-146, 1990.

43. Padbury JF, Agata Y, Baylen BG, Ludlow JK, Polk DH, Habib DM and Martinez AM: Dopamine pharmacokinetics in critically ill newborn infants. *J Pediatr* 117:472- 476, 1990.
44. Martinez AM, Padbury JF, Burnell EE and Thio SL: Plasma methionine enkephalin levels in the human newborn at birth. *Biol Neonate* 60:102-107, 1991.
45. Harwell CM, Padbury JF, Anand RS, Martinez AM, Ipp E, Thio SL and Burnell EE: Fetal glucose and catecholamine responses to maternal hypoglycemia, *Am J Physiol(Reg Integr & Comp Physiol* 28):R1126-R1130, 1990.
46. Savich RD, Guerra FA., Lee CH, Padbury JF and Kitterman JA: The effect of acute oligohydramnios on the respiratory system of fetal sheep. *J Appl Physiol* 73(2):610-617, 1992.
47. Chappell BA, Padbury JF, Habib DM, Martinez AM, Thio SL and Burnell E: Pulmonary clearance of norepinephrine in lambs. *Pediatr Res* 29:93-97, 1991.
48. Ervin MG, Castro R, Sherman DJ, Ross MG, Padbury JF, Leake RD and Fisher DA: Ovine fetal renal and hormonal responses to changes in plasma epinephrine, *Am J Physiol (Reg Integr & Comp)* 260:R82-89, 1991.
49. Collins JW Jr., Hoppe M, Brown K, Edidin DV, Padbury JF, and Ogata ES: A controlled trial of insulin infusion and parenteral nutrition in glucose intolerant extremely low birth weight infants with glucose intolerance. *J Pediatr* 118:921-927, 1991.
50. Martinez AM, Padbury JF, Habib DM, Chappell B, Thio S, Burnell E and Humme J: Maturation changes in expression of enkephalin peptides in adrenal and extra-adrenal tissue of fetal and adult rabbits. *Brain Res Bull* 26:935-940, 1991.
51. Padbury JF, Martinez AM, Chappell BA, Oyama K, Stein H and Barberie L: Dopamine clearance may vary. *Pediatr Trauma Acute Care* 3 :47, 1991.
52. Chappell BA, Padbury JF, Martinez AM, Habib DM, Stein H and Oyama K: Cardiovascular effects of SKF 104078 in lambs. *Devel Pharm& Therap* 17:44-51, 1991.
53. Martinez AM, Padbury JF and Thio S: Dobutamine pharmacokinetics and cardiovascular responses in critically ill neonates. *Pediatrics* 89:47-51, 1992.
54. Ballard RA, Ballard PL, Creasy RK, Padbury JF, Polk DH, Bracken M, Moya FR, Gross I and TRH study group. Respiratory disease in very-low-birthweight infants after prenatal thyrotropin-releasing hormone and glucocorticoid. *Lancet* 339:510-515, 1992.
55. Habib DM, Padbury JF, Anas NG, Perkin RM and Minegar C: Dobutamine pharmacokinetics and pharmacokinetics in pediatric intensive care patients, *Crit Care Med* 20:601-608, 1992.

56. Sapien R, Stein H, Padbury JF, Thio S, and Hodge D: Intraosseous versus intravenous epinephrine infusion in lambs: Pharmacokinetics and pharmacodynamics. *Pediatr Emerg Care* 8:179-183, 1992.
57. Oyama K, Padbury JF, Chappell B, Martinez A, Stein H and Humme J: Single umbilical artery ligation-induced fetal growth retardation: effect on postnatal adaptation. *Am J Physiol (Endocrinol & Metab)* 263:E575-E583, 1992.
58. Oyama K, Padbury JF, Martinez A, Chappell B, Stein H, Blount L, and Buhl E: Free and sulfoconjugated catecholamine responses at birth in newborn sheep. *Am J Physiol (Endocrinol & Metab)* 263:E23-E27, 1992.
59. Stein HM, Oyama K, Sapien R, Chappell B, and Padbury JF: Prolonged beta agonist infusion does not induce desensitization or down-regulation of beta adrenergic receptors in newborn sheep. *Pediatr Res* 31 :462-467, 1992.
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395. Shah BA, Migliori A, Lim Y-P, Padbury J: Circulating levels of inter-alpha inhibitor inversely correlates with predictive model for illness severity in neonates with necrotizing enterocolitis, spontaneous intestinal perforation and matched controls. PAS 2016:4160.492.
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399. Xu Y, Liu H, Phornphutkul C, Hardie DG, Dudley SC Jr, Padbury J, Tseng Y-T. A novel PRKAG2 mutation (K475E): infantile-onset hypertrophic cardiomyopathy phenotype and impact on mTOR signaling. AHA Basic Cardiovascular Science 2016, Phoenix, AZ, 2016.
400. Schuster J, Uzun A, Padbury JF: Targeted gene set enrichment of placental transcriptome in preeclampsia. Presented at the American Society of Human Genetics, Vancouver, BC, October 17, 2016.
401. Uzun A, Armanious D, Deragon K, Schuster J, Padbury J: Database for preeclampsia v2.0: Network visualizations and variants. Presented at the American Society of Human Genetics, Vancouver, BC, October 18, 2016.
402. Mercer J, Erickson-Owens D, Deoni S, Dirks H, Tucker R, Collins J, Barcelos M, Parker A, Vohr B, Oh W, Padbury J, Dean D. Effects of placental transfusion on ferritin and brain myelin volume at 4 months of age: A randomized controlled trial. Presented

at the European Society for Paediatric Research, Geneva, Switzerland, October 23, 2016.

403. Benny MK, Mills D, Mao Q, Chu S, Padbury J, DePaepe M: In vitro biological characteristics of extremely preterm versus term umbilical cord-derived mesenchymal stem cells for reversal of neonatal lung injury. Presented at the Pediatric Academic Societies' meeting, San Francisco, CA, May 8, 2017.
404. Mercer JS, Wang M, Padbury J. Effects of delayed cord clamping on infants with intrauterine growth restriction. Presented at the Pediatric Academic Societies' meeting, San Francisco, CA, May 7, 2017.
405. Shah B, Padbury JF, Anderson M, Holick M, Szyld E, Gordon C: Association of circulating 25-hydroxyvitamine D concentrations with neonatal outcomes in extremely low birth weight infants. Presented at the Pediatric Academic Societies' meeting, San Francisco, CA, May 8, 2017.
406. Schuster J, Uzun A, Brigham, M, Stabila J, Padbury J: Transcriptional Profiling of Circulating Exosomes Defines Molecular Phenotypes of Preeclampsia. The 2017 RI NIH IDeA Symposium, Alpert Medical School, Brown University, Providence, RI, June 2, 2017.
407. Uzun A, Armanious D, Deragon K, Schuster J, Padbury J: New features and applications of database for preeclampsia v2.0. The 2017 RI NIH IDeA Symposium, Alpert Medical School, Brown University, Providence, RI, June 2, 2017
408. Alper Uzun, Jessica Schuster, David Armanious, Sarah Tran, Michael Superdock, Gensay Yazici, George Tollefson, Valeria Zarate, James Padbury. Database for Preeclampsia v2.0: New features and applications. Celebration of Pediatric Scholarship, Providence, RI, September 7, 2017.
409. Mori M, Uzun ED, Uzun A, Schuster J, Kishnani P, Padbury J. "Identification of Pathways associated with Pompe Disease Phenotypes and Immunologic Response to Treatment", Celebration of Pediatric Scholarship, Providence, RI, September 7, 2017.
410. Marsit C, O'Shea T, Burt A, Hermetz K, LaGasse L, Pastyrnak S, Neal C, Carter B, Helderman J, McGowan E, Smith L, Soliman A, Hofheimer J, Dellagrotta S, Dansereau L, Padbury J, Lester B: Epigenome-wide analysis identified genes and pathways linked to neurobehavioral variation in preterm infants. Presented at the Pediatric Academic Societies' meeting, Toronto, Canada May 6, 2018.
411. Tollefson G, Schuster J, Raganvendran A, Restrepo I, Stey P, Padbury J, Uzun A: ViVa (Visualization of variants: VCF (Variant Call Format) file visualization tool. Presented at the Rhode Island NIH IDeA Symposium, Providence, RI, June 8, 2018.
412. Armanious D, Schuster J, Istrail S, Padbury J, Uzun A: Proteinarium: Multi-sample protein-protein interaction visualization tool. Presented at Research Day 2018, Department of Pediatrics, Providence, RI, September 12, 2018.

413. Uzun A, Tollefson G, Schuster J, Ragavendran A, Restrepo I, Gelin F, Stey P, Padbury J: ViVa (VISualization of VARIants): VCF (Variant Call format) file visualization tool. Presented at the American Society of Human Genetics, San Diego, CA October 18, 2018.
414. Schuster J, Zarate V, Agudelo A, Felber C, Uzun A, Padbury J: Extracellular vesicles and reproductive health. Presented at the Extracellular Vesicle Symposium, Providence, RI March 28, 2019.
415. Ghazal Aghagoli, Elizabeth Conradt, James F. Padbury, Stephen J. Sheinkopf, Hasmik Tokadjian, Lynne M. Dansereau, Edward Z. Tronick, Carmen J. Marsit, Barry M. Lester: Social stress related epigenetic changes associated with increased heart rate variability in infants. Presented at the Ivy League Undergraduate Research Symposium, Dartmouth College, April 20, 2019.
416. Everson T, Marsit C, Burt A, Hermetz K, Hagood J, Jackson W, Carter B, Helderman J, Hofheimer J, McGowan E, Neal C, Pastyrnak S, Smith L, Soliman A Dellagrotta S, Dansereau L, Padbury J, Lester B, O'Shea. DNA methylation variations associated with medical complications in very preterm infants at NICU discharge. Presented at the Pediatric Academic Societies' meeting, Baltimore, MD, April 27, 2019.
417. Jessica Schuster, Valeria Zarate, Anthony Aguedelo, Cheryl Felber, Alper Uzun, James Padbury. Extracellular vesicles and reproductive health. Presented at the Northeast IDeA Conference (NERIC), Bretton Woods, NH, August 16, 2016.
418. Schuster J, Superdock M, Agudelo A, Stey P, Padbury JF, Sarkar IN, Uzun A. Machine learning approach to literature mining for the genetics of complex diseases. Presented at the American Society of Human Genetics Annual Meeting, San Diego, CA October 16, 2019.
419. Eaton CB, Choudry G, Padbury J, Butka S: Developmental origins of adult obesity, hypertension and obesity-hypertension overlap syndrome: The New England Family Study. Presented at the North American Primary Care Research Group Conference, Toronto, Ontario, Canada, November 17, 2019.
420. Padbury JF, Uzun A, Schuster J. Protein interaction networks define the genetic architecture of preterm birth. Presented at the American Society of Human Genetics Virtual Annual Meeting, October 27-30, 2020.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. Superdock M, Uzun A, Sarkar IN, Padbury JF. Automated text mining to improve the curation of genes associated with complex disease. Poster presented at: The Warren Alpert Medical School of Brown University Summer Research Showcase. 2017 Nov 8; Providence, RI. Brown Digital Repository: <https://repository.library.brown.edu/studio/item/bdr:698122>.

INVITED PRESENTATIONS

Regional

1. Invited Speaker: 18th Annual Care of the Sick Newborn, Memorial Medical Center of Long Beach, CA, and University of California, Irvine. “Combined Hormonal Therapy and RDS” and “Pharmacology of Inotropic Drugs” April, 1993.
2. Invited Speaker, Annual Joint Medicine and Pediatrics Conference, Southern California Kaiser Permanente, Bellflower, CA. “Clinical Pharmacology of Isotropic Drugs” August, 1993.
3. Perinatology/Neonatology Conference, University of Southern California, Torrance, CA. “Update on Clinical Pharmacology of Adrenergic Agents in Neonates” August, 1993.
4. OB/Gyn Grand Rounds, Cedars Sinai Medical Center, Beverly Hills, CA. “New Approaches to Fetal Maturation” June, 1994.
5. Guest Interview, Cable Health Research, Los Angeles, CA “Advances in Fetal Research.” August, 1994.
6. Keynote Speaker, 21st Annual New England Conference on Perinatal Research, Chatham Bars, MA. “Placental Transporters: Cloning and Significance” October, 1995.
7. Invited Speaker, Mead Johnson Community Neonatology Conference, Chatham Bars, MA. “Novel Uses of Surfactant” October, 1995.
8. Guest Speaker, March of Dimes Walk America Corporate Breakfast, Providence, RI. “Mission of the March of Dimes: Why We Walk” January, 1996.
9. Keynote Speaker, New England Perinatal Society Annual Meeting, Woodstock, VM. “A Novel Placental Norepinephrine Transporter is the Site of Action in Cocaine” March, 1996.
10. Invited Speaker, High Risk Mother and Fetus, Anesthetic and Obstetric Management Conference, Providence, RI. “Adaptation of the Newborn: Physiologic and Clinical Aspects” March, 1996.
11. Invited Speaker, Current Concepts in Fetal and Neonatal Care, Newport, RI. “New Strategies for Fetal Maturation” May, 1996.
12. Invited Speaker, Neonatology/Pediatric Conference, Charlton Memorial Hospital, Fall River, MA. “Recent Advances in Respiratory Distress Syndrome” November, 1996.

13. Invited Speaker, Obstetrics & Gynecology Lecture, Charlton Memorial Hospital, Fall River, MA. "New Strategies for Fetal Maturation" April, 1997.
14. Invited Speaker, Symposium on Women's Health Issues, Newport, RI. "Mothers and Babies: High Tech to Warm Touch -- Improving Outcomes for High Risk Mothers and Infants" May, 1998.
15. Invited Speaker: Annual Meeting of the National Perinatal Association, Providence, RI. "Integrated Neonatal Home Care of the High Risk Newborn" November, 1998.
16. Invited Speaker: Neuroscience and Behavior Program Seminar, University of Massachusetts, Amherst, MA. "Placental biogenic Amine Transporters: Cloning, Regulation and Physiological Significance" December, 1998.
17. Guest Faculty, Annual Meeting of the Rhode Island Society for Respiratory Care, Newport, RI. "Expanded Clinical Applications of Surfactant in the Newborn" March, 1999.
18. Invited Speaker, Perinatal Conference at Cape Cod Hospital, Hyannis, MA. "Surfactant Therapy in the Newborn: No Longer Just for Respiratory Distress Syndrome" September, 1999.
19. Keynote Presenter, Brown University School of Medicine, Providence, RI. "Science and Medicine in the 21st Century: What Does It Mean for Brown?" December, 1999.
20. Invited Speaker, Annual Meeting, Rhode Island Academy of Family Physicians "Primary Care Update," Newport, RI. "The Unusual Newborn Exam: Needle in the Haystack or Fly in the Ointment" April, 2000.
21. Invited Speaker, Genetic Influences on Human Behavior Development Conference, Brown University, Providence, RI. "Biogenic Amine Transporters: Behavior, Regulation and Genetics" April, 2000.
22. Invited Speaker, Pediatric Grand Rounds, Landmark Medical Center, Woonsocket, RI. "Micro premature Infants" December, 2000.
23. Invited Speaker, Newborn Medicine Conference at Children's Hospital, Boston, MA. "Developmental Regulation of the Beta₁ Adrenergic Receptor" February, 2001.
24. Invited Speaker, Brown University Molecular & Cell Biology Faculty Retreat, Bristol, RI. "Transcriptional Regulation and Developmental Biology of the β -Adrenergic Receptor" August, 2001.
25. Invited Speaker, Sturdy Memorial Hospital, Attleboro, MA. "Micro-Premies in the New Century: Care and Improving Outcomes" October, 2001.
26. Invited Speaker, Faculty Forums of the Brown University Presidential Inauguration, Providence, RI. "Becoming Human" October, 2001.

27. Invited Speaker, a Baby's Breath.....Clinical Challenges Conference, Providence, RI. "High Frequency Ventilation" October, 2002.
28. Invited Speaker, Brown University Corporation Committee on Biomedical Affairs, Providence, RI. "The New Biology versus the New Medicine" October, 2002.
29. Invited Speaker, The 1st Brown-Linköping Conference on Basic and Clinical Aspects of Reproductive Immunology, Providence, RI. "Placental Neurotransmitter Transporter Proteins and Integration of Placental Neuroendocrine Functions" October, 2002.
30. Guest Faculty, Biomedical Research Day, Brown University. "Developmental Biology of the Beta 1 Adrenergic Receptor or A Corollary to Sutton's Law" April, 2003.
31. Invited Speaker, Pediatric Grand Rounds, Sturdy Memorial Hospital, Attleboro, MA. "Stabilization of the Newborn in Distress" June, 2003.
32. Invited Speaker, "From Fertilization to Fetal Development: Diagnostic and Therapeutic Challenges" ASRI Pre-Congress Symposium, Yale University, New Haven, CT. "Embryogenesis: Developmental Biology Perspective." June, 2003.
33. Guest Speaker, March of Dimes "Citizen of the Year Celebration" honoring Benjamin P. Harris, III, Portsmouth, RI. "March of Dimes NICU Family Support Project" June, 2004.
34. Invited Speaker, COBRE Research Seminar to the Roger Williams Medical Center COBRE for Stem Cell Biology, Providence, RI. "The Beta1 Adrenergic Receptor: Gene Expression, Regulation, Cardiac Growth and Regeneration" August, 2004.
35. Invited Speaker, Charlton Memorial Hospital Neonatology Rounds, Fall River, MA. "Borderline Viability in Premies" January, 2005.
36. Invited Speaker, Eastern Society for Pediatric Research Annual Meeting, Old Greenwich, CT. "Meet the Professors Open Discussion" March, 2005.
37. Invited Speaker, Brown University Commencement Weekend, Providence RI, 5/05. "Millennium Neonatology: Merging Care and Science in the Post Genome Era" May, 2005.
38. Invited Speaker, Cardiovascular Science and Technology Research Retreat, Brown University, Providence, RI. "The Beta-1 Adrenergic Receptor: Expression, Regulation, Cardiac Growth and Regeneration" January, 2006.
39. Guest Speaker, Brown University Faculty Development Workshop, Providence, RI. "Evaluating Mentor Success: Tales from the Trenches," April, 2007.
40. Invited Speaker, Cardiovascular Research Center Data Club, Providence, RI. "Regulation, Cardiac Growth and Regeneration," July, 2007.

41. Guest Speaker, Rhode Island Hospital, Cardiology Fellows lecture, Providence, RI. "Beta-adrenergic Receptors, Cardiac Growth and Regeneration or What's a Developmentalist doing with Stem Cells in the Adult Heart" January, 2008.
42. Invited Speaker, National Institutes of Health/Office of Research on Women's Health National Conference, Providence, RI. "Beyond the Barker Hypothesis: Lifespan Implications of Intrauterine Environment" September, 2009.
43. Keynote Speaker, Rhode Island Research Alliance Symposium, Providence, RI. "Overview: Center Clinical Translational Sciences" October, 2009.
44. Invited Speaker, Pediatric Grand Rounds, Memorial Hospital of RI, Pawtucket, RI. "Millennium Neonatology: Building for the Future" March, 2010.
45. Invited presenter, National Perinatal Information Center Webinar, Providence, RI. "Gentle Growth: The Development of a Single Room Neonatal Intensive Care Unit" July, 2010.
46. Guest Speaker, Rhode Island Hospital Emergency Medicine, Providence, RI. "Research Strategy for K Grant Workshop" April, 2010.
47. Invited Speaker, Brown University, Providence, RI. "Scientific Writing: Key Principles," June, 2011.
48. Invited Speaker, 1st Clinical Reproductive Immunology Symposium, Providence, RI. "Bioinformatics and Preterm Birth" November, 2011.
49. Invited Speaker, Institute for Computational and Experimental Research in Mathematics' Day of Data, Brown University, Providence, RI. "Knowledge-based Informatics and Genetic Approaches to Preterm Birth" May, 2012.
50. Invited Speaker, Mother Infant Research Institute, Tufts University, Boston, MA. "Knowledge-based Informatics and Genetic Approaches to Preterm Birth" June, 2012.
51. Invited Speaker, Southcoast Hospitals Group Pediatric Grand Rounds, Fall River, MA. "Pulse Oximetry Screening for Congenital Heart Disease" September, 2012.
52. Keynote Speaker, Harvard Newborn Medicine Fellows Research Poster Symposium, Boston, MA. "Next Generation Sequencing: What, When, Where, How Much, How Long, So What?" March, 2013.
53. Invited Speaker, Center for Computational Molecular Biology Research Day, Brown University, Providence, RI. "Bioinformatic Approach to Complex Disease" January, 2014.

54. Keynote Speaker, Center for Molecular Epidemiology at Dartmouth External Advisory Committee meeting, Norwich, VT. "Bioinformatic Approach to Genetics of Preterm Birth" May, 2014.
55. Invited Speaker, Inauguration of Pediatric Newborn Medicine Unit, Brigham & Women's Hospital, Boston, MA. "Lessons Learned in Building a State-of-the-Art NICU" September, 2014.
56. Invited Presenter, Annual Meeting of the Women & Infants Development Foundation, Providence, RI. "The Women & Infants Single-Family Room NICU Model" November, 2014.
57. Invited Speaker, Brown University Pulmonary, Critical Care & Sleep Medicine Research Conference, Providence, RI. "Next Generation Sequencing: What, When, How Much, How Long, So What?" December, 2014.
58. Invited Speaker, New England Regional Genetics Group Annual Meeting, Portsmouth, NH. "Identifying Immunodeficiency in Newborns: Screening and Signs" December, 2014.
59. Invited Speaker, Brown University Commencement, Providence, RI. "The Importance of a Great Start" May, 2015.
60. Invited Presenter, Alpert Medical School Campaign Education Session for University Fundraisers, Providence, RI. "Genetics and Personalized Medicine" January, 2016.
61. Invited Presenter, Alpert Medical School Alumni Association and Alumni /Student Networking Event, Providence, RI. "Genetics and Personalized Medicine, February 6, 2016.
62. Invited Speaker, Public Health Academic Working Group of the RI Department of Health, Providence, RI. "Rhode Island Center for Clinical Translational Science." September 26, 2016.
63. Invited Speaker, American Cancer Society Cancer Action Network Rhode Island Research Breakfast, Providence, RI. "Rhode Island Center for Clinical and Translational Science." October 14, 2016.
64. Invited Speaker, Care New England Research Fund Workshop, Providence, RI. "Setting Yourself Apart from the Competition: A Panel Discussion." October 23, 2016.
65. Invited Speaker, Women & Infants Hospital Foundation, Providence, RI. "Rhode Island Center for Clinical and Translational Science" November 8, 2016.
66. Invited Presenter, Rhode Island Hospital Department of Orthopaedics, Providence, RI "Epigenetics: A window into the past and a look at the future" December 14, 2016.

67. Invited Speaker, Mead Johnson Nutritionals for the Brown Yale University of Connecticut Annual Meeting, Old Saybrook, CT. “Genomics 101” March 8, 2017.
68. Invited Participant, Panel Discussion at the Rhode Island Institutional Development Award Symposium, Providence, RI. “Decoding the NIH COBRE: How to write a competitive proposal: May 26, 2017.
69. Invited Participant, Research Roundtable for Clinical Translation Research Center and Brown Center for Biomedical Informatics at the Data Science Initiative Launch, Brown University, Providence, RI September 19, 2017.
70. Invited Speaker, MedMates after Hours Networking Event at Brown University. The title of his presentation was “Building a Foundational Model to Understand Major Health Needs,” December 19, 2017.
71. Presenter, 2018 Rhode Island NIH IDeA Symposium, Providence, RI “COBRE Sustainability: Lessons from our Local Experiences,” June 8, 2018.
72. Visiting Professor, Vincent Center for Reproductive Biology, Massachusetts General Hospital, Boston, MA. “Metagenomic approach to the genetics of preterm birth. June 11, 2018.
73. Presenter, Department of Pediatrics Grand Rounds, Rhode Island Hospital, Providence, RI. “Genomics 101, or, Its Not Your Parents Medicine Anymore,” September 28, 2018.
74. Presenter, Rhode Island Department of Health Birth Centers Regulatory Advisory Committee, Providence, RI. “The Need for Neonatal Resuscitation,” February 27, 2019.
75. Presenter, Reproductive Biology & Women’s Health Seminar Series, Women & Infants Hospital, Providence, RI. “Genetics of Preterm Birth: A Window into Complex Disease Genetics,” April 23, 2019.
76. Presenter, Brown Office of Graduate and Postdoctoral Studies Research Integrity Course, Providence, RI “The Role of the Scientist in Society,” September 30, 2019.
77. Presenter, Women’s Reproductive Health Research Career Development Program Seminar, Women & Infants Hospital, Providence, RI. “Making the Connection: Integrating the Scholars’ Research Programs with Translational Research Resources through the IDeA-CTR,” November 19, 2019.
78. Presenter, Rhode Island Department of Health, Providence, RI. “Newborn Screening for Spinal Muscular Atrophy due to Homozygous Deletion of Exon 7 in SMN1 (SMA),” December 11, 2019.
79. Presenter, Department of Pediatrics Grand Rounds, Rhode Island Hospital, Providence, RI. “Genetics of Preterm Birth: A Window into Complex Disease Genetics,” May 29, 2020.

80. Presenter, RI-INBRE Virtual Seminar Series, Providence, RI. “Genetics of Preterm: A Window into Complex Disease Genetics,” June 18, 2020.
81. Presenter, COBRE for Stem Cells & Aging, Providence, RI. “Protein Interaction Networks Define the Genetic Architecture of Complex Diseases like Preterm Birth.” September 28, 2020.
82. Presenter, Reproductive Biology & Women’s Health Seminar Series, Women & Infants Hospital, Providence, RI. “Genetics of Preterm Birth: A Window into Complex Disease Genetics,” January 19, 2021.

National

1. Visiting Professor: Pediatric Grand Rounds, University of Michigan, Ann Arbor, MI. “New Approaches to Hormonal Control of Fetal Maturation.” February, 1993.
2. Invited Speaker, Gordon Conference, Plymouth, New Hampshire “Unique Aspects Fetal/Neonatal Catecholamine Turnover” May, 1993.
3. Visiting Professor, Grand Rounds, Brown University, Providence, RI. “New Approaches to Fetal Maturation” March, 1994.
4. Invited Speaker, Wake Forest University, Bowman Gray School of Medicine, Winston-Salem, NC. “Developmental Biology and Transcriptional Regulation of the β 1 Adrenergic Receptor” March, 1998.
5. Invited Speaker: NICHD-Sponsored Special Session at the Annual Fetal and Neonatal Physiological Society entitled “Prenatal Influences on Early Postnatal Life,” Lake Arrowhead, CA. “Multiple-Dose Glucocorticoids in Ovine Pregnancy: Effects on the Fetus and Newborn” and “Glucocorticoid Response Element (GRE) Characterization in the Ovine β 1 Adrenergic Receptor (β 1AR) Gene Promoter” September, 1998.
6. Invited Speaker: Jerry Elliott Memorial Lecture, sponsored by Mead Johnson Nutritionals, South Central Conference on Perinatal Research, Austin, TX. “Developmental Biology and Transcriptional Regulation of the Ovine β 1 Adrenergic Receptor” October, 1998.
7. Invited Speaker, Mead Johnson Nutritionals Perinatal & Developmental Medicine Symposium, Aspen, CO. “Physiological Adjustments during the Transition to Postnatal Life” and “Developmental Biology and Transcriptional Regulation of Adrenergic Receptors” June, 2000.
8. Invited Speaker, Consensus Development Conference on Antenatal Corticosteroids Revisited: Repeat Course, National Institutes of Health, Bethesda, MD. “Glucocorticoids and Normal Development” August, 2000.

9. Invited Speaker, Division of Neonatology, University of New Mexico School of Medicine, Albuquerque, NM. "Transcriptional Regulation and Development Biology of the Beta₁ Adrenergic Receptor" February, 2002.
10. Invited Speaker, 2002 Cincinnati Nearest, Children's Hospital Medical Center, Cincinnati, OH. "Importance of Catecholamines to the Newborn" March, 2002.
11. Invited Speaker, Congress on Beta Agonists, Miami, FL. "Molecular Interactions between Glucocorticoid and Catecholamine Signaling Pathways" April, 2002.
12. Invited Speaker, Pediatric Grand Rounds, Medical University of South Carolina, Charleston, SC. "Beta 1 Adrenergic Receptor: Expression, Regulation and Role in Cardiac Development" April, 2002.
13. Invited Speaker, NICHD Colloquia, and Scientific Issues in Implementing Best Pharmaceuticals for Children Act (BPCA), Washington, DC. "Neonatal Pharmacokinetics and Pharmacodynamics of Dobutamine and Dopamine" November, 2003.
14. Invited Speaker, New York Medical College/Westchester Medical Center, Valhalla, NY. "Clinical Pharmacology of Adrenergic Agents" and "Developmental Regulation and Role of Beta₁ Adrenergic Receptors" September, 2004.
15. Guest Speaker, 28th Annual International Conference, Neonatology 2004", University of Miami School of Medicine, Miami, FL "Millennium Neonatology in the Post Genome Era" and "Pharmacology of Adrenergic Agents in the Newborn" November, 2004.
16. Visiting Professor, COBRE Delaware – Center for Pediatric Research, Wilmington, DE. "The β ₁-Adrenergic Receptor: Gene Expression, Regulation, Cardiac Growth and Regeneration" October, 2005.
17. Visiting Professor, Children's Hospital of Pittsburgh, Pittsburgh, PA. "The β ₁-Adrenergic Receptor: Gene Expression, Regulation, Cardiac Growth and Regeneration" November, 2005.
18. State of the Art Lecturer, 22nd Annual Interdisciplinary Neonatal Nutrition and Gastroenterology Symposium, Key Biscayne, FL. "Nutrigenomics" Nutrient Regulation of Gene Expression" December, 2005.
19. Visiting Professor, Washington University School of Medicine at St. Louis Children's Hospital, St. Louis, MO. "Beta-Adrenergic Receptors, Cardiac Growth and Regeneration of What's a Developmentalist doing with Stem Cells in the Adult Heart?" November, 2007.
20. Invited Speaker, National Association of Children's Hospitals and Related Institutions (NACHRI) and National Association of Children's Hospitals (NACH) Creating Connections Conference, Miami, FL. "Neonatal Medical Evidence and Design Implementation" March, 2008.

21. Keynote Speaker, Nemours Biomedical Research Center 4th Annual COBRE Retreat, Wilmington, DE. “COBRE Type 1 to Type 2 Transition: Do’s and Don’t Dos.” September, 2008.
22. Invited Speaker, National Institutes of Health National Advisory Research Resources Council, Bethesda, MD. “National Association of Idea Program Investigators (NAIPI) Website and Communications” May, 2009.
23. Invited Speaker, National Association of Children’s Hospitals and Related Institutions (NACHRI) Annual Leadership Conference, Minneapolis, MN. “Millennium Neonatology: Building for the Future” October, 2010.
24. Invited Speaker, Annual Symposium “Advances and Controversies in Neonatal Medicine” Vanderbilt University, Nashville, TN. “Beyond the Barker Hypothesis: Placental Epigenetics, a Window on Fetal Life” and “Preterm Birth: A Novel Bioinformatics and Genomics Approach” October, 2010.
25. Invited Speaker, 24th Annual Gravens Conference on the Physical and Developmental Environment of the High Risk Infant in Collaboration with the March of Dimes, Clearwater, FL. “TEST PILOT” and “Millennium Neonatology: Building for the Future” January, 2011.
26. Invited Speaker, Johns Hopkins University Pediatric Grand Rounds and Baltimore Citywide Neonatal Conference, Baltimore, MD. “Preterm Birth: Insights from Genome-Wide Association Studies and Knowledge Based Bioinformatics” and “Beyond the Barker Hypothesis: Placental Epigenetics, a Window on Fetal Life” November, 2011.
27. Visiting Professor, Women and Children’s Hospital, Buffalo, NY. “Millennium Neonatology: Building for the Future” and “Knowledge-based Bioinformatic and Genetic Approaches to Preterm Birth” October, 2012.
28. Guest Faculty, Reproductive Scientists Development Program Scholars’ Research Conference, Boulder, CO. “Knowledge-based Bioinformatic and Genetic Approaches to Preterm Birth” October, 2012.
29. Invited Speaker, Institute for Computational and Experimental Research in Mathematics Day of Data, Providence, RI. “Knowledge Based Bioinformatics and Genetic Approaches to Preterm Birth” May, 2012.
30. Invited Speaker, 26th Annual Gravens Conference on the Physical and Developmental Environment of the High Risk Infant in Collaboration with the March of Dimes, Clearwater, FL. “Neurobehavioral Outcomes of Infants in Single-Family Room Care” February, 2013.
31. Invited Speaker, Genomics Core and Illumina Next Generation Sequencing Symposium, Providence, RI. “Bioinformatic Approach to Complex Disease” June, 2013.

32. Guest Speaker, Lifespan Department of Hematology Oncology, Visiting Professor Lecture, Providence, RI. “Knowledge-based bioinformatics and genetic approaches to preterm birth” June, 2013.
33. Invited Speaker, Plenary Session, Annual Meeting of the Eastern Society for Pediatric Research, Philadelphia, PA. “Next Generation Sequencing: What, When, Where, How Much, How Long, So What?” March, 2014.
34. Invited Speaker, Hot Topics in Neonatology, Washington, DC. “Millennium Neonatology: Building for the Future” December, 2014.
35. Invited Platform Presentation, Pediatric Academic Societies Annual Meeting, San Diego, CA. “Metagenomic approaches to preterm birth” April, 2015.
36. Invited Moderator, Pediatric Academic Societies Annual Meeting, Baltimore, MD “Genetics and inborn errors of metabolism” May, 2016.
37. Invited Speaker, American Society for Reproductive Immunology Annual Meeting, Baltimore, MD “Targeted sequencing and meta-analysis of preterm birth” November, 2016.
38. Invited Moderator, Pediatric Academic Societies Annual Meeting, San Francisco, CA “Early Life Epigenetics: Optimizing the early life environment for long term birth” May, 2017.
39. Invited Speaker and Moderator, Neonatal Cardiopulmonary Biology Young Investigators Forum, Chicago, IL “Developmental biology of a physician scientist” September, 2017.
40. Invited Speaker, National Institute of General Medical Sciences IDeA Program Virtual Meeting “Improving testing uptake and the understanding of SARS-CoV-2 outcomes among Latinx populations” September 2020.

International

1. Invited Speaker, Society for Study of Fetal Physiology, Cairns, Australia. “Placental Norepinephrine Transporter: In Vivo Measurement and Physiological Role” August, 1994.
2. Invited Speaker, Thorburn Symposium, Hamilton Island, Australia. “Cloning and Sequence Analysis of Ovine B1 Adrenergic Receptor and 5' Flanking Sequence” August, 1994.
3. Invited Speaker, 5th Congress of the European Society for Developmental Pharmacology, Pécs, Hungary. “Clinical Pharmacology of Adrenergic Agents in the Newborn and Pediatric Patients with Particular Reference to the Septic Shock Syndrome” May, 1996.

4. Invited Speaker, University of Toronto, Department of Molecular Medicine & Medical Genetics, Toronto, Canada. “Developmental Biology and Transcriptional Regulation of the β 1 Adrenergic Receptor” April, 1998.
5. Invited Speaker, The 5th Congress of the Latin American Society for Perinatal Medicine, Santo Domingo, Dominican Republic. “Site of Action of Cocaine on the Fetus: Clinical and Molecular Biology”; “Nitric Oxide and Respiratory Failure in the Newborn”; “Prenatal Steroids: Lessons from Animal and Human Studies” August, 1998.
6. Guest Lecturer, Conference on Cardiovascular Disorders in the Newborn and Infant, Benediktbeuren, Germany. “Hemodynamic and Physiologic Adaptation at Birth”; “Clinical Pharmacology of Adrenergic”; “Cardiovascular and Metabolic Responses to Glucocorticoids in Low Birthweight Infants” July, 2002.
7. Guest Faculty, XIX Nordic Congress of Perinatal Medicine, Lund, Sweden. “Placental Transport and Regulation of the Fetal Neuroendocrine Environment” May, 2005.
8. Invited Speaker, 32nd Annual Fetal and Neonatal Physiological Society Meeting, Adelaide, South Australia. “Armed Stem Cells Delivered to Injured Myocardium Restore Function and Assume Elements of the Gen Program Regulating Fetal-Neonatal Cardiomyocyte Proliferation” ; “Role of Beta1-Adrenergic Receptor (β 1AR) Pi3K/p70S6k Signaling in the Regulation of Neonatal Cardiomyocyte Proliferation” ; “Activation of H9C2 Cell Proliferation by β -Adrenergic Receptors (AR) via Involvement of Pi3K Signaling Pathway” September, 2005.
9. Invited Speaker, 12th International Federation of Placenta Associations, Kobe, Japan. “Placental Programming and Intrauterine Stress” September, 2006.
10. Invited Speaker, Design & Health 5th World Congress and Exhibition, Glasgow, Scotland. “Neonatal Medical Evidence and Design Implementations” June, 2007.
11. Invited Speaker, 13th Annual Meeting of the International Federation of Placenta Associations, Toronto, Canada. “Chromatin Remodeling as a Mechanism for Placental Gene Programming” August, 2007.
12. Invited Speaker, Fifth International Symposium on Genetics, Health and Disease, Guru Nanak Dev University, Amritsar, India. “Epigenetics: Fetal Programming & the Origins of Adult Disease” and “How to Fix a Broken Heart” February, 2008.
13. Invited Speaker, Joint International Congress of the American Society for Reproductive Immunology and the European Society for Reproductive Immunology, Hamburg, Germany. “Placental Epigenetics, a Window on Fetal Life” June, 2012.
14. Invited Speaker, Norwegian Pediatric Society Annual Meeting, Oslo, Norway. “Family-Centered Care in Neonatology” January, 2016.

15. Invited Speaker, Oslo University Hospital, Oslo, Norway. “Meta-Genomic Approaches to Preterm Birth” January, 2016.

RESEARCH GRANTS

Completed (Annual Award Direct Costs):

1. Catecholamine Physiology and Newborn Adaptation
1 R01 HD 18014
NICHD
8/84-7/87
Principal Investigator
2. Basil O'Connor Research Grant
March of Dimes
9/84-6/87
Principal Investigator
3. Opiate Peptides in Fetal Sheep: Ontogeny & Physiology
1 R01 HD 22003
NICHD
Principal Investigator
4. Catecholamine Physiology and Newborn Adaptation
2 R01 HD 18014
NICHD
8/87-7/92
Principal Investigator
5. Investigative Group Fellowship
881 1G-5
American Heart Association
\$432,000 - 4/88-4/94
Principal Investigator/Group Leader.
6. Dobutamine Pharmacokinetics and Cardiovascular Responses in Neonates
Eli Lilly Inc.
7/88-6/90
Principal Investigator
7. New Strategies to Mature the Premature Fetus
1 P50HD29713
Perinatal Emphasis Research Center
\$392,025 - 4/93-4/98
Sub-Project Principal Investigator
8. Neurochemical Effects of Cocaine in Fetal Sheep
1 R01 DA 07753
NIH/NIDA
\$331,740 - 7/93-7/96
Principal Investigator

9. Fetal Maturation of the Baboon
R10-HL 52635-01
NICHD
\$543,637 - 7/94-6/99
Co-Investigator

10. The Biological Basis for Perinatal Transition
2 PO1 HD11343
NICHD
\$660,720 - 7/96-6/03
Program Director
Subproject III, Developmental Regulation of the β 1 Adrenergic Receptor Gene
Principal Investigator

11. Hormonal Regulation of Brain Maturation
1R01-HD/NS3461801A1
NIH
\$152,002 - 7/97-6/01
Co-Investigator

12. Perinatal Biology Training Grant
5 T32 HD 007511-05
NIH
\$453,454 - 7/99-6/04
Program Director

13. Polymorphisms in IL-10 Locus Predispose to Preterm Birth
1 R01 HD041701
NICHD
\$1,290,018 - 9/1/02-8/31/07
Co-Principal Investigator

14. Kilguss Research Institute
PL107-116#1 C76HF-00362
USDHS Health Resources Services Administration
9/18/01-12/10/01
Project Director

15. Therapeutic Use of Inter-Alpha Inhibitors in Sepsis
2R44GM065667-02
NICHD
\$517,5463/01/04 – 2/28/05
Co-Investigator

16. Center of Biomedical Research Excellence (*COBRE*)
1P20 RR018728-01
NIH NCRR

- \$1,570,000/yr., 10/01/03 – 9/30/08
Program Director
17. Inter-alpha-inhibitors in Neonatal Sepsis
1R21HD047600-01
NIH/NICHHD
\$213,180 - 01/01/04-12/31/06
Co-Investigator
18. Immune Programming of Gestational Diabetes
1-04-TLG-14
Gregg Diabetes in Pregnancy Award, American Diabetes Association
\$100,000/yr. - 12/01/03-11/30/06
Co-Investigator
19. Role of the BBB and Choroid Plexus in VP-mediated Edema
R01 NS049479
NIH/NINDS
\$356,300 - 06/01/05-05/30/09
Collaborator
20. Prenatal Smoking, Fetal Behavior and Infant Withdrawal
R01 DA019558-02
NIH/NIDA
\$2,250,000 - 06/01/05-05/31/12
Co- Investigator.
21. Maternal Depression Placental HPA Regulation & Fetal-Neonatal Stress Response
R01 MH079153-01A1
NIH/NIMH
\$3,420,656 - 09/01/07-08/31/14
Co-Principal Investigator
22. Cytokines and the Blood Brain Barrier in the Ovine Fetus
R01HD057100
NIH
\$204,961 - 04/20/08-03/31/13
Collaborator
23. Preterm Birth: A Novel Bioinformatics and Genomics Approach
#21-FY08-563
National Foundation March of Dimes
\$300,882 - 03/01/2009-02/28/2012
Principal Investigator
24. Shared High-Throughput DNA Sequencer for the Brown University Community
1S10RR027634-01
NCRR Shared Instrumentation Grant

- \$498,000 - 04/01/10-03/31/11
Co-Principal Investigator
25. COBRE Center for Cancer Signaling
1P30RR031153-01A1
Networks Pilot Project
\$1,133,158 - 07/01/11-03/31/12
Co-Principal Investigator
26. Engineering Replacement Tissues with Amniotic Stem Cells
DOD USAMRMC NO:09192005
\$1,401,000 - 09/01/10-08/30/12
Co-Principal Investigator
27. Protective Effects of Delayed Cord Clamping
R01NR010015
NIH
\$403,684 - 02/01/10- 01/31/13
Collaborator
28. 18 Month Follow Up of Preterm Infants Enrolled in the Cord Clamping Study
Thrasher Research Fund
\$95,082 - 09/01/11-08/31/14
Collaborator
29. Maternal smoking: HPA and epigenetic pathways to infant neurobehavior deficits
1R01DA031188
NIH
\$557,398 - 08/15/11-04/30/16
Co-Investigator
30. Fetal Genetic Contributions to Preeclampsia
R21 HD070177
NIH
\$371,106 - 04/01/12-03/31/14
Co-Investigator
31. Effects of Placental Transfusion on Early Brain Development
#OPP1061070
Gates Foundation
05/01/12 – 10/31/13
Collaborator
32. Rapid Detection of Neonatal Sepsis
R43 HD069243
NIH
\$247,295 - 09/01/12-08/31/14
Co-Principal Investigator

33. Critical Congenital Heart Disease Newborn Screening Demonstration Program
 HRSA 9370, NIH
 \$150,000 - 06/01/12-05/31/15
 Co-Principal Investigator
34. Epigenetics in Neurodevelopment and Mental Health
 1R01MH094609-01
 NIMH
 \$511,869 - 09/06/11 – 06/01/16
 Co-Investigator
35. Bioinformatics and Directed Resequencing in Preterm Birth
 #21-FY14-154
 National Foundation March of Dimes
 \$157,000 - 03/01/14-02/28/17
 Principal Investigator
36. Effects of Placental Transfusion on Early Brain Development
 R01HD076589
 HRSA
 In-Kind 10/01/12-06/30/17
 Co-Investigator
37. Adrenal function and adverse CV outcomes at age 6 after extremely preterm birth
 R01HL117764
 NHLBI
 \$398,621 - 07/07/13-06/30/17
 Co-Investigator
38. Generalizing TESTPILOT
 1 R18 HS023460-01
 NIH
 \$160,000 – 09/01/14 – 08/31/17
 Advisory Team
39. Epigenetic Predictors of Impairment in Very Preterm Infants
 1 R01 HD081545
 NIH
 In-Kind 08/01/16 – 07/31/18
 Co-Investigator

Current (Annual Award):

1. COBRE in Perinatal Biology
 P30GM114750
 NIH-NIGMS

- \$24,637 - 04/01/15-03/31/20 (NCE)
Deputy Program Director
2. COBRE Computational Biology and Human Disease
P20 GM109035
NIGMS
\$16,593 – 06/01/16 – 02/28/21
Mentor
 3. RI Center for Clinical and Translational Sciences Award (IDEA CTR)
U54GM115677
NIH-NIGMS
\$2,777,797 - 07/01/2016 – 04/30/2021
Principal Investigator
 4. Environment Influences on Neurodevelopmental Outcome in Infants Born Very Preterm (ECHO)
1 UG3OD023347-01
NIH
\$1,261,136 - 07/01/2016 – 06/30/2025
Co-Investigator
 5. COBRE for Reproductive Health
P20 GM121298
NIGMS
\$1,500,000 – 03/01/17 – 02/28/2022
Mentor
 6. COBRE for Stem Cells and Aging
1P20GM119943-01A1
NIGMS
\$2,039,587 – 07/01/17 – 6/30/22
Mentor
 7. Rapid Test to Assist Therapy in Neonatal Sepsis and Necrotizing Enterocolitis
4R44AI141283-02
NIH
\$185,466 – 05/03/19 – 4/30/21 (NCE)
Co-PI
 8. Hypertensive Disorders of Pregnancy and Subsequent Risk of Vascular Dementia, Alzheimer’s Disease or Related Dementia: a Retrospective Cohort Study Taking into Account Mid-Life Mediating Factors
1K01AG058791-01A1
\$124,188 - 09/01/20 – 04/30/21
Mentor

POSTDOCTORAL TRAINEES:

Youtaro Agata, M.D., 1985-1988
Alma Martinez, M.D., M.P.H., 1988-1991
Carla Harwell, Ph.D., 1989-1992
Barbara Chappell, M.D., 1990-1993
Kotaro Oyama, M.D., 1991-1994
Howard Stein, M.D., 1991-1993
Lisa Bzoskie, M.D., 1992-1995
Yi-Tang Tseng, Ph.D., 1995-1997
Lindsay A. Worrell, M.D., 1995-1998
Tien T. Nguyen, Ph.D., 1997-2002
Theresa C. McNab, M.D., 1997-2000
Rajan Wadhawan, M.D., 2000-03
Yong-Wook Baek, M.D., 2001-2003
Kultar Singh, M.D., 2002-2005
Vlad D. Ianus, M.D., 2003-2006
Ting C. Zhao, Ph.D., 2004-2008
Hala Chaaban, M.D., 2006-2009
Alper Uzun, Ph.D., 2009-2012
Carolyn Banister, Ph.D., 2011-2012
Yuexin Ren, Ph.D., 2011-2012
Birju Shah, M.D., 2012-2015
Jessica Schuster, Ph.D., 2014-2017

UNIVERSITY THESIS COMMITTEE SERVICE

Graduate Program in Molecular & Cell Biology:

Thomas Bush, Committee Chair, Graduation, PhD 2002
Ekaterina Voronina, Committee Member, Graduation, PhD 2003
Jennifer Sanders, Committee Member, Graduation, PhD 2005
Kathryn Coser, Committee Member, PhD Candidate, thesis preparation ongoing

Graduate Program in Molecular Pharmacology and Physiology:

Cindy Park, Committee Member, Graduation, PhD 2014

Graduate Program in Pathobiology:

Magdalena Chrostowski, Thesis/Research Advisor, PhD 2009
Ashley Smith, PhD candidate, rotation advisor, 2008
Ann Catherine Saunders, Thesis/Research Advisor, PhD 2015

Graduate Program in Pathobiology Thesis:

Shaun Murphy, Committee Member, Graduation, PhD 2006
Rhonda Simper, Committee Chair, Graduation, PhD 2006
Rebecca Rozich, Committee Chair, Graduation, PhD 2006
Stephanie Beall, Committee Member, Graduation, MD- PhD 2006

Jade Carter, Committee Member, Graduation, PhD 2008
Jessica Thaxton, Committee Member, Graduation, PhD 2009
Bonnie Lau, Committee Chair, Graduation, PhD 2009
Matthew Maccani, Graduation, PhD 2010
Jenna Morris-Love, Committee Member, thesis preparation ongoing

Graduate Program in Applied Mathematics:

Jessica Nadel Schuster, Committee Member, PhD 2014

Graduate Program in Computational Molecular Biology:

David Glidden, Committee Member, PhD 2020

Masters in Medical Science Thesis/Research Advisor:

Kathy Ponder, Graduation, MS 2010

Masters Thesis Committee Member:

Rachel D. Rogers, Graduation, MS 2008

Babatunde Olgun, Graduation, MS 2008

Master's in Public Health Thesis/Research Advisor:

Alyse Laliberte, MPH 2012

Sean Deoni Tenure Committee, Member 2014

BIOMED 195/196, (RESEARCH HONORS COURSE STUDENTS)

Sumona Saha 1997-98

Gordon Li 1998-99

Risha Kopel 1999-00

Adam Rojan 2000-01

Leela Davies 2003-2005

Jennifer Bauer 2005-2006

Kathryn Ponder 2006-2007

Rosalind Bogan 2007-2008

Ralph Cabezas 2011-12

Jenna Tavormina 2011-12

Joy Liu, 2011-2012

Rachel Ochiogrosso, 2011-2012

Burton Shen, 2013-2014

Kelly Migliori 2015-16

Sarah Tran 2016-2018

Michael Superdock 2017-2019

Elizabeth Geena Woo 2019-2020

Hannah Deppe (2020-2021)

Oluwafunto Tolu Oluokun (2020-2021)

LEADERSHIP ALLIANCE SUMMER RESEARCH EARLY IDENTIFICATION PROGRAM: FACULTY MENTOR

Dominique Robertson, 2006
Erin Yarborough, 2008
Keaira Berry 2009
Amber Anders 2010
Jesus Ayala Figueroa, 2012

UNIVERSITY/HOSPITAL TEACHING ROLES

1980-94	M-201	Sophomore Medical Students: Physical Diagnosis
1980-94	PE-013	Pediatric Clerkship (Jr. Medical Student Rotation)
1980-94	PE-308	Adv. Clinical Clerkship (Sr. Medical Student Externship)
1980-94	PE-311	Neonatology-Perinatology (Sr. Medical Student Externship)
1980-94	PE-317	Neonatal Management (Sr. Medical Student Externship)

CLINICAL SERVICE

Neonatal Intensive Care Unit Attending; 3 months/year
Intermediate Newborn Intensive Care Attending; 1 month/year

UNIVERSITY/HOSPITAL TEACHING

Organizer Annual Neonatal Resuscitation Workshop Advanced Neonatal Life Support; 1980-1994.
Pediatric Grand Rounds. Harbor-UCLA: annually.
Research Seminar - Developmental Biology Group - UCLA "Neuroendocrine Maturation of the Fetus." 6/17/93
Pediatric Grand Rounds. UCLA: annually.
Perinatal Biology Seminar. Harbor-UCLA: tri-annually.
OB-Gyn Residents Conference. Harbor-UCLA: bi-annually.
Anesthesia Grand Rounds. Harbor-UCLA: annually.
Critical Care Nurses Course. Harbor-UCLA: annually.
Pediatric Residents Conference on Circumcision: annually.
Pediatric Grand Rounds, Rhode Island Hospital, annually
Pediatric Research Colloquium, Women & Infants' Hospital, annually
Perinatal Biology Seminar, Women & Infants' Hospital, annually
Research Journal Club, Rhode Island Hospital, annually
Perinatal Management Conference, Women & Infants' Hospital, bi-annually
Perinatal Outreach Seminar, Pawtucket Memorial Hospital, 10/95
Neonatal Core Pathophysiology Lecture, Women & Infants' Hospital, bi-annually
Molecular & Cell Biology Journal Club, Brown University, 1/96

Pathobiology Seminar, Brown University, annually
 Perinatal Management Conference, Brockton Hospital, 6/96
 Program in Molecular, Cell Biology & Biochemistry Lecture, Brown University, 12/97
 NE 102, Neuroscience Course to medical students, Brown University, bi-annually
 Neonatal-Perinatal Clerkship course to medical students, Brown University, bi-annually
 Introduction to Clinical Medicine course to medical students, Brown University, annually
 Neuroscience Lecture, Brown University, 4/98, 12/98
 Obstetric Medicine Weekly Conference, Women & Infants Hospital, 10/98
 Multidisciplinary Antenatal Diagnosis & Management Conference, Women & Infants Hospital, annually
 Pediatric Resident Teaching Conference, Hasbro Children's Hospital, annually
 Maternal-Fetal Medicine Fellows' Lecture Series, annually
 Neonatal Fellows Lecture Series, annually
 Obstetric & Gynecology Grand Rounds, Women & Infants Hospital, 6/99, 1002, 6/04, 6/06, 7/10
 Department of Pathology Teaching and Research Rounds, Brown University, 4/00
 Department of Molecular Pharmacology, Physiology & Biotechnology Seminar, Brown University, 4/00
 Bio 285, Introduction to Pathobiology Faculty Research, 10/00, 10/01, 12/04
 Molecular & Cell Biology Data Club, 1/02
 BioMed 232, Biology of Reproduction, 2/02
 Faculty Development Workshop, 3/02
 Biomedical Research Day Keynote Speaker, 4/03
 BioMed 203, Advanced Cellular Neurobiology, 10/04
 Panel Discussant, Brown University Faculty Development Workshop "Developing your Research/Academic Career, 3/04
 Panel Discussant, "Whole Physicians Program" for PLME Students, 4/04
 Research Rounds, Department of Pathology and Laboratory Medicine, "Transcriptional Regulation of the Beta 1 Adrenergic Receptor and its Function in the Adult Heart" 4/04
 BioMed 117, Histology and Physiology of Cells, Tissues and Organ Systems, 9/04.
 BioMed 285, Introduction to Research in Pathobiology, annually
 Lifespan Cardiology Conference, "Cardiac Regeneration with Bone Marrow-Derived Stem Cells: New Strategies and New Insights" 1/05
 BioMed 6505, Introduction to Fetal Medicine, annually
 Predoctoral Trainer, Department of Medical Pharmacology, Physiology and Biotechnology
 Molecular Cardiology Research Program Retreat, "The Beta₁-Adrenergic Receptor: Expression, Regulation, Cardiac Growth and Regeneration" 1/06
 BIRCWH Program Pathobiology Core Curriculum, 11/06 & 12/06
 Summer Research Program Seminar Series "Translational Research" 6/14
 Department of Orthopaedics Research Seminar, "Epigenetics: A Window into the Past and a Look at the Future" 12/16
 Basic and Translational Research T35 Program Seminar, "How To: Journal Club" 6/18
 Office of Graduate and Postdoctoral Studies Research Integrity Course, "The Role of the Scientist in Society" 9/19