

CURRICULUM VITAE**ROSEMARY DOWE HIGGINS, M.D.****BUSINESS ADDRESS**

College of Health and Human Services
 George Mason University
 4400 University Drive
 Peterson Family Health Science Hall
 Room 5415
 Fairfax, Virginia 22030
 703-993-1952
rhiggin@gmu.edu

CITIZENSHIP

United State of America

MEDICAL LICENSURE

New York State (inactive)
 District of Columbia (inactive)
 Virginia
 Maryland

SPECIALTY BOARDS

American Board of Pediatrics
 Board Certified 9/1988
 Recertified 5/1999
 Recertified 6/2005
 Recertified 7/2015
 American Board of Pediatrics
 Sub-Board of Neonatal-Perinatal
 Medicine
 Board Certified 11/1989
 Recertified 6/1995
 Recertified 4/2002
 Recertified 12/2013

EDUCATION

INSTITUTION	DEGREE	YEAR
Siena College, Loudonville, NY	BS (Magna cum laude)	1980
Georgetown University School of Medicine, Washington, D.C.	MD	1984

PROFESSIONAL TRAINING AND EXPERIENCE

1984-1987	Pediatric Resident, University of Virginia Medical Center, Charlottesville, Virginia.
1987-1990	Fellow and Instructor in Pediatrics and Neonatology, University of Rochester, Strong Memorial Hospital, Rochester, New York

1990-1991	Senior Instructor in Pediatrics and Neonatology, University of Rochester, Strong Memorial Hospital, Rochester, New York.
1991-1994	Assistant Professor of Pediatrics, New York University Medical Center, New York, New York.
1994-1996	Assistant Professor of Pediatrics and Clinical Director, Tisch Hospital Intensive Care Nursery, New York University Medical Center, New York, New York.
1996-1999	Assistant Professor of Pediatrics, Division of Neonatology, Georgetown University Medical Center, Washington, DC.
1999-12/2002	Associate Professor of Pediatrics and Neonatal-Perinatal Medicine Fellowship Director, Georgetown University Medical Center, Washington, DC
12/2002-12/2004	Associate Professor of Pediatrics, Neonatology Clinical Services, Medstar Georgetown Medical Center, Washington, DC
12/2002-2/2019	Program Scientist/Medical Officer for the Neonatal Research Network, Pregnancy and Perinatology Branch, Center for Developmental Biology and Perinatal Medicine, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD
3/2019-pres.	Associate Dean for Research, College of Health and Human Services, George Mason University, Fairfax, Virginia

HONORS AND AWARDS

Alpha Kappa Alpha Honor Society, Siena College, 1980
 Michael J. Caruso Memorial Award for Humanitarian Service, Georgetown University, 1984
 Resident Annual Teaching Award, University of Virginia, Department of Pediatrics, 1987
 Teacher of the Year, New York University, Pediatrics Department, 1993-1994
 ARVO Travel Grant - NEI - Mentor to recipient: Dr. Raymond Sanders, 1996
 Fellow Clinical Research Award from Society for Pediatric Research - Mentor to recipient: Dr. Misrak Tadesse, 1999
 Student Clinical Research Award from Society for Pediatric Research - Mentor to recipient, Sherareh Movafagh, 2003
 National Institutes of Health Award of Merit, NICHD, October 2005
 National Institutes of Health Award of Merit, NICHD, October 2006
 National Institutes of Health Award of Merit, NICHD, October 2008
 National Institutes of Health Award of Merit, NICHD, September 2009
 National Institutes of Health Award of Merit, NICHD, December 2010
 National Institutes of Health Award of Merit, NICHD, November 2012
 NIH Director's Individual Scientific/Medical Award for NICHD, June 2014
 NIH Director's Group Scientific/Medical Award for Office of the Director, June 2014
 National Institutes of Health Award of Merit, Individual Award, NICHD, November 2016
 National Institutes of Health Award of Merit, Group Award, NICHD, November 2016
 National Institutes of Health Award of Merit, Individual Award, NICHD, November 2018
 National Institutes of Health Award of Merit, Group Award, NICHD, November 2018

SOCIETY MEMBERSHIP

American Academy of Pediatrics - Fellow
 American Medical Association
 Association for Research in Vision and Ophthalmology
 American Academy for the Advancement of Science
 Society for Pediatric Research
 American Pediatric Society

PUBLIC SERVICE

REVIEWS FOR JOURNALS

Cardiovascular Research, 1996- pres.
 Pediatrics, 1997-pres.
 Current Eye Research, 1999-pres.
 Investigative Ophthalmology and Visual Science 1999-pres.
 American Family Physician 1999-pres.
 Biology of the Neonate, 2000-2005
 Pediatric Research 2002-pres.
 British Journal of Ophthalmology 2003-pres.
 Experimental Eye Research 2003-pres.
 Free Radical Biology and Medicine 2004
 Maternal and Child Health 2004-pres.
 Acta Paediatrica 2004
 Archives of Ophthalmology 2004-pres.
 New England Journal of Medicine 2004-pres.
 Journal of Pediatrics 2005-pres.
 Neuroendocrinology 2005
 Obstetrics and Gynecology 2005-pres.
 Fertility and Sterility 2005-pres.
 Journal of the American Medical Association 2005-pres.
 Medical Journal of Australia 2006
 Lancet 2006
 BMC Ophthalmology 2006
 Canadian Medical Association Journal 2006
 Clinical Journal of Pain 2007
 Experimental Diabetes Research 2007
 Expert Review of Obstetrics and Gynecology – 2007
 British Medical Journal – 2009- present
 Journal of Perinatology -2009- present
 Science 2010
 American Journal of Obstetrics and Gynecology 2010-present
 Proceedings of the National Academy of Science 2011
 Neonatology 2017

JOURNAL ACTIVITIES

Expert on NEJM Group Open Forum - Increasing Neonatal Abstinence Syndrome in US
 Neonatal Intensive Care Units - 2015

GUEST EDITORIAL BOARD MEMBER

Investigative Ophthalmology and Visual Science, 1999
Seminars in Perinatology, 2016

EDITOR IN CHIEF

American Journal of Perinatology, 2004-pres.

MEETING REVIEW

Society for Pediatric Research - Abstract Reviewer - 2000 Meeting
Society for Pediatric Research - Abstract Reviewer - 2006 Meeting
Society for Pediatric Research - Abstract Reviewer - 2008 Meeting
Society for Pediatric Research - Abstract Reviewer - 2010 Meeting
Society for Pediatric Research - Workshop Reviewer - 2011 Meeting
Society for Pediatric Research - Abstract Reviewer - 2011 Meeting
Society for Pediatric Research - Workshop Reviewer – 2012 Meeting
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Society for Pediatric Research - Workshop Reviewer – 2015 Meeting
Society for Pediatric Research - Abstract Reviewer - 2015 Meeting
Society for Pediatric Research - Workshop Reviewer – 2016 Meeting
Society for Pediatric Research - Abstract Reviewer - 2016 Meeting
Society for Pediatric Research - Abstract Reviewer – 2017 Meeting
Society for Pediatric Research - Abstract Reviewer – 2018 Meeting

PEER REVIEW GRANT ACTIVITIES

Thrasher Research Foundation Reviewer – 2004- 2016
Medical Research Council of South Africa Grants - 2006
Action Medical Research for Children for Life Grants – 2011- 2016
Singapore Ministry of Health Grants - 2011
NIH Pain Consortium’s Centers of Excellence in Pain Education (CoEPEs) – 2012
NEI Pediatric Eye Disease Investigator Group (PEDIG) protocol reviewer – 2013-pres.
Office of Disease prevention, NIH Administrative Supplements for Tobacco Regulatory Research on the Role and Impact of Flavors in Cigarettes, Cigars, E-Cigarettes and Smokeless Tobacco (Admin Supp) reviewer – 2014
Swiss National Science Foundation, Division of Biology and Medicine – 2015-2016
German Research Foundation, Clinical Trials review – 2015- 2016
Science Foundation of Ireland, Reviewer -2017-2018
NIH Office of the Director INCLUDE (INvestigation of Co-occurring conditions across the Lifespan to Understand Down syndrome), Reviewer, 2018
NHLBI Recipient Epidemiology and Donor Evaluation Study-IV-P: Domestic Site Applications For RFP, Secondary Reviewer, September 2018

NICHD Reviewer for R21/33 Transition for RFA-HD-17-002: Use of 3D Printing for Creation of Implantable Devices, January 2019

SERVICE COMMITTEES

- 1990-1991 Faculty Pediatric Intern Selection Committee, University of Rochester School of Medicine, Rochester, New York.
- 1991-1996 Joint Practice Pediatric Quality Assurance Committee, New York University Medical Center, Bellevue Hospital Center, New York, New York
- 1991-1996 Housestaff Recruitment, New York University/Bellevue Hospital Center, Department of Pediatrics, New York, New York
- 1992-1996 Perinatal Emphasis Research Group, New York University, New York, New York
- 1992-1996 Housestaff Advisor, New York University Medical Center, New York, New York
- 1993-1996 Policy Committee, Tisch Hospital NICU/SCN, New York University, New York, New York
- 1994-1996 Medical Student Advisor, New York University School of Medicine, New York, New York
- 1994-1996 "Skills of Doctoring" Course - Preceptor, New York University School of Medicine, New York, New York
- 1994-1996 Bereavement Committee, New York University Medical Center, New York, New York
- 1994-1996 Pediatric Quality of Care Committee, New York University Medical Center, New York, New York
- 1996-2002 Infection Control QI Committee for Critical Care Nurseries, Georgetown University Medical Center, Washington, DC
- 1996-2002 CPR Committee, Georgetown University Hospital, Washington, DC
- 1996-2002 Nursery complex committee, Georgetown University Medical Center, Washington, DC
- 1996-2002 Nursery Morbidity and Mortality Review Committee, Georgetown University Medical Center, Washington, DC
- 1996-2002 Interviewer for Pediatric Residency Recruitment, Georgetown University Medical Center, Washington, DC
- 1997-1998 Parents support center – Georgetown University Hospital
- 1999 Security ID cards – Georgetown University Hospital
- 1999-2002 Pharmacy and Therapeutics Committee, Georgetown University Medical Center, Washington, DC
- 2000-2002 Pediatric Resident Education Committee, Georgetown University, Washington, DC
- 2001-2002 Pediatric Gala Committee, Georgetown University Children’s Medical Center, Washington, DC.
- 2000-2002 Institutional Review Board, Georgetown University Medical Center, Washington, DC
- 2002 Vice Chair, Institutional Review Board, Georgetown University Medical Center, Washington, DC
- 2000-2002 Clinical Pastoral Education Advisory Committee, Georgetown University Hospital, Washington, DC.

2001-2002	Employee Survey Task Force , Department of Pediatrics, Georgetown University Children's Medical Center, Washington, DC
2001-2002	Graduate Medical Education Committee, Georgetown University Hospital, Washington, DC
2002	Pediatric Department Strategic Planning Task Force, Chairman, Research Task Force, Department of Pediatrics, Georgetown University Children's Medical Center, Washington, DC
2003-2014	NICHD/FDA Newborn Drug Development Planning Committee, Rockville, MD
2003-2004	HHS Interagency Coordinating Council on Low Birth Weight and Preterm Birth, Rockville, MD
2003-2004	Subcommittee on Health Disparities, HHS Interagency Coordinating Council on Low Birth Weight and Preterm Birth, Rockville, MD
2004-2016	Vermont Oxford Network Database Advisory Committee
2004-2005	Advisory Committee for the National Initiative for Children's Healthcare Quality and the Vermont Oxford Network - "Great Beginnings"
2005-2006	Clinical Networks Efficiency Subcommittee, NIH
2006-2013	CTSA Pediatric Oversight Committee, NIH
2007	Mapping the Clinical Research Process Committee, NICHD
2010-pres.	NICHD Exchange Committee
2011-2013	ACOG Task Force on Neonatal Encephalopathy and Cerebral Palsy
2011-2012	DEAS Transition Team, NICHD
2012- 2013	CLUB (Committee on Large Unobligated Balances), NICHD
2013	NICHD Ex-Officio representative to Society for Maternal Fetal Medicine
2013	NIH Clinical Trials Working Group
2013-2016	NICHD Ex-Officio representative to March of Dimes Foundation
2013-2014	NICHD Data Specimen and Archiving Committee
2013-pres.	HHS- Planning Committee for Tobacco and Reproductive Health Workshop
2015-2016	NIH Clinical Trials Scientific Management Committee
2015-2016	International Neonatal Consortium Data Workgroup
2016	Trans NIH/ Bill and Melinda Gates Foundation (BMGF) Point of Care Working Group
2016	Clinical Trials Consultant Team, NICHD
2016-2019	NIH Clinical Trials Operations Workgroup
2016- 2019	NICHD Clinical Trials Working Group
2017-2019	NIH Clinical Trials Systems Working Group
2018-2019	NICHD Research Coordinating Committee for BPCA
2018-2019	NICHD Pain and Opioids Working Group
2018-2019	NICHD Risk Review Committee for Clinical Trials

TEACHING ACTIVITIES (1996-2002)

Interviewer for Medical School Applicants, Georgetown University
 Nursery Teaching Attending (Critical Care Nursery III Rotation) - 4-6 weeks per year
 Nursery Attending (Critical Care Nurseries I and II) - 2-3 months per year with daily teaching rounds

FELLOW EDUCATION (1996-2002- Georgetown University)

Morbidity and Mortality
 Journal Club
 Clinical Management Seminars
 Physiology Club

FELLOWS RESEARCH PROJECTS (as primary mentor)

1. Dr. Mahdur Mittal - To determine the effect of candida sepsis on the incidence and severity of ROP. This work was presented at the 1997 Society for Pediatric Research Meeting and at the World ROP Meeting, 1997 and resulted in a publication in *Pediatrics*.
2. Dr. Tomas Rotschild - To determine the effect of dexamethasone in an animal model of ROP. This work was presented at the 1998 Society for Pediatric Research Meeting and resulted in a manuscript which is published in *Pediatric Research*.
3. Dr. Bharat Nandgaonkar - To determine the effect of indomethacin in an animal model of ROP. This work was presented at the 1998 Society for Pediatric Research Meeting and resulted in a manuscript which is published in *Pediatric Research*.
4. Dr. Misrak Tadesse - To determine the impact of race on ROP. This work was awarded the *Fellow Clinical Research Award* and was presented at the 1999 Society for Pediatric Research Meeting. The manuscript has been published in *Bi-ology of the Neonate*.
5. Dr. Misrak Tadesse - To determine the effect of angiotensin converting enzyme inhibition and endothelin- 1 expression in an animal model of ROP. This work has been presented at the 1999 Society for Pediatric Research Meeting and the manuscript has been published in *Investigative Ophthalmology and Visual Science*.
6. Dr. Panitan Yossuck - To determine the effect of timing of dexamethasone in an animal model of ROP. This work has been published in *Investigative Ophthalmology and Visual Science*.
7. Dr. Helen Yoon - To determine the expression of neuropeptide Y in the mouse retina and determine NPY and NPY receptor expression in oxygen induced retinopathy. This work has been presented at the 2000 and 2001 Society for Pediatric Research Meeting. A manuscript has published in *Clinical and Experimental Ophthalmology*.
8. Dr. Panitan Yossuck - To determine the role of TNF- α in retinopathy. This work has been presented at the 2000 Society for Pediatric Research Meeting and a manuscript has been published in *Molecular Genetics and Metabolism*.
9. Dr. Juan Toral - To determine the role of nitric oxide in the evolution of retinopathy. Preliminary results have been presented at the 2001 Society for Pediatric Research Meeting.

10. Dr. Elif Ari - To determine the role of cyclo-oxygenase in oxygen induced retinopathy. Preliminary results have been presented at the 2001 Society for Pediatric Research Meeting.
11. Dr. Jotishna Sharma - To determine the expression of neuropilin in a mouse model of oxygen induced retinopathy; to determine the effect of ibuprofen on oxygen induced retinopathy. This work has been presented at the 2003 Pediatric Academic Societies Meeting and a manuscript has been published in *Current Eye Research*.
12. Dr. Sybil Barr - To determine the effect of captopril, an angiotensin converting enzyme inhibitor on VEGF expression in a mouse model of oxygen induced retinopathy. This work has been presented at the 2003 Pediatric Academic Societies Meeting and a manuscript has been published in *Current Eye Research*.

STUDENT EDUCATION (Georgetown University)

Thesis committee (2000-2002) - Andrea Marritt - candidate for Doctor of Philosophy in Pharmacology

Research advisor (2000-2002)- Sharareh Movafagh - candidate for Ph.D. in Physiology and Biophysics

SCHOLARSHIP AND RESEARCH RESEARCH GRANTS

National Institutes of Health - National Eye Institute - F32 EY06184

National Research Service Award

Angiogenic Growth Factors in Retinopathy of Prematurity

Direct Costs (\$64,750) 7/89 - 7/91

Principal Investigator - 90% Effort

National Institutes of Health - National Eye Institute - K11 EY00330

Physician Scientist Award

Retinopathy of Prematurity and Angiogenic Growth Factors

Direct costs (\$519,282)12/92-11/97

Principal Investigator - 75% Effort

Magainin Pharmaceuticals Inc.

Research Contract

The Effect of Squalamine on Oxygen Induced Retinopathy

Direct Costs (\$28,000) 4/1/98 - 3/31/99

Principal Investigator - 5% Effort

Fight for Sight Research Division of Prevent Blindness America - GA98005

Grant-In-Aid

Retinopathy of Prematurity and Corticosteroids

Direct Costs (\$11,000) 6/1/98 - 5/30/99

Principal Investigator - 20% Effort

Knights Templar Eye Foundation, Inc.
 Research Grant
 Retinopathy of Prematurity and Vasoconstriction
 Direct Costs (\$20,000) 7/1/98-6/30/99
 Principal Investigator - 4% Effort

Fight for Sight Research Division of Prevent Blindness America - GA99005
 Grant-In-Aid
 Retinopathy of Prematurity and Corticosteroids
 Direct Costs (\$11,000) 6/1/99-5/30/00
 Principal Investigator - 10% Effort

Oakwood Laboratories, Inc.
 Research Agreement
 Effect of Somatostatin Analogues on Retinopathy
 Direct Costs (\$37,993) 1/1/00-6/30/00
 Principal Investigator - 20% Effort

Juvenile Diabetes Foundation International - JDF-1-2000-334
 Research Grant
 Retinopathy, ACE Inhibition, and Squalamine
 Direct Costs (\$245,380) 1/1/00-12/31/02
 Principal Investigator - 11% Effort

Magainin Pharmaceuticals, Inc.
 Research Agreement
 Effect of Squalamine on Retinopathy in the Mouse
 Direct Costs (\$32,000) 12/1/00-11/31/01
 Principal Investigator - 10% Effort

EntreMed Inc.
 Research Agreement
 Anti-angiogenic Compounds in Retinopathy
 Direct Costs (\$6,865) 9/1/00-11/15/00
 Principal Investigator - 2% Effort

PATENTS

Method of treating retinopathy of prematurity using somatostatin analogs
 Letter of Patent of the United States filed May 3, 2002
 Application Serial Number 10/138,554
 Assignee - Oakwood Laboratories and Georgetown University

SPECIALIZED NIH TRAINING

Basic Project Officer (Grants and Acquisition Management) March 2003, Honor Student Commendation

Advanced Project Officer (Grants and Acquisition Management), May 2003

Ethics and Regulatory Aspects of Human Subjects Research, October 2003-December 2003

Orientation to NIH Extramural Activities: Fundamentals of NIH Extramural Activities and Core Curriculum, Winter 2004

Orientation to Population Tracking, February 25, 2005

ESA Seminar Series – Fall 2005-Winter 2006

NIH Senior Leadership Training - 2017

PUBLICATIONS (original articles)

1. Shinwell ES, **Higgins RD**, Auten RL, Shapiro DL. Routine fiberoptic bronchoscopy in intubated neonates. *AJDC* 143:1064-1065, 1989.
2. **Higgins RD**, Phelps DL. Oxygen induced retinopathy: lack of adverse heparin effect. *Ped Res* 27:580-583, 1990.
3. **Higgins RD**, Richter SE, Davis JM. Nasal continuous positive airway pressure facilitates extubation in very low birth weight neonates. *Pediatrics* 88:999-1003, 1991.
4. **Higgins RD**. Retinopathy of Prematurity. *Resident and Staff Physician* 42:66-68, 1996.
5. Hendricks-Munoz KD, Gerrets RP, **Higgins RD**, Munoz JL, Caines VV. Cocaine stimulated endothelin-1 release is decreased by ACE inhibitors in cultured human and bovine endothelial cells. *Cardiovasc Res* 31:117-123, 1996.
6. **Higgins RD**, Hendricks-Munoz KD, Caines VV, Gerrets RP, Rifkin DB. Hyperoxia stimulates endothelin-1 secretion from endothelial cells and modulation by captopril and nifedipine. *Current Eye Research* 17:487-493, 1998.
7. **Higgins RD**, Mendelsohn AL, DeFeo MJ, Utsel R, Hendricks-Munoz KD. Association of antenatal dexamethasone with decreased severity of retinopathy of prematurity. *Archives of Ophthalmology*, 116:601-605, 1998.
8. Mittal M, Dhanireddy R, **Higgins RD**. Candida sepsis and association with retinopathy of prematurity. *Pediatrics* 101:654-658, 1998.
9. Tyson H, **Higgins RD**, Tyson I. Family dysfunction and Native American women who do not seek prenatal care. *Archives of Family Medicine* 8:111-117, 1999.
10. **Higgins RD**, Yu K, Sanders RJ, Nandgaonkar B, Rotschild T, Rifkin DB. Diltiazem reduces retinal neovascularization in a mouse model of oxygen induced retinopathy. *Current Eye Research* 18:20-27, 1999.
11. **Higgins RD**, Mendelsohn AL, DeFeo MJ, Utsel R, Hendricks-Munoz KD. Retinopathy of prematurity: lack of association with prenatal care. *J Amer Acad Ped Ophthalmol Strabismus* 3:114-116, 1999.
12. Rotschild T, Nandgaonkar BN, Yu K, **Higgins RD**. Dexamethasone reduces oxygen induced retinopathy in a mouse model. *Pediatric Research*, 46:94-100, 1999.
13. Nandgaonkar BN, Rotschild T, Yu K, **Higgins RD**. Indomethacin improves oxygen induced retinopathy in the mouse. *Pediatric Research*, 46:184-188, 1999.
14. **Higgins RD**, Sanders RJ, Yan Y, Zasloff M, Williams JI. Squalamine improves retinal neovascularization. *Investigative Ophthalmology and Visual Science*, 41:1507-1512, 2000.

15. Yossuck P, Yan Y, Tadesse M, **Higgins RD**. Dexamethasone and critical effect of timing on retinopathy. *Investigative Ophthalmology and Visual Science* 41:3095-3099, 2000.
16. Yossuck P, Yan Y, Tadesse M, **Higgins RD**. Dexamethasone alters TNF-alpha expression in retinopathy. *Molecular Genetics and Metabolism* 72:164-167, 2001.
17. Tadesse M, Yan Y, Yossuck P, **Higgins RD**. Captopril improves retinal neovascularization via endothelin-1. *Investigative Ophthalmology and Visual Science*, 42:1867-1872, 2001.
18. **Higgins RD**, Yan Y, Tadesse M, Yossuck P. Lack of effect of gender on retinopathy in the mouse. *Clinical and Experimental Ophthalmology*, 29:323-326, 2001.
19. **Higgins RD**, Keszler M. Perinatal vascular development. *Cardiovasc Res*, 51:7-8, 2001.
20. Nunes I, **Higgins RD**, Zanetta L, Shamanian P, Goff SP. cABL is required for the development of hyperoxia-induced retinopathy. *J Exp. Medicine*, 193:1383-1391, 2001.
21. Tadesse M, Dhanireddy R, Mittal M, **Higgins RD**. Race, retinopathy of prematurity and Candida sepsis. *Biology of the Neonate*, 81:86-90, 2002.
22. **Higgins RD**, Yan Y, Schrier BK. Somatostatin analogues inhibit neonatal retinal neovascularization. *Experimental Eye Research*, 74:553-9, 2002.
23. Yoon HZ, Yan Y, Gene Y, **Higgins RD**. Neuropeptide Y expression in a mouse model of oxygen induced retinopathy. *Clinical and Experimental Ophthalmology*, 30:424-429, 2002.
24. **Higgins RD**, Yan Y, Geng Y, Sharma J, Barr SM. Captopril and vascular endothelial growth factor in retinopathy. *Current Eye Research*, 27:123-129, 2003.
25. Sharma J, Barr SM, Geng Y, Yan Y, **Higgins RD**. Ibuprofen improves oxygen induced retinopathy in the mouse. *Current Eye Research*, 27:309-314, 2003.
26. **Higgins RD**, Yan Y, Geng Y, Zasloff M, Williams JI. Regression of retinopathy by squalamine in a mouse model. *Pediatric Research*, 56:144-149, 2004.
27. Koulo M, Movafagh S, Tuohimaa J, Jaakkola U, Kallio J, Pesonen U, Geng Y, Karvonen MK, Vainio-Jylha E, Pollonen M, Kaipio-Salmi K, Seppala H, Lee EW, **Higgins RD**, Zukoska Z. Neuropeptide Y and Y2-receptor are involved in the development of diabetic retinopathy and retinal neovascularization. *Annals of Medicine*, 36(3):232-240, 2004.
28. Stoll BJ, Hansen N, Adams-Chapman I, Fanaroff AA, Hintz SR, Vohr B, **Higgins RD** for the NICHD Neonatal Research Network. Neurodevelopmental impairment among extremely low birth weight infants with neonatal infection. *Journal of the American Medical Association*, 292:2357-65, 2004.
29. Ariagno RL, Van Marter LJ, **Higgins R**, Raju TN. Neonatology research for the 21st century: Executive summary of the National Institute of Child Health and Human Development-American Academy of pediatrics workshop, Part II training issues. *Pediatrics* 115:475-479, 2005.
30. Raju TN, Ariagno RL, **Higgins R**, Van Marter LJ. Research in neonatology for the 21st century: executive summary of the national Institute of Child Health and Human Development-American Academy of Pediatrics workshop: Part I academic issues. *Pediatrics* 115:468-474, 2005.
31. Hintz SR, Kendrick DE, Vohr BR, Poole WK, **Higgins RD**, for the NICHD Neonatal Research Network. Changes in neurodevelopmental outcomes at 18 to 22 months' corrected age among infants of less than 25 weeks' gestational age born in 1993-1999. *Pediatrics* 2005;115:1654-51.
32. **Higgins RD**, Delivoria-Papadopoulos M, Raju T. Executive summary on the workshop on viability. *Pediatrics* 115:1392-1396, 2005
33. Hintz SR, Kendrick DE, Stoll BJ, Vohr BR, Fanaroff AA, Donovan EF, Poole WK, Blakely ML, Wright LL, **Higgins RD** for the NICHD Neonatal Research Network. Neurodevelopmental and

- growth outcomes of extremely low birth weight infants after necrotizing enterocolitis. *Pediatrics*. 2005 Mar;115(3):696-703.
34. Krisa P. Van Meurs, M.D., Linda L. Wright, M.D., Richard A. Ehrenkranz, M.D., James A. Lemons, M.D., M. Bethany Ball, B.S., W. Kenneth Poole, Ph.D, Rebecca Perritt, M.S., **Rosemary D. Higgins, M.D.**, William Oh, M.D., Mark L. Hudak, M.D, Abbot R. Luptook, M.D., Seetha Shankaran, M.D., Neil N. Finer, M.D., Waldemar A. Carlo, M.D., Kathleen A. Kennedy, M.D., M.P.H., Jon H. Fridriksson, M.D., Robin H. Steinhorn, M.D., Gregory M. Sokol, M.D., G. Ganesh Konduri, M.D., Judy L. Aschner, M.D., Barbara J. Stoll, M.D., Carl T. D'Angio, M.D., and David K. Stevenson, M.D. for the NICHD Neonatal Research Network. Inhaled nitric oxide for premature infants with severe respiratory failure. *New England Journal of Medicine* 2005, 353:13-22.
 35. Stoll BJ, Hansen NI, **Higgins RD**, Fanaroff AA, Duara S, Goldberg R, Luptook A, Walsh M, Oh W, Hale E for the NICHD Neonatal Research Network. Very low birth weight preterm infants with early onset neonatal sepsis: the predominance of gram-negative infections continues in the NICHD NRN, 2002-2003. *Pediatr Infect Dis J* 2005;24:635-639.
 36. Blakely ML, Lally KP, McDonald S, Brown RL, Barnhart DC, Ricketts RR, Thompson WR, Scherer LR, Klein MD, Letton RW, Chwals WJ, Touloukian RJ, Kurkchubasche AG, Skinner MA, Moss RL, Hilfiker ML, **NEC Subcommittee of the NICHD Neonatal Research Network**. Postoperative outcomes of extremely low birth-weight infants with necrotizing enterocolitis or isolated intestinal perforation: a prospective cohort study by the NICHD Neonatal Research Network. *Ann Surg* 2005;241:984-989.
 37. Bada HS, Das A, Bauer CR, Shankaran S, Lester BM, Gard CC, Wright LL, Lagasse L, **Higgins R**. Low birth weight and preterm birth: etiologic fraction attributable to prenatal drug exposure. *J Perinatol* 2005, Aug 18.
 38. **Higgins RD**. Ocular Neovascularization: genomic implications. *Current Genomics* 2005;6:315-318.
 39. Shankaran S, Luptook AR, Ehrenkranz RA, Tyson JE, McDonald SA, Donovan EF, Fanaroff AA, Poole WK, Wright LL, **Higgins RD**, Finer NN, Carlo WA, Duara S, Oh W, Cotten CM, Stevenson DK, Stoll BJ, Lemons JA, Guillet R, Jobe AH; National Institute of Child Health and Human Development Neonatal Research Network. Whole-body hypothermia for neonates with hypoxic-ischemic encephalopathy. *N Engl J Med*. 2005 Oct 13;353(15):1574-84.
 40. **Higgins RD**. Hypoxic Ischemic Encephalopathy and Hypothermia: A critical look. *Obstetrics & Gynecology*. 106(6):1385-1387, December 2005.
 41. Benjamin DK, Stoll BJ, Fanaroff AA, McDonald SA, Oh W, **Higgins RD**, Duara S, Poole K, Luptook A. Goldberg R for the NICHD Neonatal Research Network. Neonatal candidiasis among extremely low birth weight infants: risk factors, mortality rate, and neurodevelopmental outcomes at 18 to 22 months. *Pediatrics* 117:84-92, 2006.
 42. **Higgins RD**, Raju TNK, Perlman J, Azzopardi DV, Blackmon LR, Clark RH, Edwards AD, Ferrero DM, Gluckman PD, Gunn AJ, Jacobs SE, Eicher DJ, Jobe AH, Luptook AR, LeBlanc MH, Palmer C, Shankaran S, Soll RF, Stark AR, Thoresen M, Wyatt J for the NICHD Hypothermia Workshop Speakers and Discussants. Hypothermia and perinatal asphyxia: executive summary of the National Institute of Child Health and Human Development workshop. *J Pediatr* 148:170-175, 2006.
 43. Martin L. Blakely, Jon E. Tyson, Kevin P. Lally, Scott McDonald, Barbara J. Stoll, David K. Stevenson, W. Kenneth Poole, Alan H. Jobe, Linda L. Wright, **Rosemary D. Higgins**, and for the NICHD Neonatal Research Network. Laparotomy Versus Peritoneal Drainage for Necrotizing

- Enterocolitis or Isolated Intestinal Perforation in Extremely Low Birth Weight Infants: Outcomes Through 18 Months of Adjusted Age. *Pediatrics* 117(4):e680-7, 2006.
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242. Pappas A, Adams-Chapman I, Shankaran S, McDonald SA, Stoll BJ, Lptook AR, Carlo WA, Van Meurs KP, Hintz SR, Carlson MD, Brumbaugh JE, Walsh MC, Wyckoff MH, Das A, **Higgins RD**; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neurodevelopmental and Behavioral Outcomes in Extremely Premature Neonates With Ventriculomegaly in the Absence of Periventricular-Intraventricular Hemorrhage. *JAMA Pediatr*. 2017 Nov 27. doi: 10.1001/jamapediatrics.2017.3545. [Epub ahead of print]
243. Lakshminrusimha S, Keszler M, Kirpalani H, Van Meurs K, Chess P, Ambalavanan N, Yoder B, Fraga MV, Hedrick H, Lally KP, Nelin L, Cotten M, Klein J, Guilford S, Williams A, Chaudhary A, Gantz M, Gabrio J, Chowdhury D, Zaterka-Baxter K, Das A, **Higgins RD**. Milrinone in congenital diaphragmatic hernia - a randomized pilot trial: study protocol, review of literature and survey of current practices. *Matern Health Neonatol Perinatol*. 2017 Nov 27;3:27. doi: 10.1186/s40748-017-0066-9. eCollection 2017. Review.
244. Lptook AR, Bell EF, Shankaran S, Boghossian NS, Wyckoff MH, Kandefor S, Walsh M, Saha S, **Higgins R**; Generic and Moderate Preterm Subcommittees of the NICHD Neonatal Research Network. Admission Temperature and Associated Mortality and Morbidity among Moderately and Extremely Preterm Infants. *J Pediatr*. 2018 Jan;192:53-59.e2.
245. Bajaj M, Natarajan G, Shankaran S, Wyckoff M, Lptook AR, Bell EF, Stoll BJ, Carlo WA, Vohr BR, Saha S, Van Meurs KP, Sanchez PJ, D'Angio CT, **Higgins RD**, Das A, Newman N, Walsh MC; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Delivery Room Resuscitation and Short-Term Outcomes in Moderately Preterm Infants. *J Pediatr*. 2018 Jan 3. pii: S0022-3476(17)31595-0. doi: 10.1016/j.jpeds.2017.11.039. [Epub ahead of print]
246. Natarajan G, Shankaran S, Saha S, Lptook A, Das A, **Higgins R**, Stoll BJ, Bell EF, Carlo WA, D'Angio C, DeMauro SB, Sanchez P, Van Meurs K, Vohr B, Newman N, Hale E, Walsh M; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Antecedents and Outcomes of Abnormal Cranial Imaging in Moderately Preterm Infants. *J Pediatr*. 2018 Jan 22. pii: S0022-3476(17)31592-5. doi: 10.1016/j.jpeds.2017.11.036. [Epub ahead of print]
247. Lakshminrusimha S, Shankaran S, Lptook A, McDonald S, Keszler M, Van Meurs K, Guillet R, Chawla S, Sood BG, Bonifacio S, Das A, **Higgins RD**. Pulmonary Hypertension Associated

- with Hypoxic-Ischemic Encephalopathy-Antecedent Characteristics and Comorbidities. *J Pediatr*. 2018 Mar 1. pii: S0022-3476(17)31750-X. doi: 10.1016/j.jpeds.2017.12.055. [Epub ahead of print]
248. **Higgins RD**, Jobe AH, Koso-Thomas M, Bancalari E, Viscardi RM, Hartert TV, Ryan RM, Kalapur SG, Steinhorn RH, Konduri GG, Davis SD, Thebaud B, Clyman RI, Collaco JM, Martin CR, Woods JC, Finer NN, Raju TNK. Bronchopulmonary Dysplasia: Executive Summary of a Workshop. *J Pediatr*. 2018 Jun;197:300-308. doi: 10.1016/j.jpeds.2018.01.043
249. Adams-Chapman I, Heyne RJ, DeMauro SB, Duncan AF, Hintz SR, Pappas A, Vohr BR, McDonald SA, Das A, Newman JE, **Higgins RD**; Follow-Up Study of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neurodevelopmental Impairment Among Extremely Preterm Infants in the Neonatal Research Network. *Pediatrics*. 2018 May;141(5). pii: e20173091. doi: 10.1542/peds.2017-3091.
250. Lakshminrusimha S, Shankaran S, Lupton A, McDonald S, Keszler M, Van Meurs K, Guillet R, Chawla S, Sood BG, Bonifacio S, Das A, **Higgins RD**. Pulmonary Hypertension Associated with Hypoxic-Ischemic Encephalopathy-Antecedent Characteristics and Comorbidities. *J Pediatr*. 2018 May;196:45-51.e3. doi: 10.1016/j.jpeds.2017.12.055. Epub 2018 Mar 1.
251. Vohr BR, Heyne R, Bann CM, Das A, **Higgins RD**, Hintz SR; Eunice Kennedy Shriver National Institute of Child Health, and Development Neonatal Research Network. Extreme Preterm Infant Rates of Overweight and Obesity at School Age in the SUPPORT Neuroimaging and Neurodevelopmental Outcomes Cohort. *J Pediatr*. 2018 Sep;200:132-139.e3. doi: 10.1016/j.jpeds.2018.04.073.
252. Zhang H, Dysart K, Kendrick DE, Li L, Das A, Hintz SR, Vohr BR, Stoll BJ, **Higgins RD**, Nelin L, Carlton DP, Walsh MC, Kirpalani H; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Prolonged respiratory support of any type impacts outcomes of extremely low birth weight infants. *Pediatr Pulmonol*. 2018 Oct;53(10):1447-1455. doi: 10.1002/ppul.24124.
253. Vohr BR, Heyne R, Bann C, Das A, **Higgins RD**, Hintz SR; Eunice Kennedy Shriver National Institute of Child Health; Development Neonatal Research Network. High Blood Pressure at Early School Age Among Extreme Preterms. *Pediatrics*. 2018 Aug;142(2).
254. Hintz SR, Vohr BR, Bann CM, Taylor HG, Das A, Gustafson KE, Yolton K, Watson VE, Lowe J, DeAnda ME, Ball MB, Finer NN, Van Meurs KP, Shankaran S, Pappas A, Barnes PD, Bulas D, Newman JE, Wilson-Costello DE, Heyne RJ, Harmon HM, Peralta-Carcelen M, Adams-Chapman I, Duncan AF, Fuller J, Vaucher YE, Colaizy TT, Winter S, McGowan EC, Goldstein RF, **Higgins RD**; SUPPORT study group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Preterm Neuroimaging and School-Age Cognitive Outcomes. *Pediatrics*. 2018 Jul;142(1).
255. Shankaran S, Bell EF, Lupton AR, Saha S, Newman NS, Kazzi SNJ, Barks J, Stoll BJ, Bara R, Gabrio J, Childs K, Das A, **Higgins RD**, Carlo WA, Sánchez PJ, Carlton DP, Pavageau L, Malcolm WF, D'Angio CT, Ohls RK, Poindexter BB, Sokol GM, Van Meurs KP, Colaizy TT, Khmour A, Puopolo KM, Garg M, Walsh MC; Eunice Kennedy Shriver National Institute of Child Health, and Human Development Neonatal Research Network. Weaning of Moderately Preterm Infants from the Incubator to the Crib: A Randomized Clinical Trial. *J Pediatr*. 2019 Jan;204:96-102.e4. doi: 10.1016/j.jpeds.2018.08.079.
256. Phelps DL, Watterberg KL, Nolen TL, Cole CA, Cotten CM, Oh W, Poindexter BB, Zaterka-Baxter KM, Das A, Lacy CB, Scorsone AM, Walsh MC, Bell EF, Kennedy KA, Schibler K, Sokol GM, Laughon MM, Lakshminrusimha S, Truog WE, Garg M, Carlo WA, Lupton AR, Van Meurs

- KP, Carlton DP, Graf A, DeMauro SB, Brion LP, Shankaran S, Orge FH, Olson RJ, Mintz-Hittner H, Yang MB, Haider KM, Wallace DK, Chung M, Hug D, Tsui I, Cogen MS, Donahue JP, Gaynon M, Hutchinson AK, Bremer DL, Quinn G, He YG, Lucas WR Jr, Winter TW, Kicklighter SD, Kumar K, Chess PR, Colaizy TT, Hibbs AM, Ambalavanan N, Harmon HM, McGowan EC, **Higgins RD**; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Effects of Myo-inositol on Type 1 Retinopathy of Prematurity Among Preterm Infants <28 Weeks' Gestational Age: A Randomized Clinical Trial. *JAMA*. 2018 Oct 23;320(16):1649-1658.
257. Lowe JR, Fuller JF, Do BT, Vohr BR, Das A, Hintz SR, Watterberg KL, **Higgins RD**; Eunice Kennedy Shriver National Institute of Child Health; Human Development Neonatal Research Network. Behavioral problems are associated with cognitive and language scores in toddlers born extremely preterm. *Early Hum Dev*. Early Hum Dev. 2019 Jan;128:48-54. doi: 10.1016/j.earlhumdev.2018.11.007. Epub 2018 Dec 4.
258. Watterberg KL, Hintz SR, Do B, Vohr BR, Lowe J, Newman JE, Wallace D, Lacy CB, Davis EP, Granger DA, Shankaran S, Payne A, **Higgins RD**; SUPPORT Study Group of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Adrenal function links to early postnatal growth and blood pressure at age 6 in children born extremely preterm. *Pediatr Res*. 2018 Dec 12. doi: 10.1038/s41390-018-0243-1. [Epub ahead of print]
259. Greenberg RG, Chowdhury D, Hansen NI, Smith PB, Stoll BJ, Sánchez PJ, Das A, Puopolo KM, Mukhopadhyay S, **Higgins RD**, Cotten CM; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Prolonged duration of early antibiotic therapy in extremely premature infants. *Pediatr Res*. 2019 Jan 22. doi: 10.1038/s41390-019-0300-4. [Epub ahead of print].
260. Brumbaugh JE, Hansen NI, Bell EF, Sridhar A, Carlo WA, Hintz SR, Vohr BR, Colaizy TT, Duncan AF, Wyckoff MH, Baack ML, Rysavy MA, DeMauro SB, Stoll BJ, Das A, **Higgins RD**; National Institute of Child Health and Human Development Neonatal Research Network. Outcomes of Extremely Preterm Infants With Birth Weight Less Than 400 g. *JAMA Pediatr*. 2019 Mar 25. doi: 10.1001/jamapediatrics.2019.0180. [Epub ahead of print]
2. Invited articles in referred journals
1. **Higgins RD**. Retinopathy of Prematurity. *Resident and Staff Physician* 42:66-68, 1996.
 2. **Higgins RD**, Saade GR. Editorial “mission” *Am J Perinatol* 23:1-2, 2006.
 3. **Higgins RD**. Editorial. *Am J Perinatol*. 2011 Feb;28(2):89-90.
 4. Truog WE, **Higgins RD**. Introduction to NICHD Neonatal Research Network. *Semin Perinatol*. 2016 Jun 22. pii: S0146- 0005(16)30001-5. doi: 10.1053/j.semperi.2016.05.001. [Epub ahead of print]

5. **Higgins RD**, Patel RM, Josephson CD. Preoperative Anemia and Neonates. *JAMA Pediatr.* 2016 Sep 1;170(9):835-6.
 6. **Higgins RD**, Jobe AH. Reply. *J Pediatr.* 2018 Dec 24. pii: S0022-3476(18)31704-9. doi: 10.1016/j.jpeds.2018.11.056. [Epub ahead of print].
3. Books or chapters in books
1. **Higgins RD**, Richter SE, Davis JM. Nasal continuous positive airway pressure facilitates extubation in very low birth weight neonates. In Klaus and Fanaroff, Yearbook of Neonatal-Perinatal Medicine, p. 203-204, 1992.
 2. **Higgins RD**, Rotschild T, Nandgaonkar B. Oxygen induced retinopathy in the mouse. Progress in Retinopathy of Prematurity, Reibaldi A, Di Pietro M, Malerba E, eds. Amsterdam: Kugler Publications bv, pp.105-108, 1997.
 3. **Higgins RD**. Endothelin-1 and hyperoxic injury to endothelial cells. Progress in Retinopathy of Prematurity, Reibaldi A, Di Pietro M, Malerba E, eds. Amsterdam: Kugler Publications bv, pp. 101-104, 1997.
 4. **Higgins RD**, Mittal M, Dhanireddy R. Retinopathy of prematurity at an urban center: association with Candida sepsis. Progress in Retinopathy of Prematurity, Reibaldi A, Di Pietro M, Malerba E, eds. Amsterdam: Kugler Publications BV, pp. 11-13, 1997.
 5. **Higgins RD**. Retinopathy of Prematurity. Pediatrics E-medicine textbook chapter, 2002.
 6. **Higgins RD**. Retinopathy of Prematurity. Pediatrics E-medicine textbook chapter, 2006.
 7. Book of Proceedings of the New York Academy of Sciences, "Resilience in Children Conference." Co-sponsored by Brown Medical School and organized by Dr. Barry Lester. LaGasse, L.L. Hammond, J., Liu, L., Lester, B.M., Shankaran, S., Bada, H., Bauer, C., **Higgins, R.**, Das, A. Violence and Delinquency, Early Onset Drug use, and Psychopathology in Drug Exposed Youth at 11 Years. Annals of The New York Academy of Sciences, vol. 1094, p. 313-318.
 8. Book of Proceedings of the New York Academy of Sciences, "Resilience in Children Conference." Co-sponsored by Brown Medical School and organized by Dr. Barry Lester. Sheinkopf, S.J., LaGasse, L.L., Lester, B.M., Liu, J.L. Seifer, R., Bauer, C.R., Shankaran, S., Bada, H., **Higgins, R.**, Das, A. Prenatal Cocaine Exposure: Cardiorespiratory Function and Resilience. Annals of The New York Academy of Sciences, vol. 1094, p. 354.
 9. Protocols for High-Risk Pregnancies edited by John T. Queenan, John C. Hobbins, and Catherine Y. Spong. **Higgins, RD**. Cooling for Hypoxic Ischemic Encephalopathy, Blackwell Publishing Limited, 2009.
 10. Textbook of Clinical Pediatrics, 2nd Edition, edited by Martin Keszler and William Oh. **Higgins RD**. Eye disorders of the newborn, *in press*, Spring, 2011.

11. Care of the High-Risk Infant edited by AA Fanaroff and JM Fanaroff. Walsh MC and **Higgins RD**. Evidence-based medicine and the role of networks in generating evidence. Elsevier Saunders, Philadelphia, PA, 2013.
12. Neonatal Neural Rescue, edited by AD Edwards, DV Azzopardi and AJ Gunn. Shankaran S and Higgins RD. Novel Uses of Hypothermia. Cambridge University Press, Cambridge, UK, 2013.
13. Neonatal Encephalopathy and Neurologic Outcome, 2nd ed., chair, Mary D'Alton, edited by ACOG and AAP. Higgins, RD. Chapter 11, Neonatal Interventions. American College of Obstetricians and Gynecologists, Washington, DC, 2014.

INVITED MODERATOR ACTIVITIES

Moderator, Follow Up of Retinopathy of Prematurity, September 24, 1997 at the Retinopathy of Prematurity World Meeting, Taormina, Italy.

Moderator, October 2, 2000 at the Mid-Atlantic Neonatology Fall Research Retreat, Irvington, VA.

Moderator, March 23, 2001 at the Washington Biomedical Ethics Retreat, Washington, DC.

Moderator, Retinopathy of Prematurity, May 1, 2001 at the American Pediatric Societies Annual Meeting, Baltimore, Maryland.

Moderator, September 24, 2001 at the Mid-Atlantic Neonatology Fall Research Retreat, Hershey, Pennsylvania.

Moderator, Neonatal Ethics, November 3, 2001 at the Kennedy Institute of Ethics, High School Bioethics Curriculum Project, Washington, DC.

Moderator, March 15, 2002 at the Washington Biomedical Ethics Retreat sponsored by the University of Pittsburg, Washington, DC.

Moderator, September 13, 2002 at the "Meeting people where they are: palliative care across health settings" sponsored by DC Partnership to Improved End of Life Care, Georgetown University School of Nursing and Health Studies, Washington, DC.

Moderator, September 29-October 1, 2002 at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Facilitator, February 10, 2003 at the NICHD/FDA Newborn Drug Development Initiative, Baltimore, MD.

Moderator, July 21-22, 2003 at the NICHD Conference "Research on Prevention of Bilirubin-Induced brain Injury and Kernicterus: Bench to Bedside," Bethesda, Maryland.

Chair, August 21, 2003 for “Preparation for Clinical Trial Workshop,” at the 15th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, August 21, 2003 for “Clinical Trials Workshop: Mock Study Section,” at the 15th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Co-Chair and Moderator, January 15-16, 2004 at NICHD-AAP Workshop, Rockville, MD.

Co-Chair and Moderator, March 4-5, 2004 at the NICHD workshop on Perinatal Care at the border of Viability, Potomac, Maryland.

Co-Chair and Moderator, March 23-24, 2004 at the NIDA/NICHD Conference: Long Term Follow Up of Prenatal Drug Exposure: Advances, Challenges, and Opportunities, Bethesda, MD.

Co-Facilitator for the Pulmonary Working Group, March 29-30, 2004 at the NICHD/FDA Newborn Drug Development Initiative Workshop, Baltimore, MD.

Chair, August 26, 2004 for “Preparation for Clinical Trial Workshop,” at the 15th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, August 26, 2004 for “Clinical Trials Workshop: Mock Study Section,” at the 15th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, October 3-5, 2004 at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Invited Discussant and Peer Reviewer, December 12-14, 2004 at Hot Topics in Neonatology, Washington, DC.

Invited Discussant, January 23-29, 2005 at the International Liaison Committee on Resuscitation, Dallas, TX.

Co-Chair and Moderator, May 18-19, 2005 at the NICHD workshop on Asphyxia and Hypothermia: Opportunities and Challenges, Washington, DC.

Co-Chair and Moderator, July 18-19, 2005 at the NICHD workshop on Optimizing Care and Long-term Outcome of Near-term Pregnancy and Near-term Newborn Infant, Bethesda, Maryland.

Co-Chair and Moderator, August 8-9, 2005 at the NICHD Workshop on Oxygen in Neonatal Therapies: Controversies and opportunities for Research, Potomac, Maryland.

Moderator, August 25, 2005 for “Clinical Trials Workshop,” at the 17th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, August 26, 2005 for “Mock Study Section,” at the 17th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, August 27, 2005 for “The Newborn Infant,” at the 17th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, Mid-Atlantic Perinatal Conference, September 27, 2005, Hershey, PA.

Invited Discussant and Peer Reviewer, December 4-6, 2005 at Hot Topics in Neonatology, Washington, DC.

Moderator, August 21-22, 2006 for NICHD/NINDS Perinatal Arterial Stroke Workshop, Bethesda, Maryland.

Moderator, August 24, 2006 for “Clinical Trials Workshop,” at the 18th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, August 25, 2006 for “Mock Study Section,” at the 18th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen Colorado.

Moderator, September 24-26, 2006, at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Invited Discussant and Peer Reviewer, December 3-5, 2006 at Hot Topics in Neonatology, Washington, DC.

Chair, PAS Topic Symposium New Therapies and Preventive Approaches for Necrotizing Enterocolitis, May 5, 2007 at the Pediatric Academic Societies Meeting, Toronto, Ontario, Canada

Moderator, August 23, 2007 for “Clinical Trials Workshop,” at the 19th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 24, 2007 for “Mock Study Section,” at the 19th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Rapporteur, NICHD Workshop - Antenatal Testing: A Reevaluation, August 27-28, 2007, Rockville, MD.

Moderator, Case Study, Clinical and Translational Science Awards, Pediatric Oversight Committee Workshop, Challenges in the Review of Pediatrics Research for Institutional Review Boards, NIH, September 11, 2007, Rockville, MD.

Invited Discussant and Peer Reviewer, December 2-4, 2007 at Hot Topics in Neonatology, Washington, DC.

Rapporteur, NICHD Workshop – Fetal Monitoring Workshop, April 28-29, 2008, Rockville, MD.

Moderator, Neonatal Patient Oriented Research IV, May 5, 2008 at the American Pediatric Societies Annual Meeting, Honolulu, Hawaii.

Moderator, Newer Insights into Neonatal Hyperbilirubinemia from Bench to Bedside, May 6, 2008 at the American Pediatric Societies Annual Meeting, Honolulu, Hawaii.

Rapporteur, Quality of Care and Health Services, Workgroup 6, Surgeon General's Conference on the Prevention of Preterm birth, June 16-17, 2008 Rockville, MD.

Co-Chair and Moderator, August 7-8, 2008 at the NICHD Workshop on Infection in the High Risk Infant, Potomac, Maryland.

Co-Moderator, August 21, 2008 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 20th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 21, 2008 for “Clinical Trials Workshop,” at the 20th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 22, 2008 for “Mock Study Section,” at the 20th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Co-Chair and Moderator, September 8-9, 2008 at the NICHD Workshop on Hypoglycemia in the High Risk Infant, Potomac, Maryland.

Invited Discussant and Peer Reviewer, December 7-9, 2008 at Hot Topics in Neonatology, Washington, DC.

Moderator, NICHD Workshop, Safe and Effective Instruments and Devices for Use in NICU, February 12-13, 2009, Rockville, MD.

Planning Chair, NIH Consensus Development Conference: Inhaled nitric oxide in preterm infants, April 19-21, 2009, Bethesda, MD

Moderator and Co-Chair, PAS Hot Topic Evidence Based Decision Making at Extremely Low Gestational Age – Data and Practical Applications, May 5, 2009, Baltimore, MD

Co-Moderator, August 27, 2009 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 21st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 27, 2009 for “Clinical Trials Workshop,” at the 21st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 28, 2009 for “Mock Study Section,” at the 21st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Co-Chair and Moderator, September 10-11, 2009 at the NICHD Workshop on Nutritional Challenges in the High Risk Infant, Rockville, Maryland.

Invited Discussant and Peer Reviewer, December 6-8, 2009 at Hot Topics in Neonatology, Washington, DC.

Higgins RD and Blaisdell C, Moderators for Outcomes from the NHLBI-NICHD SUPPORT trial: the surfactant positive airway pressure and pulse oximetry trial in extremely low birth weight (elbw) infants. Presented at the American Thoracic Society Annual International Meeting, May 16, 2010, New Orleans, LA.

Co-Chair and Moderator, August 9-10, 2010 at the NICHD Workshop on Hypoxic Ischemic Encephalopathy: Opportunities and Challenges, Bethesda, Maryland.

Moderator, August 16-17, 2010 at the NICHD Workshop on Patient Safety in the Setting of Neonatal Intensive Care, Bethesda, Maryland.

Co-Moderator, August 26, 2010 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 22st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 26, 2010 for “Clinical Trials Workshop,” at the 22st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Moderator, August 27, 2010 for “Mock Study Section,” at the 22st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado.

Planning Committee Chair, NIH Consensus Development Conference: Inhaled nitric oxide in preterm infants, October 27-29, 2010, Bethesda, MD.

Invited Discussant and Peer Reviewer, December 5-7, 2010 at Hot Topics in Neonatology, Washington, DC.

Program Chair, December 5, 2010 for “Utilizing Gentle Ventilatory Strategies,” Healthmatters CME, Washington, DC.

Moderator, Neonatal Clinical Trials Session I, April 30, 2011 at the American Pediatric Societies Annual Meeting, Denver, CO.

Moderator, August 18, 2011 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 23rd Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 18, 2011 for “Clinical Trials Workshop,” at the 23rd Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 19, 2011 for “Mock Study Section,” at the 23rd Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 16, 2012 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 24th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 16, 2012 for “Clinical Trials Workshop,” at the 24th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 17, 2012 for “Mock Study Section,” at the 24th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Coloquia Debate: Therapeutic Hypothermia in Hypoxic Ischemic Encephalopathy. Presented November 16, 2012 at 21st Congresso Brasileiro de Perinatologia, Brazilian Society of Pediatrics, Curitiba, Brazil.

Invited Discussant, Hot Topics in Neonatology, December 2-4, 2012, Washington, DC.

Rapporteur, NICHD Workshop –Fetal Imaging, December 13-14, 2012, Rockville, MD.

Rapporteur, NICHD/SMFM Periviable Birth: Obstetrical and Neonatal Considerations Workshop, February 12-13, 2013, San Francisco, CA

Breakout Group Leader, Developing the Feasible Neonatal Acute Kidney Injury Study, Neonatal Acute Kidney Injury Workshop, April 9, 2013, Rockville, MD.

Co-Chair and Moderator, Neonatal Encephalopathy and Hypoxic Ischemic Encephalopathy: Advancing the Science and Improving Outcomes, NIH, May 8-9, 2013, Bethesda, MD.

Moderator, August 15, 2013 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 25th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 15, 2013 for “Clinical Trials Workshop,” at the 25th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 16, 2013 for “Mock Study Section,” at the 25th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Invited Panelist, October 29, 2013 at FDA/ A.S.P.E.N. Public Workshop: Clinical Trial Design for Intravenous Fat Emulsion Products, Silver Spring, MD

Co-Chair and Moderator, Genomics, Transcriptomics, and Proteomics of Pregnancy and Infancy Workshop, NIH, December 3-4, 2013, Rockville, MD.

Invited Discussant, Hot Topics in Neonatology, December 8-11, 2013, Washington, DC.

Moderator, Identifying and Addressing Health Research Challenges, NIH-CDC Workshop on Tobacco and Reproductive Health, January 22, 2014, Bethesda, MD.

Co-Leader, Navigating the NIH Peer Review Process, PAS Workshop, Pediatric Academic Societies Meeting, May 5, 2014, Vancouver, BC, Canada.

Moderator, August 14, 2014 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 26th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 14, 2014 for “Clinical Trials Workshop,” at the 26th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 15, 2014 for “Mock Study Section,” at the 26th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Invited Discussant, Hot Topics in Neonatology, December 7-10, 2014, Washington, DC.

Co-Chair and Moderator, Chorioamnionitis Workshop, NICHD, NIH, January 26-27, 2015, Rockville, MD.

Rapporteur, February 2, 2015 for “Female Genital: Reproductive Health Breakout Group” at “Research Needs for Effective Transition in Lifelong Care of Congenital Genitourinary Conditions,” Bethesda, MD.

Co-Leader, Navigating the NIH Peer Review Process, PAS Workshop, Pediatric Academic Societies Meeting, April 28, 2015, San Diego, CA.

Moderator, April 29, 2015 for “Cardiopulmonary Resuscitation,” 4th Neonatal Resuscitation Research Workshop, San Diego, CA.

Moderator, May 19, 2015 for “Applying Regulatory Science to Neonates: Launch of the International Neonatal Consortium,” Expert Panel Session, London, United Kingdom.

Moderator, June 24, 2015 for Mock Study Session at the International Children’s Advisory Network (iCAN) Launch and Research Summit, Washington, DC.

Rapporteur, NICHD Workshop –Adults born preterm: epidemiology and biologic basis for adult outcomes, August 14, 2015, Rockville, MD.

Moderator, August 20, 2015 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 27th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 20, 2015 for “Clinical Trials Workshop,” at the 27th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 21, 2015 for “Mock Study Section,” at the 27th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Invited Discussant, Hot Topics in Neonatology, December 6-9, 2015 Washington, DC.

Moderator, Neonatal Abstinence Workshop, NICHD, NIH, April 4-5, 2016, Rockville, MD.

Moderator, May 1, 2016, for “Topic Symposium: The Improved Meta-Analysis: The Individual Participant Data Prospective Meta-Analysis of Oxygen Saturation Targeting Trials,” at the Pediatric Academic Societies Meeting, Baltimore, MD.

Poster Facilitator, May 1, 2016, for “Follow Up: Outcomes and Special Populations,” at the Pediatric Academic Societies Meeting, Baltimore, MD.

Poster Facilitator, May 3, 2016, for “Neonatal Neurology: HIE and Neuroprotection,” at the Pediatric Academic Societies Meeting, Baltimore, MD.

Poster Facilitator, May 3, 2016, for “Neonatology: Neonatal Potpourri: ICU Care, Outcomes and Follow Up,” at the Pediatric Academic Societies Meeting, Baltimore, MD.

Moderator, August 18, 2016 for “Lunch discussion group: Financing, Planning, and

Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the 28th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 18, 2016 for “Clinical Trials Workshop,” at the 28th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, August 19, 2016 for “Mock Study Section,” at the 28th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Invited Discussant, Hot Topics in Neonatology, December 6-7, 2016 Washington, DC.

Moderator, May 7, 2017 for “Neonatal Neurology II- Preterm Infants” at the Pediatric Academic Societies Meeting, San Francisco, CA.

Moderator, May 8, 2017 for “Prenatal and Perinatal Practices and Avery Award Presentation” at the Pediatric Academic Societies Meeting, San Francisco, CA.

Moderator, September 6, 2017 for “Clinical Trials Workshop,” at the 29th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Moderator, September 7, 2017 for “Mock Study Section,” at the 29th Annual NICHD Young Investigators Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Chicago, IL.

Invited Discussant, Hot Topics in Neonatology, December 10-12, 2017, Washington, DC.

Moderator, August 27, 2018 for “Lunch discussion group: Financing, Planning, and Balancing a Research Career and Professional/Nonprofessional Obligations Clinical Trials Workshop,” at the Annual NICHD Clinician Scientist investigator Meeting, Potomac, MD.

Moderator, August 28, 2018 for “Clinical Trials Session,” at the Annual NICHD Clinician Scientist investigator Meeting, Potomac, MD.

Moderator, August 29, 2018 for “Mock Study Section,” at the Annual NICHD Clinician Scientist investigator Meeting, Potomac, MD.

Lead Discussant, October 2, 2018 for “Characterizing Data Sources for Endpoint and Clinical Outcome Assessments Development Opportunities,” at Advancing Endpoint Development for Preterm Neonates with Pulmonary Morbidities, Washington, DC.

INVITED LECTURES AND PRESENTATIONS

Higgins RD, Phelps DL, Horowitz S, Shapiro DL. Hypoxic culture induces basic fibroblast growth factor (bFGF) mRNA expression in retinoblastoma cells. Presented May 1, 1990 at

Association for Research in Vision and Ophthalmology, Sarasota, Florida, and May 7, 1990 at The Society of Pediatric Research in Anaheim, California.

Higgins RD, Richter SE, Shapiro DL, Davis JM. Nasal continuous positive airway pressure (NCPAP) facilitates successful extubation in very low birth weight (VLBW) infants. Presented May 8, 1990 at the Society of Pediatric Research in Anaheim, California.

Higgins RD, "Follow-up of the Neonatal Intensive Care Unit Graduate." Presented 7/8/90 at the Yates County Chapter of the New York State American Academy of Family Practice Meeting.

Higgins RD, Phelps DL, Horowitz S. Oxygen regulates basic fibroblast growth factor mRNA in cultured Y79 retinoblastoma cells. Presented at Keystone Symposia, April 6, 1991, Keystone Colorado.

Higgins RD, "Car seats in Premature Infants." Presented 4/11/91 at the 8th Annual Townsend Teaching Day in Neonatology, Rochester, New York.

Higgins RD, "Examination of the Newborn." Presented 10/16/91 at Health Services Division, United States Public Health Service, United States Coast Guard, Governors' Island, New York.

Higgins RD, "Retinopathy of Prematurity and Angiogenic Growth Factors." Presented 2/20/92 at the Pediatric Investigators Research Conference, New York University School of Medicine, New York, New York.

Higgins RD, "Angiogenesis and Retinopathy of Prematurity." Presented 6/3/92 at Kids of NYU Research Symposium, New York University School of Medicine, New York, NY.

Higgins RD, "Retinopathy of Prematurity." Presented 11/10/92 at Pediatric Grand Rounds at Winthrop University Hospital, Mineola, New York.

Higgins RD, "Retinopathy of Prematurity and Angiogenesis." Presented 11/12/92 at Neonatology Research Seminar at Albert Einstein College of Medicine, Bronx, New York.

Higgins RD, "Retinopathy of Prematurity." Presented 3/23/93 at Pediatric Grand Rounds at New York University Medical Center, New York, New York.

Higgins RD, "Retinopathy of Prematurity." Presented 4/29/93 at Pediatric Grand Rounds at the Metropolitan Hospital Center, New York, New York.

Higgins RD, "Retinopathy of Prematurity." Presented 6/4/93 at the Nineteenth Annual NYU Pediatric Alumni Day and Bellevue Homecoming and Seventeenth Annual L. Emmett Holt, Jr. Memorial Lecture at New York University Medical Center, New York, New York.

Higgins RD, "Retinopathy of Prematurity." Presented 12/10/93 at Pediatrics Grand Rounds at The Brooklyn Hospital, Brooklyn, New York.

Higgins RD, "Retinopathy of Prematurity." Presented 1/7/94 at Pediatric Grand Rounds at St. Vincent's Hospital of Richmond, Staten Island, New York.

Higgins RD, "Advances in Neonatology: Retinopathy of Prematurity." Presented 1/20/94 at The Bonventre Continuing Medical Education Program at The Brooklyn Hospital Center, Brooklyn, New York.

Higgins RD, "Retinopathy of Prematurity: From Bench to Bedside." Presented 4/8/94 at the Biology Seminar at Siena College, Loudonville, New York.

Higgins RD, Hendricks-Munoz KD, Caines VV, Gerrets RP, Rifkin DB. Hyperoxia increases endothelin-1 secretion from endothelial cells. Presented May 2, 1994 at the Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, Florida.

Higgins RD, "Retinopathy of Prematurity and Angiogenesis." Presented 5/9/94 at Perinatal Emphasis Research Seminar at New York University, New York, New York.

Higgins RD, Hendricks-Munoz KD, Caines VV, Gerrets RP, Rifkin DB. Hyperoxia increases endothelin-1 secretion from endothelial cells. Presented November 2, 1994 at the Greater New York Perinatal Meeting, Glen Cove, New York.

DeFeo MJ, **Higgins RD**, Hendricks-Munoz KD. Prenatal cocaine exposure does not reduce the incidence and severity of respiratory distress syndrome in premature infants. Presented November 2, 1994 at the Greater New York Perinatal Meeting, Glen Cove, New York.

Higgins RD, Hendricks-Munoz KD, Gerrets RP, Caines VV, Rifkin DB. Modulation of hyperoxic induced endothelin-1 secretion from retinal endothelial cells by captopril and nifedipine. Presented May 14, 1995 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Zagzag D, Friedlander DR, Jallo GI, Schiff B, **Higgins RD**, Grumet M. Tenascin-C promotes migration of bovine retinal endothelial cells. Presented February 12-12, 1996 at the IBC Conference: Angiogenesis and Ocular Disease, Boston, Massachusetts.

Higgins RD, Hendricks-Munoz KD. Risk factors for retinopathy of prematurity in an urban population. Presented April 24, 1996 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Sanders RJ, Cullen MA, Giancotti FG, **Higgins RD**. Integrin expression in the developing mouse retina. Presented April 21, 1996 and awarded the ARVO travel fellowship at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Higgins RD, Mendelsohn AL, DeFeo MJ, Ucsel R, Hendricks-Munoz KD. Association of antenatal dexamethasone with decreased severity of retinopathy of prematurity. Presented May 7, 1996 at the Society for Pediatric Research Annual Meeting, Washington, D.C.

Higgins R, "Retinopathy of Prematurity." Presented 6/18/96 at the 22nd Annual New York University Pediatric Alumni Day and Bellevue Homecoming and 20th Annual L. Emmett Holt, Jr. Memorial Lecture at New York University Medical Center, New York, New York.

Higgins RD. Sanders RJ, Rifkin DB. Oxygen induced retinopathy in the mouse: retinal scoring system. Presented November 1, 1996 at the International Conference on Retinopathy of Prematurity, Chicago, Illinois.

Sanders RJ, **Higgins RD**, Williams J, Zazloff M. Squalamine inhibits oxygen induced retinopathy in the mouse. Presented November 1, 1996 at the International Conference on Retinopathy of Prematurity, Chicago, Illinois.

Higgins RD, "Hot Topics In Neonatology: Retinopathy of Prematurity." Presented 11/6/96 at Department of Obstetrics and Gynecology Grand Rounds at Georgetown University Medical Center, Washington, DC.

Higgins, RD, "Retinopathy of Prematurity." Presented 11/8/96 at Pediatrics Grand Rounds at Georgetown University Medical Center, Washington, DC.

Mittal M, Dhanireddy R, **Higgins RD**. Candida sepsis increases the severity of retinopathy of prematurity in extremely low birth weight (≤ 1000 grams) infants. Presented May 5, 1997 at the Society for Pediatric Research Annual Meeting, Washington, D.C.

Sanders RJ, **Higgins RD**, Williams JI, Zazloff M. Inhibition of Oxygen Induced retinopathy in the mouse by squalamine. Presented May 5, 1997 at the Society for Pediatric Research Annual Meeting, Washington, DC.

Higgins RD, "Retinopathy of Prematurity." Presented 5/9/97 at Current Trends in Neonatal Nursing, Washington Metropolitan Association of Neonatal Nurses, National Institutes of Health, Bethesda, Maryland.

Higgins RD, "Retinopathy of Prematurity." Presented 5/20/97 at Pediatric Grand Rounds, Holy Cross Hospital, Silver Spring, Maryland.

Higgins RD, "Oxygen-Induced Retinopathy." Presented 5/22/97 at Fibroblast Growth Factor Meeting, Lombardi Cancer Center, Georgetown University Medical Center, Washington, DC.

Higgins RD, "Modulation of vasoconstriction in retinopathy of prematurity." Presented 9/3/97 at the Department of Pediatrics Research Seminar, Georgetown University Medical Center, Washington, DC.

Higgins RD, Mittal M, Dhanireddy R. Retinopathy of prematurity at an urban center: association with Candida sepsis. Presented September 22, 1997 at the Retinopathy of Prematurity World Meeting, Taormina, Italy.

Higgins RD. The role of endothelin-1 in hyperoxic injury to retinal endothelial cells. Presented September 23, 1997 at the Retinopathy of Prematurity World Meeting, Taormina, Italy.

Higgins RD, Rotschild T, Nandgaonkar B. Oxygen Induced retinopathy in the mouse. Presented September 23, 1997 at the Retinopathy of Prematurity World Meeting, Taormina, Italy.

Nandgaonkar BN, Rotschild T, Yu K, **Higgins RD**. Indomethacin decreases the severity of oxygen induced retinopathy in the mouse. Presented October 7, 1997 at the Mead Johnson Symposium, Hershey, Pennsylvania.

Rotschild T, Nandgaonkar BN, Yu K, **Higgins RD**. Dexamethasone decreases the severity of oxygen induced retinopathy in the mouse. Presented October 7, 1997 at the Mead Johnson Symposium, Hershey, Pennsylvania.

Higgins RD, "Retinopathy of Prematurity." Presented October 17, 1997 at the Department of Pediatrics Grand Rounds, Alexandria Hospital, Alexandria, Virginia.

Nandgaonkar BN, Rotschild T, Yu K, **Higgins RD**. Indomethacin decreases the severity of oxygen induced retinopathy in the mouse. Presented May 4, 1998 at the Society of Pediatric Research Annual Meeting, New Orleans, Louisiana.

Higgins RD, Yu K, Nandgaonkar B, Rotschild T. Improvement of retinal neovascularization with diltiazem in an animal model of retinopathy of prematurity. Presented May 4, 1998 at the Society for Pediatric Research Annual Meeting, New Orleans, Louisiana.

Rotschild T, Nandgaonkar B, Yu K, **Higgins RD**. Dexamethasone improves oxygen induced retinopathy in the mouse. Presented May 4, 1998 at the Society for Pediatric Research Annual Meeting, New Orleans, Louisiana.

Higgins RD, Yu K, Nandgaonkar B, Rotschild T. Diltiazem reduces retinal neovascularization in a mouse model of oxygen induced retinopathy. Presented May 13, 1998 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Rorke J, **Higgins RD**. Quality improvement intervention utilizing percutaneous central catheters in a neonatal intensive care unit. Presented May 31, 1998 at the Neonatal Advanced Practice Nursing: Forum, 1998, Washington, DC.

Higgins RD, "Retinopathy of Prematurity: Update." Presented June 5, 1998 at the Division of Neonatology Grand Rounds, Georgetown University Medical Center, Washington, DC.

Higgins RD, Wang Y, Yu K, Wolfe BB. Regulation of NMDA receptors in the mouse retina. Presented October 4, 1998 at the Mid-Atlantic Neonatology Fall Research Retreat, Irvington, Virginia.

Tadesse M, Dhanireddy R, Mittal M, **Higgins RD**. Racial variation for surgical treatment of retinopathy of prematurity. Presented October 5, 1998 at the Mid-Atlantic Neonatology Fall Research Retreat, Irvington, Virginia.

Higgins RD. "The influence of c-abl genotype and squalamine on retinopathy." Presented March 3, 1999 at the Pediatric Research Seminar, Department of Pediatrics, Georgetown University Medical Center, Washington, DC.

Higgins RD. "Retinopathy of Prematurity: Clinical Update." Presented March 5, 1999 at Pediatric Grand Rounds, Georgetown University Medical Center, Washington, DC.

Tadesse M, Yan Y, Yossuck P, **Higgins RD**. Captopril reduces retinal neovascularization in a mouse model of ROP. Presented May 3, 1999 at the Society for Pediatric Research Annual Meeting, San Francisco, CA.

Tadesse M, Dhanireddy R, Mittal M, **Higgins RD**. Racial susceptibility for surgical treatment in retinopathy of prematurity. Presented May 3, 1999 at the Society for Pediatrics Research Annual Meeting, San Francisco, CA.

Higgins RD, Wang YH, Yu K, Wolfe BB. Developmental and oxygen regulation of NMDA and AMPA receptors in the mouse retina. Presented May 3, 1999 at the Society for Pediatric Research Annual Meeting, San Francisco, CA.

Higgins RD, Yan Y, Zasloff M, Williams JI. Improvement of retinal neovascularization with single dose squalamine. Presented May 3, 1999 at the Society for Pediatric Research Annual Meeting, San Francisco, CA.

Higgins RD, Yan Y, Zasloff M, Williams JI. Single dose squalamine reduces retinal neovascularization in a mouse model. Presented May 13, 1999 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Higgins RD, "ROP: Explaining Outcomes to Parents." Presented May 24, 1999 at Vermont and New Hampshire Regional Perinatal Programs Neonatal Advanced Practice Nursing: Forum '99, Washington, DC.

Higgins RD, "Round Table Discussion on the Limits of Viability." Presented May 25, 1999 at Vermont and New Hampshire Regional Perinatal Programs Neonatal Advanced Practice Nursing: Forum '99, Washington, DC.

Yossuck P, Yan Y, Tadesse M, **Higgins RD**. Critical effect of timing of dexamethasone on oxygen-induced retinopathy. Presented October 4, 1999 at the Mid-Atlantic Conference on Perinatal Research, Hershey, PA.

Yoon HZ, Yan Y, **Higgins RD**. Neuropeptide Y expression in oxygen-induced retinopathy in the mouse. Presented October 5, 1999 at the Mid-Atlantic Conference on Perinatal Research, Hershey, PA.

Higgins RD. Oxygen Induced Retinopathy in the Mouse. Presented March 24, 2000 at EntreMed, Inc., Rockville, MD.

Higgins RD, Yan Y, Yossuck P, Tadesse M, Zasloff M, Williams JI. Arrest and possible regression of retinal neovascularization with late squalamine treatment. Presented May 3, 2000 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Yossuck P, Yan Y, Tadesse M, **Higgins RD**. TNF- α expression in oxygen induced retinopathy in the mouse. Presented May 14, 2000 at the Society for Pediatric Research Annual Meeting, Boston MA.

Yoon HZ, Yan Y, Yossuck P, **Higgins RD**. Neuropeptide Y expression in oxygen induced retinopathy. Presented May 14, 2000 at the Society for Pediatric Research Annual Meeting, Boston MA.

Higgins RD, Nunes I, Yan Y, Goff SP. Protection from oxygen induced retinopathy in c-abl deficient mice. Presented May 14, 2000 at the Society for Pediatric Research Annual Meeting, Boston MA.

Higgins RD, Yan Y, Yossuck P, Tadesse M, Zasloff M, Williams JI. Arrest and possible regression of retinal neovascularization with late squalamine treatment. Presented May 15, 2000 at the Society for Pediatric Research Annual Meeting, Boston MA.

Tadesse M, Yan Y, Yossuck P, **Higgins RD**. Regulation of endothelin-1 in oxygen induced retinopathy. Presented May 15, 2000 at the Society for Pediatric Research Annual Meeting, Boston MA.

Higgins RD. Retinopathy of Prematurity: Update 2000. Presented June 2, 2000 at Pediatric Grand Rounds, Georgetown University Medical Center, Washington, DC.

Higgins RD. Retinopathy of Prematurity: Update 2000. Presented July 7, 2000 at Neonatal Grand Rounds, Georgetown University Medical Center, Washington, DC.

Tadesse M, Yan Y, Yossuck P, **Higgins RD**. Captopril reduces retinal neovascularization through its effect on endothelin-1 expression. Presented October 2, 2000 at the Mid-Atlantic Neonatology Fall Research Retreat, Irvington, VA.

Toral JC, Yan Y, **Higgins RD**. Inducible and endothelial nitric oxide synthase expression in oxygen induced retinopathy. Presented October 2, 2000 at the Mid-Atlantic Neonatology Fall Research Retreat, Irvington, VA.

Higgins RD. Oxygen induced retinopathy in the mouse and retinopathy of prematurity. Presented October 10, 2000 at Oculex, San Jose, California.

Higgins RD. Retinopathy of Prematurity: Update 2000. Presented November 29, 2000 at Grand Rounds, INOVA Alexandria Hospital, Alexandria, Virginia.

Higgins RD. ACGME Recommendations on Professionalism. Presented January 26, 2001 at Neonatal Grand Rounds, Georgetown University Hospital, Washington, DC.

Higgins RD. Ethics in Obstetrics and Perinatology. Presented March 23, 2001 at the Washington Biomedical Ethics Retreat, Washington, DC.

Higgins RD. Retinopathy of prematurity, a sight-threatening problem. Presented April 14, 2001 at the Knights Templar Eye Foundation National Meeting, Hotel Washington, Washington, DC.

Ari E, Yan Y, **Higgins RD**. Expression of cyclo-oxygenase 1 and cyclo-oxygenase 2 in oxygen induced retinopathy. Presented April 30, 2001 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Higgins RD, Tadesse M, Yan Y, Yossuck P. Captopril improves retinopathy through an ET-1 mediated alteration in the mouse. Presented April 30, 2001 at the Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale, Florida.

Yoon HZ, Yan Y, **Higgins RD**. Neuropeptide Y1 and Y2 receptor expression in oxygen induced retinopathy. Presented May 1, 2001 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Toral JC, Yan Y, **Higgins RD**. Inducible and endothelial nitric oxide synthase expression in oxygen induced retinopathy. Presented May 1, 2001 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Higgins RD, Tadesse M, Yan Y, Yossuck P. Captopril suppresses endothelin-1 expression in retinopathy. Presented May 1, 2001 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Higgins RD. Retinopathy of Prematurity: Pathogenesis and Mechanisms. Presented May 17, 2001 at the Pediatric Research Seminar, Department of Pediatrics, Georgetown University Medical Center, Washington, DC.

Higgins RD. ACGME Recommendations on professionalism. Presented September 7, 2001 at Pediatric Grand Rounds, Georgetown University, Washington, DC.

Higgins RD, Tadesse M, Yan Y, Yossuck P. Endothelin-1 mediates the protective effect of captopril on retinopathy. Scheduled for September 19, 2001 at the Seventh International Conference on Endothelin, University of Edinburgh, Edinburgh, Scotland - Cancelled due to the events of September 11, 2001.

Yan Y, **Higgins RD.** Angiotensin converting enzyme inhibition decreases vascular endothelial growth factor in retinopathy. Presented September 25, 2001 at the Mid-Atlantic Neonatology Fall Research Retreat, Hershey, Pennsylvania.

Ari E, Yan Y, **Higgins RD.** Indomethacin inhibits cyclo-oxygenase II expression in retinopathy. Presented September 24, 2001 at the Mid-Atlantic Neonatology Fall Research Retreat, Hershey, Pennsylvania.

Higgins RD. Retinopathy and retinal vessel tone. Presented October 26, 2001 at Neonatal Grand Rounds, Georgetown University, Washington, DC.

Higgins RD. Retinopathy and retinal vessel tone. Presented October 30, 2001 at the Nephrology, Hypertension and Endocrinology Seminar Series, Georgetown University, Washington, DC.

Higgins RD. ACGME recommendations on professionalism. Presented on February 19, 2002 at Pediatric Grand Rounds at Washington Hospital Center, Washington, DC.

Higgins RD. Retinopathy of prematurity, update 2002. Presented on March 5, 2002 at Pediatric Grand Rounds at Washington Hospital Center, Washington, DC.

Higgins RD. Ethics in Obstetrics and Perinatology. Presented March 15, 2002 at the Washington Biomedical Ethics Retreat sponsored by the University of Pittsburg, Washington, DC

Higgins RD. Retinopathy and retinal vascular tone. Presented April 9, 2002 at the Pediatric Research Seminar at University of Maryland, Baltimore, Maryland.

Higgins RD. Professionalism. Presented April 25, 2002 at Georgetown University, Department of Pediatrics, Washington, DC.

Higgins RD. Retinopathy and retinal vessel tone. Presented May 1, 2002 at the Pediatric Research Seminar, Georgetown University, Washington, DC.

Higgins RD, Yan Y, Schrier BK. Somatostatin analogues inhibit retinal neovascularization. Presented May 5, 2002 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Higgins RD, Yan Y, Geng Y. Angiotensin converting enzyme inhibition alters VEGF and VEGF-R2 expression in retinopathy. Presented May 7, 2002 at the Pediatric Academic Societies Annual Meeting, Baltimore, Maryland.

Higgins RD. Professionalism. Presented June 12, 2002 at Georgetown University, Neonatology Grand Rounds, Department of Pediatrics, Washington, DC.

Higgins RD. Somatostatin analogues and retinopathy. Presented September 16, 2002 at the Pediatric Research Seminar, Georgetown University, Washington, DC.

Barr S, Sharma J, Geng Y, **Higgins RD**. Captopril modulates vascular endothelial growth factor receptor-2 expression in an oxygen induced retinopathy model. Presented September 29, 2002 at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Sharma J, Barr S, Geng Y, Yan Y, **Higgins RD**. Ibuprofen improves oxygen-induced retinopathy in a mouse model. Presented September 29, 2002 at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Higgins RD. ACGME recommendations on professionalism. Presented on December 10, 2002 at Pediatric Grand Rounds at Washington Hospital Center, Washington, DC.

Sharma J, Rourke J, **Higgins RD**, Keszler M. Five year experience with percutaneous central venous catheter (PCVC) in neonatal intensive care. Presented May 4, 2003 at the Pediatrics Academic Societies Meeting in Seattle, WA.

Barr S, Sharma J, Geng Y, **Higgins RD**. Captopril modulates vascular endothelial growth factor receptor-2 expression in an oxygen induced retinopathy model. Presented May 5, 2003 at the Pediatrics Academic Societies Meeting in Seattle, WA.

Sharma J, Barr S, Geng Y, Yan Y, **Higgins RD**. Ibuprofen improves oxygen-induced retinopathy in a mouse model. Presented May 5, 2003 at the Pediatrics Academic Societies Meeting in Seattle, WA.

Movafagh S, Geng Y, Zukowska-Grojec Z, **Higgins RD**. Improvement in retinopathy in neuro-peptide Y2 receptor knockout mice. Presented May 6, 2003 at the Pediatrics Academic Societies Meeting in Seattle, WA.

Higgins RD. Funding and training opportunities at the NICHD. Presented August 8, 2003 at Georgetown University Hospital Neonatal Grand Rounds in Washington, DC.

Higgins RD. Pumping up the Steroid: Use in the NICU. Presented September 5, 2003 at the Third National Neonatal Nurses Meeting in Las Vegas, Nevada.

Higgins RD. Management of Group B Strep. Presented September 5, 2003 at the Third National Neonatal Nurses Meeting in Las Vegas, Nevada.

Higgins RD. Prematurity Research at NIH and CDC. Presented October 15, 2003 at the March of Dimes Public Affairs Conference in Washington, DC.

Higgins RD. “NICHD Neonatal Research Network: Implications for General Pediatricians.” Presented October 17, 2003 at Georgetown University Pediatric Grand Rounds, Washington, DC.

Higgins RD. “Loan Repayment Programs.” Presented January 16, 2004 at the NICHD-AAP Workshop, Rockville, MD.

Higgins RD. “Update on Neonatal Research Network” presented January 23, 2004 at the Maternal Fetal Medicine Units Network Steering Committee Meeting, Rockville, MD.

Higgins RD. Briefing for the Surgeon General, Dr. Carmona for Birth Day Live, February 6, 2004.

Higgins RD. “Prematurity Research at NIH/NICHD,” presented March 17, 2004 for the Casey Foundation, NICHD, Bethesda, MD.

Higgins RD. “Prematurity Research at NIH/NICHD,” presented March 26, 2004 for the NIH Visit of Delegation from the University of Oslo, NICHD, Bethesda, MD.

Higgins RD for N. Finer. “Pulmonary Working Group Presentation on Apnea,” presented March 29, 2004 at the NICHD/FDA Newborn Drug Development Initiative Workshop, Baltimore, MD.

Higgins RD. “Health issues during infancy,” presented April 17, 2004 at The 15th Annual Black Family Symposium and Luncheon, sponsored by DHHS and NIH, Greenbelt, MD.

Wadhawan R, Perritt R, Poole K, **Higgins R**, Oh W for the NICHD Neonatal Research Network. “Lack of early postnatal weight loss is not associated with an increased risk of BPD in small for gestational age extremely low birth weight infants,” presented May 1, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Shankaran S, Langer J, Bauer C, Bada H, Lester B, Poole K, **Higgins RD**, Wright L for the NICHD Neonatal Research Network. “Neurological correlates at 7 years of age of intrauterine exposure to cocaine and alcohol,” presented May 2, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Broitman E, Ambalavanan N, **Higgins R**, Das A, Bhaskar B, Murray K, Vohr B, Shankaran S, Hintz S, Carlo W for the NICHD Neonatal Research Network. “Cranial ultrasound closer to 36 weeks but not in the first 28 days when combined with clinical variables is predictive of long-term neurodevelopmental outcome,” presented May 3, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Lee BH, Stoll BJ, McDonald SA, **Higgins RD** for the NICHD Neonatal Research Network. “Adverse neonatal outcomes associated with antenatal dexamethasone (AD) versus antenatal betamethasone (AB) in very low birth weight (VLBW) infants,” presented May 3, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Krisa P. Van Meurs, David K. Stevenson, Richard A. Ehrenkranz, James A. Lemons, W. Kenneth Poole, Rebecca Perritt, **Rosemary D. Higgins** and Linda L. Wright, for the Neonatal Research Network. NICHD, Bethesda, MD. “Inhaled Nitric Oxide for Preterm Infants with Severe Respiratory Failure” presented May 3, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Hintz SR, Kendrick DE, Vohr BR, Poole WK, **Higgins RD** for the NICHD Neonatal Research Network. “Are neurodevelopmental outcomes getting worse for extremely preterm, extremely low birth weight (ELBW) infants?” presented May 4, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Duara S, Poindexter BB, Saha S, Ehrenkranz RA, **Higgins RD**, Poole K for the NICHD Neonatal Research Network. “Human milk protection against bronchopulmonary dysplasia (BPD) in extremely low birth weight infants (ELBW),” presented May 4, 2004 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Higgins RD. “Pharmacology Myths and Mantras” presented May 27, 2004 at the Seventh Annual Neonatal Advanced Practice Nursing Forum 2004, Washington, DC.

Higgins RD. “NICHD Neonatal Collaborative Research Network” presented June 2, 2004 at the Pre-application Meeting: NICHD Collaborative Pediatric Critical Care Research Network in Rockville, MD.

Higgins RD. “Funding Opportunities at NICHD,” presented June 5, 2004 at the Ross Perinatal Conference, Santa Fe, NM.

S. Duara, R.A. Ehrenkranz, B. B. Poindexter, S. Saha, **R. D. Higgins**, and K. Poole for the NICHD Neonatal Research Network. “Role of Human Milk in Protecting Against Bronchopulmonary Dysplasia (BPD) in Extremely Low Birth Weight (ELBW) Infants” presented September 10-14, 2004 at the International Society for Research on Human Milk and Lactation Annual Meeting, Cambridge, United Kingdom.

Higgins RD. Funding Mechanisms at NICHD. Presented October 3, 2004 at the Mid-Atlantic Research Retreat. University of Virginia, Charlottesville, VA

Benjamin DK, Stoll BJ, Fanaroff AA, McDonald SA, Oh W, **Higgins RD**, Chapman I, Duara S, Poole WK, Lupton A, Goldberg R. Neonatal candidiasis among infants < 1000 grams birth weight: risk factors, mortality, and neurodevelopmental outcomes at 18-22 months. presented

October 31, 2004 at the 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC.

Higgins RD. Retinopathy of Prematurity: Where we are and where we are going. Presented November 5, 2004 at New Frontiers in Neonatology, University of Cincinnati, Cincinnati, Ohio.

Higgins RD. Update on Neonatal Research Network and Maternal Lifestyle Study. Presented November 19, 2004 at Georgetown University Pediatric Grand Rounds, Washington, DC.

Higgins RD. Follow up clinical studies on prenatal cocaine and alcohol exposure. Presented April 28, 2005 at the PASS network meeting, Rockville, MD.

Higgins RD and Spong CY. PAS Educational Workshop NICHD Neonatal Research Network—How Do I Apply? Presented at the Pediatric Academic Societies Annual Meeting, May 16, 2005, Washington, DC.

Daniel K. Benjamin, Jr., Barbara J. Stoll, Avroy A. Fanaroff, Scott McDonald, William Oh, **Rose D. Higgins**, Shahnaz Duara, Ken Poole, Abbot Laptook, Ron Goldberg. Neonatal Candidiasis Among Extremely Low Birth Weight Infants: Risk Factors, Mortality, and Neuro-Developmental Outcomes at 18-22 Months. Presented May 14, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Mario C. Petersen, Henrietta S. Bada, Seetha Shankaran, Ken Poole, Barry M. Lester, Linda L. Lagasse, Charles R. Bauer, **Rose Higgins**, Abhik Das, Brinda Bhaskar. Factors Affecting Early Intervention in Children Prenatally Exposed to Cocaine. Presented May 17, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Jane Hammond, Daniel Messinger, Abhik Das, Linda LaGasse, Cynthia Miller-Loncar, **Rosemary Higgins**, Barry Lester, Seetha Shankaran, Henrietta Bada, Charles Bauer, Linda Wright, Vincent Smeriglio, Brinda Bhaskar. Actigraphic Measurements of Children Prenatally Exposed to Cocaine: Measuring the Fidget Factor. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

R. A. Gargus, B. R. Vohr, P. C. High, **R. D. Higgins**, J. E. Tyson, L. A. Wrage, W. K. Poole. The Unscathed ELBW Infant at 18 Months. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Susan R. Hintz, Douglas E. Kendrick, Vohr R. Betty, W. K. Poole, **Rosemary D. Higgins**. Gender Differences in Neurodevelopmental Outcomes Among Extremely Preterm, Extremely Low Birth Weight Infants. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Susan R. Hintz, Douglas E. Kendrick, Betty R. Vohr, W. K. Poole, **Rosemary D. Higgins**. Outpatient Special Service Utilization Among Extremely Preterm, Extremely Low Birth Weight Infants. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Linda L. LaGasse, Seetha Shankaran, Henrietta Bada, Jing Liu, Barry M. Lester, Charles R. Bauer, Mario C. Petersen, **Rosemary D. Higgins**, Vincent Smeriglio, Kenneth Poole.

Predictors of Overweight at 9 Years in Cocaine-Exposed Children. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Barry Lester, Emily Liu, Linda LaGasse, Ronald Seifer, Charles Bauer, Seetha Shankaran, Henrietta Bada, Vincent Smeriglio, **Rosemary Higgins**, Kenneth Poole. Neurobiological Dysregulation Model of Prenatal Cocaine Exposure and Behavior Problems at Age 7. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Seetha Shankaran, Abhik Das, Charles Bauer, Barry Lester, **Rosemary Higgins**, Mario Petersen, Linda LaGasse, Carla Bann, Henrietta Bada, Vincent Smeriglio. Prenatal Cocaine Exposure Predicts Increased Blood Pressure at 9 Years of Age. Presented May 14, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

S. Shankaran, A. Laptook, R. Ehrenkranz, J. Tyson, S. McDonald, E. Donovan, A. Fanaroff, K. Poole, L. Wright, **R. Higgins**, R. Goldberg. Reduction in Death or Moderate/Severe Disability by Whole Body Hypothermia for Hypoxic-Ischemic Encephalopathy (HIE). Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

A. A. Fanaroff, **R. D. Higgins**, B. J. Stoll, S. Duara, R. N. Goldberg, E. Hale, A. R. Laptook, N. Newman, W. Oh, W. K. Poole, S. Saha, M. C. Walsh. Survival at the Border of Viability: Influence of Antenatal Corticosteroids (ANS) and Mode of Delivery. Presented May 15, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Ira Adams-Chapman, Nellie Hansen, **Rosemary Higgins**, Barbara J. Stoll. Neurodevelopmental Outcome in ELBW Infants with Post hemorrhagic Hydrocephalus Requiring Shunt Insertion. Presented May 15, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Yvonne E. Vaucher, Rebecca Perritt, Neil N. Finer, **Rosemary D. Higgins**. Uncomplicated Grades 1 and 2 Intraventricular Hemorrhage (IVH) Are Not Associated with Early Childhood Neurodevelopmental Disability in Extremely Low Birth Weight (ELBW) Infants. Presented May 15, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

B.J. Stoll, N. Hansen, **R. Higgins**, A. Fanaroff, S. Duara, R. Goldberg, A. Laptook, M. Walsh, W. Oh, E. Hale for the NICHD Neonatal Research Network. Very Low Birth Weight (VLBW) Preterm Infants with Early Onset Neonatal Sepsis — The Risk of Gram-Negative Infections Is Real. Presented May 14, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

M. Walsh, A. Laptook, S. Buchter, W.A. Engle, M. Rasmussen, S.N. Kazzi, Q. Yao, G. Heldt, W. Rhine, **R. Higgins** for the NICHD Neonatal Research Network. Cluster Randomized Trial of Benchmarking To Improve Survival Free of Bronchopulmonary Dysplasia (BPD). Late Breaker, PAS abstracts 2005. Presented May 16, 2005 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Higgins RD. Washington Update: Funding Opportunities at NICHD. Presented September 25, 2005 at the Mid-Atlantic Perinatal Conference, Hershey, PA.

Higgins RD. State of the Art of Neonatal Clinical Trials and Follow Up: NICHD Neonatal Research Network. Presented February 6, 2006 at the Southeastern Conference on Perinatal Research, Key Largo, Florida.

Higgins RD. Funding opportunities for career development at NICHD. Presented February 7, 2006 at the Southeastern Conference on Perinatal Research, Key Largo, Florida.

James Moore, Linda LaGasse, Jing Liu, Pamela High, Barry Lester, Seetha Shankaran, Henrietta Bada, Charles Bauer, **Rosemary Higgins**, Abhik Das. Risk Factors for Failure To Thrive (FTT) in Cocaine-Exposed Infants. Presented April 30, 2006 at the Pediatric Academic Societies Annual meeting, San Francisco, CA.

Henrietta S. Bada, Abhik Das, Charles R. Bauer, Seetha Shankaran, Barry Lester, Linda LaGasse, Jane Hammond, **Rosemary Higgins**. Prenatal Cocaine Exposure and Trajectories of Childhood Behavior Problems Through Age 9 Years (Maternal Lifestyle Study). Presented May 2, 2006 at the Pediatric Academic Societies Annual meeting, San Francisco, CA.

Higgins RD. What's New at NIH: Funding and Training Opportunities at the NICHD. Presented September 25, 2006 at the Mid-Atlantic Neonatology Fall Research Retreat, Charlottesville, Virginia.

Higgins RD. Funding and Training Opportunities at the NICHD. Presented October 7, 2006 at the Perinatal Research Society Annual Meeting, Lake Arrowhead, CA.

Higgins RD. Not all near term (late preterm) births are equal. Presented on February 13, 2007 at Obstetrics and Pediatric Grand Rounds at Medstar Health Washington Hospital Center, Washington, DC.

Higgins RD. Funding and Training Opportunities at the NICHD. Presented April 13, 2007 at the Western Conference on Perinatal Research, Palm Springs, California.

Higgins RD. "Funding Opportunities at NICHD," presented June 9, 2007 at the AAP Ross Perinatal Conference, Santa Fe, NM.

Higgins RD. Hypoxic Ischemic Encephalopathy and Cooling Therapies, Presented September 7, 2007 at Grand Rounds, Department of Obstetrics and Gynecology, INOVA Alexandria Hospital, Alexandria, Virginia.

Higgins RD. Hypoxic Ischemic Encephalopathy and Cooling Therapies, presented September 12, 2007 at Neonatology Conference, Department of Pediatrics, Division of Neonatology, Uniformed Services University of Health Sciences, Bethesda, Maryland.

Higgins RD. Hypoxic Ischemic Encephalopathy and Cooling Therapies, presented March 25, 2008 at Grand Rounds, Department of Pediatrics, New York University Medical Center, New York, New York.

Henrietta S. Bada, Abhik Das, Jane Hammond, Charles R. Bauer, Seetha Shankaran, Barry M. Lester, Linda LaGasse, Toni Whitaker, Sylvia Tan, **Rosemary Higgins**. Childhood Behavior Problems After Prenatal Cocaine Exposure: Trajectories Through 11 Years and Early Prediction (Maternal Lifestyle Study). Presented May 4, 2008 at Pediatric Academic Societies Meeting, Honolulu, HI.

Henrietta S. Bada, Abhik Das, Jane Hammond, Seetha Shankaran, Charles R. Bauer, Barry M. Lester, Linda LaGasse, Toni Whitaker, Sylvia Tan, **Rosemary Higgins**. Prenatal Cocaine

Exposure and Teacher Report of School Behavior Problems. Presented May 5, 2008 at Pediatric Academic Societies Meeting, Honolulu, HI.

Seetha Shankaran, Carla Bann, Abhik Das, Barry Lester, Henrietta Bada, Charles Bauer, Linda LaGasse, **Rosemary Higgins**, NICHD and NIDA. Identifying Risk for Obesity in Early Childhood: The Maternal Lifestyle Study (MLS). Presented May 5, 2008 at Pediatric Academic Societies Meeting, Honolulu, HI.

Higgins RD. Oxygen in the DR, gaps in knowledge and future research opportunities, Presented May 7, 2008 at the Neonatal Resuscitation Research Workshop, Honolulu, Hawaii

Higgins RD. Funding Opportunities at NICHD, presented June 7, 2008 at the AAP Ross Perinatal Conference, Santa Fe, NM.

Higgins RD. Neonatal research network outcomes data, presented June 26, 2008 at New York University Medical Center's 3rd Annual Neonatal Nursing Meeting, New York, NY.

Higgins RD. Insights gained from different populations and evaluative points of view, presented October 12, 2008 at the American Academy of Pediatrics National Conference and Exhibition, Epidemiology Session, Boston, MA.

Higgins RD. Extreme Prematurity and Outcomes, presented November 13, 2008 at the National Maternal and Child Health Education Program, Inaugural Planning Meeting, Washington, DC.

Higgins RD. Not all near term (late preterm) births are equal. Presented on December 5, 2008 at Obstetrics Grand Rounds at Inova Alexandria Hospital, Alexandria, Virginia.

Higgins RD. Neonatal Research Network: Approach to Data Quality and Data Management. Presented on December 5, 2008 at the Vermont Oxford Network Advisory Board Meeting, Washington, DC

Higgins RD. NICHD's Maternal Fetal Medicine Units Network and Neonatal Research Network. Presented March 6, 2009 at National Heart, Lung, and Blood Institute Division of Lung Diseases, "Developmental Aspects of the Upper Airway Workshop," Rockville, MD.

Higgins RD. Neonatal Research Network Outcomes Data, presented March 13, 2009 at Georgetown University Medical Center Neonatology Grand Rounds, Washington, DC.

Ronnesia B. Gaskins, Linda LaGasse, Jing Lui, Seetha Shankaran, Barry M. Lester, Henrietta Bada, Charles R. Bauer, Abhik Das, **Rosemary D. Higgins**. Preterm Birth and Childhood Obesity in Children with In Utero Substance Exposure. Presented May 2, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Gisela Porras, Linda LaGasse, Hai Lin, Pamela High, Barry Lester, Seetha Shankaran, Henrietta Bada, Charles Bauer, Toni Whitaker, Jane Hammond, Abhik Das, **Rosemary Higgins**. Failure To Thrive (FTT) and Long Term Cognitive Outcome in Children with Prenatal Cocaine Exposure. Presented May 2, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Mitchell Douglass, Henrietta S. Bada, Abhik Das, Jane Hammond, Charles R. Bauer, Seetha Shankaran, Barry Lester, Linda LaGasse, Toni Whitaker, Sylvia Tan, **Rosemary Higgins**. Attention-Deficit/Hyperactivity Disorder after Prenatal Cocaine-Exposure (Maternal Lifestyle Study). Presented May 2, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

S. Shankaran, A. Luptook, J. Tyson, R. Ehrenkranz, C. Bann, A. Das, **R. Higgins**, NICHD Neonatal Research Network. Evolution of Encephalopathy with Whole Body Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy (HIE). Presented May 2, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Conrad R. Cole, Nellie I. Hansen, **Rosemary D. Higgins**, Edward F. Bell, Abbot R. Luptook, Ellen Hale, Seetha Shankaran, Barbara J. Stoll, the Neonatal Research Network (NRN). Infections in Low-Birth Weight Infants with Surgical Short Bowel Syndrome. Presented May 4, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Rajan Wadhawan, William Oh, Shampa Saha, Abhik Das, Edward Bell, Abbot Luptook, Seetha Shankaran, Barbara Stoll, Michele Walsh, **Rosemary Higgins**. Antecedents of Spontaneous Intestinal Perforation in Extremely Low Birth Weight Infants. Presented May 4, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Girija Natarajan, S. Shankaran, S. McDonald, A. Das, R. Ehrenkranz, R. Goldberg, B. Stoll, J. Tyson, **R. Higgins**, D. Schendel, P. Thorsen, D. Hougaard, K. Skogstrand, W. Carlo. Transforming Growth Factor β (TGF β): Potential Marker of Patent Ductus Arteriosus in Extremely Low Birth Weight Infants? Presented May 5, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Rajan Wadhawan, William Oh, Lisa Wrage, Abhik Das, Edward Bell, Abbot Luptook, Seetha Shankaran, Barbara Stoll, Michele Walsh, **Rosemary Higgins**. Triplet or Higher Order Extremely Low Birth Weight (ELBW) Birth Is Associated with an Increased Risk of Death or Neuro-Developmental Impairment at 18-22 Months Corrected Age as Compared to ELBW Twins and Singletons. Presented May 4, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

S. Shankaran, A. Luptook, **R. Higgins**, J. Tyson, R. Ehrenkranz, G. Sant'Anna, S. McDonald, NICHD Neonatal Research Network. Temperature Profile of Neonates Undergoing Whole Body Hypothermia for Hypoxic-Ischemic Encephalopathy (HIE). Presented May 5, 2009 at the Pediatric Academic Societies Meeting, Baltimore, MD

Higgins RD. “Funding Opportunities at NICHD,” presented May 30, 2009 at the AAP Ross Perinatal Conference, Santa Fe, NM.

Higgins RD. “Preterm Birth,” presented July 22, 2009 at the Preterm Birth Policy Solutions Summit convened by the Amerigroup Public Policy Institute and Black Leadership Forum, Inc., Washington, DC.

Higgins RD. Neonatal Research Network Outcomes Data, presented October 1, 2009 at Medstar Health Washington Hospital Center Neonatology Grand Rounds, Washington, DC.

Higgins RD. Hypothermia as Neuroprotection for Neonatal Hypoxic-ischemic Encephalopathy, presented October 16, 2009 at 11th Annual Collaborative Neonatal Conference: New Concepts in Neonatal Intensive Care, New York, New York.

Higgins RD. Hypothermia as Neuroprotection for Neonatal Hypoxic-ischemic Encephalopathy, presented November 14, 2009 at the International Conference on Clinical Neonatology, Turin, Italy.

Higgins RD. Neonatal Research Network: Physiologic Definition of BPD. Presented on December 4, 2009 at the Vermont Oxford Network Advisory Board Meeting, Washington, DC

Higgins RD and Anand R. NICHD Neonatal Research Network—How Do I Apply? Presented at the Pediatric Academic Societies Annual Meeting, April 30, 2010, Vancouver, BC, Canada.

S.R. Hintz, D. Bulas, T.L. Slovis, H. Cheng, N. Finer, A. Das, **R.D. Higgins**, The SUPPORT Subcommittee and NICHD Neonatal Research Network (NRN). Early and Late Cranial Ultrasound (CUS) Findings in the SUPPORT Neuroimaging and Neurodevelopmental Outcomes (NEURO) Cohort. Presented at the Pediatric Academic Societies Annual Meeting, May 1, 2010, Vancouver, BC, Canada.

N. Ambalavanan, W.A. Carlo, Qing Yao, Abhik Das, **Rosemary D. Higgins**, GDB & Follow-Up Subcommittees of the NICHD Neonatal Research Network. Identification of Extremely Premature Infants at High Risk of Rehospitalization in Infancy. Presented at the Pediatric Academic Societies Annual Meeting, May 1, 2010, Vancouver, BC, Canada.

Betty R. Vohr, Bonnie E. Stephens, **Rosemary D. Higgins**, Susan R. Hintz, Carla M. Bann, All Site Follow-Up PIs. The Impact of Bayley III Assessment: Are Outcomes of ELBW Infants Improving? Presented at the Pediatric Academic Societies Annual Meeting, May 1, 2010, Vancouver, BC, Canada.

Higgins, RD. Topic Symposium: Clinical Research Networks: Challenges in Translating Research Results to the Clinic, The Neonatal Research Network. Presented at the Pediatric Academic Societies Annual Meeting, May 2, 2010, Vancouver, BC, Canada.

Higgins RD. Topic Symposium: Neonatal Neuroprotection Trials: Challenges and Opportunities, Challenges and Opportunities for Multi-Center Clinical Trials. Presented at the Pediatric Academic Societies Annual Meeting, May 3, 2010, Vancouver, BC, Canada.

Ira Adams-Chapman, Carla M. Bann, Ron Goldberg, Danny Benjamin, Barbara J. Stoll, Michelle Walsh, Pablo Sanchez, **Rose Higgins**, Seetha Shankaran, Kristi Watterberg, Abhik Das, for the NICHD Neonatal Research Network. Neurodevelopmental Outcome of ELBW Infants with Candida Infection. Presented at the Pediatric Academic Societies Annual Meeting, May 3, 2010, Vancouver, BC, Canada.

R.G. Greenberg, M. Gantz, P.B. Smith, C.M. Cotten, **R.D. Higgins**, D.K. Benjamin, Jr., The Neonatal Research Network Candida Subcommittee. Outcomes of Empirical Antifungal Therapy in Extremely Low Birth Weight Infants. Presented at the Pediatric Academic Societies Annual Meeting, May 4, 2010, Vancouver, BC, Canada.

Higgins RD, Overview of SUPPORT in outcomes from the NHLBI-NICHD SUPPORT trial: the surfactant positive airway pressure and pulse oximetry trial in extremely low birth weight (elbw) infants. Presented at the American Thoracic Society Annual International Meeting, May 16, 2010, New Orleans, LA.

Higgins RD. “NIH Overview and Funding Mechanisms for Young Faculty,” presented June 5, 2010 at the AAP Ross Perinatal Conference, Santa Fe, NM.

Higgins RD. “Career Pathways – Academic/Private Practice/Industry,” presented June 7, 2010 at the AAP Ross Perinatal Conference, Santa Fe, NM.

Higgins RD. “Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry,” presented August 26, 2010 at the 22st Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine, Aspen, Colorado

Higgins RD. “Challenges and Opportunities for research in NICHD Networks: Pregnancy and Perinatology Branch,” presented September 23, 2010 at 13^o Congresso Brasileiro de Ensino / 7^o Congresso Brasileiro de Pesquisa em Saúde da Criança e Adolescente, Porto Alegre, Brazil.

Higgins RD. “Developing Research in a Neonatal Network for Impact on Patient Care Practices,” presented September 25, 2010 at 13^o Congresso Brasileiro de Ensino / 7^o Congresso Brasileiro de Pesquisa em Saúde da Criança e Adolescente, Porto Alegre, Brazil.

Higgins RD. Neonatal Research Network Outcomes Data, presented December 2, 2010 at Medstar Health Washington Hospital Center Neonatology Grand Rounds, Washington, DC.

Higgins RD. Generic Data Base and Follow Up Data Base, presented December 3, 2010 at the Vermont Oxford Database Advisory Board Meeting, Washington, DC.

Higgins RD. Utilizing Gentle Ventilatory Strategies, Introduction and Overview, presented December 5, 2010 at Healthmatters CME, Washington, DC.

Higgins RD. Hypothermia: is there [already] any evidence for a role in preterm neonates? Presented March 11, 2011 at the 2nd International Conference on Neonatology, Turin, Italy.

Higgins RD. Neuroprotection – Trial Results, Ongoing Studies and Challenges, presented April 13, 2011 at Neonatology Grand Rounds, Uniformed Services University of the Health Sciences, Bethesda Naval Hospital, Bethesda, MD.

Rajan Wadhawan, William Oh, Susan R. Hintz, Martin L. Blakely, Edward F. Bell, Abhik Das, Abbot R. Laptook, Shampa Saha, Seetha Shankaran, Barbara J. Stoll, Michele C. Walsh, **Rosemary D. Higgins.** Neurodevelopmental Outcomes at 18-22 Months of Extremely Low Birth Weight (ELBW) Infants with Spontaneous Intestinal Perforation and Surgical Necrotizing Enterocolitis, Presented April 30, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Seetha Shankaran, P. Barnes, S. Hintz, A. Laptook, **R. Higgins**, S. McDonald, K. Zarterka-Baxter, A. Das. Magnetic Resonance Imaging in Term Infants with Hypoxic Ischemic Encephalopathy in NICHD Trial of Therapeutic Hypothermia, presented April 30, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Bonnie E. Stephens, Carla M. Bann, Victoria E. Watson, Myriam Peralta-Carcelen, Stephen J. Sheinkopf, **Rosemary D. Higgins**, Betty R. Vohr. Screening for Autism Spectrum Disorder in Extremely Preterm Infants, presented May 1, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Praveen Kumar, S. Shankaran, N. Ambalavanan, D. E. Kendrick, A. Pappas, B. Vohr, B. Poindexter, A. Das, **R. Higgins.** Unimpaired Outcomes of Extremely Low Birth Weight Infants (ELBW) at 30 Months of Age, presented May 1, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

S. R. Hintz, P. D. Barnes, L. A. Wrage, D. Bulas, T. L. Slovis, A. Das, N. Finer, H. Cheng, **R. D. Higgins**, for the SUPPORT Subcommittee, the NICHD Neonatal Research Network (NRN). Brain MRI Findings of Extremely Preterm Infants: The Neuroimaging and Neurodevelopmental Outcomes (NEURO) Cohort, presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Vedang A. Londhe, Tracy Nolen, **Rosemary D. Higgins**, Jon E. Tyson, William Oh, Sherin U. Devaskar. Vitamin A Supplementation for Extremely Low Birth Weight Infants: Subgroup Analysis in SGA Infants, presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Erika F. Fernandez, Kristi L. Watterberg, Doug Kendrick, Roger G. Faix, Conra B. Lacy, Bradley Yoder, Karen Osborne, Abhik Das, Michele C. Walsh,

Rosemary D. Higgins, NICHD NRN. Incidence, Management and Short Term Outcomes of Hypotension in the Critically Ill Term and Late Preterm Newborn, presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Girija Natarajan, Athina Pappas, Seetha Shankaran, Abbot R. Laptook, Michele Walsh, Scott A. McDonald, Richard A. Ehrenkranz, Jon E. Tyson, Ronald Goldberg, Rebecca Bara, **Rosemary D. Higgins**, Abhik Das, Breda Munoz. Effect of Inborn Versus Outborn Delivery on Outcomes in Hypoxic-Ischemic Encephalopathy (HIE): Secondary Analyses of the NICHD Whole Body Cooling Randomized Controlled Trial (RCT), presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Bonnie E. Stephens, Carla M. Bann, **Rosemary D. Higgins**, Betty R. Vohr. Autism Spectrum Disorder Phenotype in Extremely Preterm Infants, presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Athina Pappas, Seetha Shankaran, Barbara J. Stoll, Douglas E. Kendrick, Edward F. Bell, Abbot R. Laptook, Michele C. Walsh, Abhik Das, **Rosemary D. Higgins**, Rebecca Bara, Ellen C. Hale, Nancy S. Newman. Histological Choriomnionitis and Early Childhood Outcomes among Preterm Infants < 27 Weeks GA, presented May 2, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Ricki F. Goldstein, Seetha Shankaran, Scott McDonald, C. Michael Cotten, **Rose Higgins**, Neonatal Research Network Hypothermia Subcommittee. Apolipoprotein E (APOE) Genotype and Outcome in Infants with Hypoxic Ischemic Encephalopathy (HIE), presented May 3, 2011 at the Pediatric Academic Societies Annual Meeting, Denver, CO.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty Presented June 4, 2011 at Controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Career Pathways – Academic/Private Practice/Industry. Presented June 5, 2011 at Controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Why Are Clinical Trials So Important and So Difficult? Presented July 6, 2011 at the NICHD Exchange, NICHD, Bethesda, MD.

Higgins RD. Inhaled nitric oxide consensus conference. Presented July 7, 2011 at Washington Hospital Center Obstetrics and Gynecology Grand Rounds, Washington, DC.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 18, 2011 at the 23rd Annual NICHD Young investigators Meeting, Chicago, IL.

Higgins RD. Funding and Training Opportunities at NIH, presented September 19, 2011 at the American Academy of Pediatrics Section on Perinatal Pediatrics 34th Mid-Atlantic Conference on Perinatal Research, Charlottesville, VA.

Higgins RD. Research Programs & Initiatives for Pregnancy and Perinatology Branch, NICHD, presented September 28, 2011 at Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Infant Mortality 5K Run/Walk/Roll, Bethesda, MD.

Higgins RD. Long Term Follow Up: Creative Measures to Insure Maximal Return, presented December 6, 2011 at Hot Topics in Neonatology, Washington, DC.

Higgins RD. Early onset sepsis and the NICHD Neonatal Research Network. Presented April 12, 2012 at Washington Hospital Center Obstetrics and Gynecology Grand Rounds, Washington, DC.

Higgins RD. Oxygen and Infants: Gaps in Knowledge and Opportunities for Research in State of the Art Plenary: Oxygen Saturation Targets in Premature Neonates: The Dilemma & the Debate. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Beau J. Batton, Lei Li, Nancy Newman, Steven Thomas, Abhik Das, Kristi L. Watterberg, Bradley A. Yoder, Roger G. Faix, Matthew M. Laughon, Barbara Stoll, **Rosemary D. Higgins**, Michele C. Walsh. Prospective Observational Study of Blood Pressure Management in Infants 23-26 Weeks Gestation. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Erika F. Fernandez, Kristi L. Watterberg, Roger Faix, Bradley Yoder, Michele Walsh, Conra Lacy, Karen Osborne, Abhik Das, Dennis Kendrick, Gregory Sokol, Barbara Stoll, **Rosemary Higgins**. Hypotension and Adverse Short Term Outcomes in Critically Ill Term and Late Preterm Newborns. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Edward F. Bell, Nellie I. Hansen, Luc P. Brion, Richard A. Ehrenkranz, Kathleen A. Kennedy, Michele C. Walsh, Seetha Shankaran, Michael J. Acarregui, Karen J. Johnson, Ellen C. Hale, Lynn A. Messina, Margaret M. Cunningham, Abhik Das, **Rosemary D. Higgins**, NICHD Neonatal Research Network. Tocopherol Levels in Very Preterm Infants after a Single Enteral Dose of Vitamin E Given Soon after Birth. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

S. R. Hintz, L. A. Wrage, P. D. Barnes, D. Bulas, T. Slovis, A. Das, N. Finer, R. Higgins. Brain MRI and Outcomes at 18-22 Months in Extremely Preterm Infants: The Neuroimaging and Neurodevelopmental Outcomes (NEURO) Cohort. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

S. R. Hintz, L. A. Wrage, D. Bulas, T. L. Slovis, A. Das, N. Finer, **R. D. Higgins**. Early and Late Cranial Ultrasound (CUS) To Predict 18-22 Month Outcomes in Extremely Preterm Infants: The Neuroimaging and Neurodevelopmental Outcomes (NEURO) Cohort. Presented April 28, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Cristina T. Navarrete, Shahnaz Duara, **Rosemary D. Higgins**. Growth Outcomes of Preterm Infants Exposed to Different Oxygen Saturation Target Ranges from Birth. Presented April 29, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Athina Pappas, Seetha Shankaran, Scott McDonald, Betty Vohr, Rebecca Bara, Richard Ehrenkranz, Susan Hintz, Jon Tyson, Kimberly Yolton, Abhik Das, Jane Hammond, **Rosemary Higgins**, On Behalf of the NICHD Neonatal Research Network. Predicting Cognitive Outcomes at School Age among Children with Hypoxic Ischemic Encephalopathy at Birth. Presented April 29, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Betty Vohr, Bonnie Stephens, Scott McDonald, Richard Ehrenkranz, Abbot Laptok, Abhik Das, Seetha Shankaran, **Rosemary Higgins**. Associations between Disability and Growth at 6-7 Years in the NICHD Trial of Whole Body Hypothermia for HIE. Presented April 29, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Kathleen A. Kennedy, Lisa A. Wrage, Dale Phelps, **Rosemary Higgins**. Evaluating Retinopathy of Prematurity (ROP) Screening Guidelines for 24-27 Week Gestational Age (GA) Infants. Presented April 29, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Andrea F. Duncan, Kristi L. Watterberg, Janell Fuller, Susan Hintz, **Rosemary Higgins**, Jean Lowe. Evaluation of Early Executive Function in Extremely Preterm Children. Presented April 30, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Beau Batton, Lei Li, Nancy Newman, Steven Thomas, Abhik Das, Kristi Watterberg, Bradley Yoder, Roger Faix, Matthew Laughon, Barbara Stoll, **Rosemary Higgins**, Michele Walsh. Blood Pressure Values in the First 24 Hours for Infants

23-26 Weeks Gestation. Presented April 30, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

C. M. Cotten, G. Page, W. Carlo, **R. Higgins**, J. C. Murray. Genome-Wide Association Study of Morbidities of Extreme Prematurity. Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

J. Kelleher, A.A. Salas, R. Bhat, N. Ambalavanan, S. Saha, **R.D. Higgins**, W.A. Carlo, GDB Subcommittee. Concurrent Administration of Enteral Nutrition and Prophylactic Indomethacin Is Not Associated with Spontaneous Intestinal Perforation in Extremely Low Birth Weight Infants. Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Yvonne E. Vaucher, Marie G. Gantz, Neil N. Finer, **Rosemary D. Higgins**. Neurodevelopmental Outcome of Extremely Premature Infants Enrolled in the SUPPORT Trial: Early CPAP Versus Intubation with Surfactant Administration. Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Myriam Peralta-Carcelen, Marie Gantz, Waldemar A. Carlo, **Rosemary D. Higgins**. Neurodevelopmental Outcome of Extremely Preterm Infants in a Trial of Different Oxygen Saturation Targets. Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Abbot Laptook, Scott McDonald, Seetha Shankaran, Bonnie Stephens, Betty Vohr, Ronnie Guillet, **Rose Higgins**. Outcome at 6-7 Years of Infants with Elevated Temperatures Following Hypoxia-Ischemia. Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Higgins RD. NIH grants and funding in Workshop “Navigating the NIH Peer Review Process.” Presented May 1, 2012 at the Pediatric Academic Societies Annual Meeting, Boston, MA.

Higgins RD. Opportunities and Challenges in Neonatal Research in NIH Networks. Presented May 4, 2012 at 8th Annual Pediatric Clinical Trials Meeting, Philadelphia, PA.

Higgins RD. NICHD Neonatal Research Network 2011-2016. Presented at the NIH Committee for Administering Clinical Trials Meeting, May 24, 2012.

Higgins RD. NIH, Grants and Funding. Presented June 2, 2012 at 35th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Career Pathways – Academic/Private Practice/Industry. Presented June 3, 2012 at controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 16, 2012 at the 24th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins RD. Burden of Perinatal Illicit Substance Abuse. Presented September 12, 2012 at CDC's Expert Meeting on Perinatal Illicit Drug Abuse, Atlanta, GA.

Higgins RD. Necrotizing Enterocolitis: Consequences and long term outcomes. Presented November 16, 2012 at 21st Congresso Brasileiro de Perinatologia, Brazilian Society of Pediatrics, Curitiba, Brazil.

Higgins RD. Therapeutic Hypothermia in Hypoxic Ischemic Encephalopathy. Presented November 16, 2012 at 21st Congresso Brasileiro de Perinatologia, Brazilian Society of Pediatrics, Curitiba, Brazil.

Higgins RD. Extreme Prematurity: Developmental and Neurologic Outcomes. Presented November 17, 2012 at 21st Congresso Brasileiro de Perinatologia, Brazilian Society of Pediatrics, Curitiba, Brazil.

Higgins RD. Clinicaltrials.gov. Presented January 3, 2013 at Extramural Staff Training, NICHD, Rockville, MD.

Higgins RD. Practical issues for hypothermia treatment. Presented at the 4th Symposium on Asphyxia & Hypothermia, February 21, 2013 at University Hospital C.G.Carus, Dresden, Germany.

Higgins RD. Hypothermia therapy in hypoxic ischemic encephalopathy – long term outcome. Presented at the 4th Symposium on Asphyxia & Hypothermia, February 21, 2013 at University Hospital C.G.Carus, Dresden, Germany.

Higgins RD. Update on Cooling Trials for HIE. Presented March 7, 2013 at Washington Hospital Center Obstetrics and Gynecology Grand Rounds, Washington, DC.

Higgins RD. The Neonatal Research Network, in session “How will we study long term neonatal AKI outcomes: lessons learned from other studies.” Presented April 9, 2013 at the NIDDK Neonatal Acute Kidney Injury Workshop, Rockville, MD.

Higgins RD for Maddox YT. The NICHD Vision for Child Health Research, Topic Symposium: Child Health Research: Future Needs, Future Vision.

Presented May 4, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Timothy P. Stevens, Neil N. Finer, **Rosemary D. Higgins**. Respiratory Outcomes of the Early CPAP and Pulse Oximetry Trial. Presented May 5, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Seetha Shankaran, A. Laptook, S. McDonald, S. Hintz, P. Barnes, A. Das, **R. Higgins**. Perinatal Sentinel Events, Brain Injury Pattern and Outcome in Infants Undergoing a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy (HIE). Presented May 5, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Ariel A. Salas, Waldemar A. Carlo, Namasivayam Ambalavanan, Tracy L. Nolen, Barbara J. Stoll, Abhik Das, **Rosemary D. Higgins**. Birth Weight or Gestational Age: Which Is Better as a Baseline Indicator of Risk in Preterm Infants? Presented May 5, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

L. De Jesus, B. Sood, S. Shankaran, D. Kendrick, A. Das, **R. Higgins**. Antenatal Magnesium Exposure and Acute Cardiorespiratory Events in Preterm Infants. Presented May 6, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Girija Natarajan, Seetha Shankaran, Athina Pappas, Carla Bann, Jon E. Tyson, Abhik Das, **Rosemary D. Higgins**. Association between Parental Perception of Functional Status (FS) and Impact on the Family (IOF) in Neonatal Hypoxic-Ischemic Encephalopathy (HIE) and Childhood Disability. Presented May 6, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Athina Pappas, Seetha Shankaran, Scott McDonald, Waldemar Carlo, Abbot Laptook, Jon Tyson, Abhik Das, **Rosemary Higgins**. Cytokines and Neurodevelopmental Outcomes in Term Neonates with Encephalopathy. Presented May 6, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Higgins RD. NIH, Grants, and Funding, Navigating the NIH Peer Review Process. Presented May 6, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Yvonne E. Vaucher, Wade Rich, Marie G. Gantz, Susan R. Hintz, Neil N. Finer, **Rosemary D. Higgins**. Antenatal Enrollment in Clinical Trials: Is Neurodevelopmental Outcome Representative? Presented May 6, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

William Truog, L. Nelin, A. Das, D. Kendrick, **R. Higgins**, B. Stoll, M. Walsh, E. Bell, W. Carlo, A. Laptook, P. Sanchez, S. Shankaran, K. Van Meurs, NICHD Neonatal Research Network. Inhaled Nitric Oxide Usage in the NICHD Neonatal Research Network: Inter-Site Variability and Propensity Evaluation. Presented May 7, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Scott J. Weissman, Nellie I. Hansen, Carolyn Petrie Huitema, Kristin Zaterka-Baxter, **Rosemary Higgins**, Barbara Stoll. Emergence of Antibiotic Resistance-Associated Clones among Escherichia Coli Isolates from Early-Onset Sepsis and Meningitis in the United States, 2008-2009. Presented May 7, 2013 at the Pediatric Academic Societies Annual Meeting, Washington, DC.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented June 1, 2013 at 36th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Customizing Your Career Pathway: Perspectives from Faculty. Presented June 2, 2013 at 36th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. The Surfactant Positive Airway Pressure and Pulse OximetRy Trial in Extremely Low Birth Weight Infants: SUPPORT Trial. Presented June 6, 2013 at the NICHD Advisory Council Meeting, Bethesda, MD.

Hirschfeld S, Zajicek A, **Higgins RD**. Managing IND's. Presented at NICHD Extramural Staff Training July 18, 2013, Rockville, MD.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 15, 2013 at the 25th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins RD. NICHD Neonatal Research Network. Presented October 21, 2013 at the NIGMS-NICHD and NICHD T32 Programs in Pediatric Clinical Pharmacology, Rockville, MD.

Higgins RD. Chromosomal abnormalities, prematurity and outcomes. Presented March 6, 2014 at Washington Hospital Center Obstetrics and Gynecology Grand Rounds, Washington, DC.

Athina Pappas, Ira Adams-Chapman, Seetha Shankaran, Scott McDonald, Barbara Stoll, Abbot Laptook, Waldemar Carlo, Krisa Van Meurs, Susan Hintz, Martha Carlson, Jane Brumbaugh, Michele Walsh, Abhik Das, **Rosemary Higgins**. Outcomes of Extremely Premature Infants With Non-Hemorrhagic Ventriculomegaly.

Presented at Pediatric Academic Societies Meeting, May 3 2014, Vancouver, BC, Canada.

Beau Batton, Lei Li, Nancy Newman, Abhik Das, Kristi Watterberg, Bradley Yoder, Roger Faix, Matthew Laughon, Barbara Stoll, **Rose Higgins**, Michele Walsh. Early Blood Pressure Patterns, Anti-Hypotensive Therapy & Neurodevelopment in Infants ≤ 26 Weeks Gestation. Presented at Pediatric Academic Societies Meeting, May 3, 2014, Vancouver, BC, Canada.

Ira Adams-Chapman, Scott McDonald, Susan R. Hintz, Betty Vohr, Sara DeMauro, Andrea Duncan, Athina Pappas, Abhik Das, Jamie Newman, **Rose Higgins**. Spectrum of Neurologic Impairment Among Extremely Preterm Infants. Presented at Pediatric Academic Societies Meeting, May 3, 2014, Vancouver, BC, Canada.

Ira Adams-Chapman, Scott A. McDonald, Susan R. Hintz, Betty Vohr, Sara Demauro, Andrea Duncan, Athina Pappas, Abhik Das, Jamie Newman, **Rose Higgins**. Prevalence of Mild Neurodevelopmental Impairment in the NICHD NRN. Presented at Pediatric Academic Societies Meeting, May 3, 2014, Vancouver, BC, Canada.

Seetha Shankaran, Scott McDonald, Abbot R. Lupton, Susan R. Hintz, Patrick Barnes, Abhik Das, Athina Pappas, **Rosemary Higgins**. Neonatal MRI Brain Injury Patterns and Childhood Outcome Following a Trial of Hypothermia for Hypoxic-Ischemic Encephalopathy (HIE). Presented at Pediatric Academic Societies Meeting, May 4, 2014, Vancouver, BC, Canada.

Matthew A. Rysavy, Lei Li, Edward F. Bell, Abhik Das, Susan R. Hintz, Barbara J. Stoll, Betty R. Vohr, Waldemar A. Carlo, Seetha Shankaran, Michele C. Walsh, Tarah T. Colaizy, Brandon W. Alleman, **Rosemary D. Higgins**. Unpacking the "Center Effect": Patient- and Hospital-Level Factors Associated With Improved Outcomes in Extremely Preterm Infants. Presented at Pediatric Academic Societies Meeting, May 4, 2014, Vancouver, BC, Canada.

E. Foglia, S. DeMauro, B. Poindexter, E. Bell, B. Stoll, K. Van Meurs, T. Nolen, A. Das, **R. Higgins**, B. Schmidt. Comparison of Hospital-Based Outcomes Between Infants Enrolled in Randomized Clinical Trials and Infants Who Were Eligible But Not Enrolled. Presented at Pediatric Academic Societies Meeting, May 4, 2014, Vancouver, BC, Canada.

S. Shankaran, A. Lupton, A. Pappas, S. McDonald, A. Das, J. Tyson, K. Schibler, B. Poindexter, E. Bell, R. Heyne, C. Pedroza, R. Bara, K. Van Meurs, C. Grisby, C. Huitema, U. Devaskar, **R. Higgins** for the NICHD Neonatal Research Network (NRN). Randomized Controlled Trial (RCT) of Optimizing Cooling Strategies for Neonatal Hypoxic-Ischemic Encephalopathy (HIE). Presented at Pediatric Academic Societies Meeting, May 4, 2014, Vancouver, BC, Canada.

J. Riehl, D. Munson, J. Langer, S. DeMauro, E. Bell, B. Poindexter, C. Fortney, R. Seabrook, J. Tyson, A. Dworetz, G. Natarajan, S. Shankaran, B. Vohr, **R. Higgins**, A. Das, B. Stoll, H. Kirpalani. Variation in Withdrawal Discussions in Infants <28 Weeks Gestation Across US Centers. Presented at Pediatric Academic Societies Meeting, May 4, 2014, Vancouver, BC, Canada.

Sanjay Chawla, Girija Natarajan, Athina Pappas, Shampa Saha, Seetha Shankaran, Barbara J. Stoll, Waldemar A. Carlo, Abhik Das, Abbot R. Lupton, **Rosemary D. Higgins**. Neurodevelopmental Outcomes of Extremely Low Gestational Age Neonates (ELGAN) Exposed To No, Partial or Complete Course of Antenatal Steroids (ANS) in the Bayley III Era. Presented at Pediatric Academic Societies Meeting, May 5, 2014, Vancouver, BC, Canada.

Higgins RD. NIH, Grants, and Funding. Presented at Navigating the NIH Peer Review Process Workshop, Pediatric Academic Societies Meeting, May 5, 2014, Vancouver, BC, Canada.

April R. Dworetz, G. Natarajan, K. Kinlaw, J. Riehl, J.C. Langer, M. Bidegain, D. Munson, A. Das, **R.D. Higgins**, B.L. Poindexter, E.F. Bell, C.M. Cotten, H. Kirpalani, B.J. Stoll, S. Shankaran. Predictors of Withdrawing or Withholding Life-Sustaining Therapies (WWLST) in Extremely Low Gestational Age Newborns (ELGANs). Presented at Pediatric Academic Societies Meeting, May 6, 2014, Vancouver, BC, Canada.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented May 31, 2014 at 37th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Customizing Your Career Pathway: Perspectives from Faculty. Presented June 1, 2014 at 37th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 14, 2014 at the 26th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins, RD. Update from the NICHD and NRN – 2014. Presented November 3, 2014 at the Vermont Oxford Database Advisory Board Meeting, Chicago, IL.

Higgins RD. Opportunities and Challenges in the NICHD Neonatal Research Network. Presented February 24, 2015 at the Division of Extramural Research Clinical Trials Network Working Group Meeting, Rockville, MD.

Higgins RD. Corticosteroids at 22-26 Weeks Gestation: What is the Evidence? Presented February 26, 2015 at Georgetown University, Department of Obstetrics and Gynecology Grand Rounds, Washington, DC.

E. Jensen, K. Dysart, M. Gantz, **R. Higgins**, D. Kendrick, M. Keszler, M. Laughon, B. Poindexter, B. Stoll, M. Walsh, B. Schmidt. Prophylactic Indomethacin Is Not Associated with a Reduced Risk of BPD in Extremely Preterm Infants. Presented March 22, 2015 at the Eastern Society of Pediatric Research Conference, Philadelphia, PA.

Higgins RD. Update from NICHD. Presented April 17, 2015 at the Scientific Advisory Council Meeting of the March of Dimes, New York, New York.

Colm P. Travers, Waldemar A. Carlo, Scott A. McDonald, **Rosemary D. Higgins**, Abhik Das, Edward F. Bell, NICHD Neonatal Research Network. Pulmonary Outcomes of Extremely Preterm Infants Exposed To Antenatal Corticosteroids. Presented at the Pediatric Academic Societies Meeting, April 25, 2015, San Diego, California.

Cassandra D. Josephson, David Friedman, Deborah S. Pizzini, Nancy Heddle, **Higgins, Rosemary**, Mondoro H. Traci, Kiriplani Haresh, Bell F. Edward, Tan Sylvia, Crawford M. Megan, Luban L. Naomi. Variability in Preparation, Storage, and Processing of Red Blood Cell Products for Extremely Low Birth Weight Infants: A Blood Bank Survey for the Transfusion of Prematures (TOP) Trial. Presented at the Pediatric Academic Societies Meeting, April 25, 2015, San Diego, California.

S. Shankaran, A. Pappas, M. Bajaj, G. Natarajan, A.S. Davis, S.R. Hintz, I. Adams-Chapman, S. Saha, A. Das, E.F. Bell, B.J. Stoll, M.C. Walsh, A.R. Lupton, W.A. Carlo, K.P. Van Meurs, P. Sanchez, M.B. Ball, E.C. Hale, R. Seabrook, **R.D. Higgins.** Post hemorrhagic Ventricular Dilatation (PHVD) among <27wk Infants. Presented at the Pediatric Academic Societies Meeting, April 27, 2015, San Diego, California.

Girija Natarajan, Seetha Shankaran, Shampa Saha, Abbot Lupton, Michele Walsh, Abhik Das, **Rosemary Higgins.** Abnormal Cranial Imaging in Moderately Preterm (MPT) infants in the NICU. Presented at the Pediatric Academic Societies Meeting, April 28, 2015, San Diego, California.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented May 30, 2015 at 38th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Customizing Your Career Pathway: Perspectives from Faculty. Presented May 31, 2015 at 38th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 20, 2015 at the 27th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins RD. Antenatal steroids: brief updates on policy and research efforts, NICHD neonatal research. Presented September 3, 2015 at the Antenatal Corticosteroids Research Webinar, Washington, DC.

Higgins RD. Corticosteroids at 22-26 Weeks Gestation: What is the Evidence? Presented October 1, 2015 at Medstar Washington Hospital Center, Department of Neonatology Grand Rounds, Washington, DC.

Higgins, RD. Update from the NICHD and NRN – 2015. Presented October 5, 2015 at the Vermont Oxford Database Advisory Board Meeting, Chicago, IL.

Higgins, RD. Outcomes at 22-26 weeks gestation: what is the evidence? Presented February 12, 2016 at the NICHD Exchange Meeting, Rockville, MD.

Higgins RD. NICHD Neonatal Research Network. Presented March 14, 2016 at the NHLBI Developmental Origins of Health and Disease (Pediatrics) meeting, Bethesda, MD.

Higgins RD. NICHD Maternal Fetal Medicine Units (MFMU) and Neonatal Research Networks (NRN). Presented April 5, 2016 at the NHLBI Scientific Priorities in Pediatric Transfusion Medicine Meeting, Bethesda, MD.

S. Sarkar, S. Shankaran, J. Barks, B. Do, A. Luptook, A. Das, N. Ambalavanan, K. Van Meurs, E. Bell, P. Sanchez, S. Hintz, W. Carlo, B. Stoll, **R. Higgins.** Outcome of Preterm Infants With Disappearance of Cystic Periventricular Leukomalacia (cPVL) on Serial Cranial Imaging. Presented April 30, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

S.R. Hintz, C. Bann, P. Barnes, D. Bulas, T. Slovis, A. Das, **R. Higgins.** Serial Findings and Diagnostic Validity of Neonatal Neuroimaging in Extremely Preterm Infants. Presented May 1, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

M. Bajaj, G. Natarajan, S. Shankaran, M. Wyckoff, A. Luptook, E. Bell, B. Stoll, W. Carlo, B. Vohr, S. Saha, K. Van Meurs, P. Sanchez, C. D'Angio, **R. Higgins,** A. Das, M. Walsh. Delivery Room (DR) Resuscitation in Moderately Preterm (MPT) Infants. Presented May 1, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

R.G. Greenberg, P.B. Smith, D. Chowdhury, N.I. Hansen, P.J. Sanchez, B.J. Stoll, **R.D. Higgins**, C.M. Cotten. Prolonged Duration of Initial Empiric Antibiotic Therapy in Extremely-Low-Birth-Weight (ELBW) Infants. Presented May 1, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

S.R. Hintz, C.M. Bann, A. Das, **R. Higgins**. Simplified Clinical Factor Model Compared with Neonatal Neuroimaging to Predict Unimpaired 18-22 Month Survival Among Extremely Preterm Infants. Presented May 1, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

G. Natarajan, S. Shankaran, S.A. McDonald, A. Pappas, S. Hintz, A.R. Laptook, A. Das, **R.D. Higgins**. Sedation-Analgesia (SA) in Neonatal Hypoxic-Ischemic Encephalopathy (HIE) and 18-Month Outcomes. Presented May 1, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

Colm P. Travers, Waldemar A. Carlo, Scott A. McDonald, Abhik Das, Namasivayam Ambalavanan, **Rosemary Higgins**, NICHD Neonatal Research Network. Racial Disparities in Outcomes among Extremely Preterm Infants. Presented May 2, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

S. Chawla, S. Shankaran, G. Natarajan, B. Carper, M. Gantz, L. Brion, M. Keszler, W. Carlo, N. Ambalavanan, A. Das, N. Finer, **R. Higgins**. Prediction of Extubation Failure and Associated Morbidities among Extremely Premature Infants. Presented May 2, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

Seetha Shankaran, A. Laptook, A. Pappas, S. McDonald, A. Das, J. Tyson, K. Schibler, B. Poindexter, E. Bell, R. Heyne, C. Pedroza, K. Van Meurs, C. Grisby, C. Huitema, **R. Higgins**. Randomized Controlled Trial (RCT) of Optimizing Cooling Strategies for Neonatal Hypoxic-Ischemic Encephalopathy (HIE). Presented May 3, 2016 at the Pediatric Academic Societies Meeting, Baltimore, MD.

Higgins RD. Hypothermic therapy in hypoxic ischemic encephalopathy. Presented June 3, 2016 at the 42nd Annual Meeting of the Society for Neonatology and Pediatric Intensive Care Medicine, Congress Center Frankfurt, Germany.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented June 6, 2016 at 39th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Understanding the Grants Process. Presented June 13, 2016 at the NICHD Reproductive Health Trainee Workshop, Bethesda, MD.

Higgins RD. Funding and Training Opportunities: Non-NIH Federal, Foundation, and Industry. Presented August 17, 2016 at the 28th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins RD. Career planning. Presented August 18, 2016 at the 28th Annual NICHD Young Investigators Meeting, Chicago, IL.

Higgins, RD. Update from the NICHD and NRN – 2016. Presented September 12, 2016 at the Vermont Oxford Database Advisory Board Meeting, Chicago, IL.

Higgins RD. Chorioamnionitis Workshop: intrauterine infection and inflammation – Triple I. Presented December 1, 2016 at Medstar Washington Hospital Center, Department of Neonatology Grand Rounds, Washington, DC.

Hintz SR, Bann C, Vohr BR, Taylor H, Das A, Lowe J, Gustafson K, Yolton K, Watson V, DeAna ME, Ball B, Van Meurs K, Finer N, Shankaran S, Parnes PD, Bulas D, Slovis T, **Higgins RD.** Neonatal neuroimaging and school age cognitive impairment and disability in extremely preterm infants. Presented May 6, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Hintz SR, Bann C, Vohr BR, Taylor H, Das A, Lowe J, Gustafson K, Yolton K, Watson V, DeAna ME, Ball B, Van Meurs K, Finer N, Shankaran S, Parnes PD, Bulas D, Slovis T, **Higgins RD.** Bayley-III cognitive and language scores at 18-22 months corrected age to predict WISC-IV FSIQ at 6-7 years in children born extremely preterm. Presented May 6, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Vohr BR, Heyne R, Bann C, Das A, **Higgins RD,** Hintz SR. Extreme Preterm Risk of Overweight and Obesity at Early School Age. Presented May 6, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Lakshminrusimha S, Shankaran S, Laptook S, Keszler M, Van Meurs K, Chawla S, Sood B, Guillet R, Bonifacio S, McDonald S, Das A, and **Higgins R.** Predictors of Pulmonary Hypertension during Whole-Body Hypothermia: Secondary Analysis of the Induced Hypothermia and Optimizing Cooling Strategies Trials. Presented May 6, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Higgins RD. What happens in the NICU doesn't stay in the NICU. Meds, infections, renal and extra-renal events resulting in later hypertension in Invited Science session "Developmental Origins of Hypertension," May 7, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

Laptook A, Shankaran S, Tyson J, Bell E, Ambalavanan A, Parikh N, Goldberg R, Ehrenkranz R, Pedroza C, Pappas A, Hensman A, Osborne K, Chaudhary A, Das A, Munoz B, **Higgins R**. A Randomized Trial of Initiating Hypothermia at 6-24 hours for HIE. Presented May 8, 2017 at the Pediatric Academic Societies Meeting, San Francisco, CA.

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Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented June 5, 2017 at 40th Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Hypothermic therapy in hypoxic ischemic encephalopathy: translation into clinical practice. Presented August 16, 2017 at the University of Florida at Jacksonville, Jacksonville, FL.

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Higgins RD. Neonatology and Thirty Years of Progress – Keynote Address. Presented May 9, 2018 at Festschrift Program: A Celebration of the works of Dr. Dale L. Phelps and Dr. William Maniscalco, Rochester, New York.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented June 3, 2018 at 41st Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Santa Fe, NM.

Higgins RD. Update on Neonatal Encephalopathy. Presented June 14, 2018 at Washington Hospital Center Obstetrics and Gynecology Grand Rounds, Washington, DC.

Higgins RD. Accelerating Clinical Trials for Neonatal Opioid Withdrawal. Presented June 25, 2018 at the National Institutes of Health, Friends of NICHD Meeting, Bethesda, MD.

Higgins RD. Nuts and Bolts of a Clinical Trial. Presented August 28, 2018 at the Annual NICHD Clinician Scientist investigator Meeting, Potomac, MD.

Higgins RD. Job searching, promotion, career skills. Presented August 28, 2018 at the Annual NICHD Clinician Scientist investigator Meeting, Potomac, MD.

Higgins RD. NICHD Neonatal Research Network. Presented September 19, 2018 at Collaborative Pediatric Critical Care Research Network (CPCCRN) Steering Committee Meeting, Arlington, VA.

Higgins RD. Data Sources for Bronchopulmonary Dysplasia. Presented October 2, 2018 at Advancing Endpoint Development for Preterm Neonates with Pulmonary Morbidities, Washington, DC.

Higgins RD. NIH Overview and Funding Mechanisms for Young Faculty. Presented October 14, 2018 at 42nd Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Scottsdale, AZ.

Higgins RD. Opioid Crisis: Maternal and Neonatal Perspectives from NIH. Presented October 15, 2018 at 42nd Annual Seminar on Neonatal Perinatal Medicine: controversies in perinatal medicine: evidence for current practice, Scottsdale, AZ.

Higgins RD. Neonatal Research Network: 2016-2021. Presented February 1, 2019 at the Maternal Fetal medicine Units Network Steering Committee Meeting, Rockville, Maryland.

Higgins RD. Neonatal Research Network: 2016-2021. Presented February 6, 2019 at the IDEA States Pediatric Clinical Trials Network Steering Committee Meeting, Arlington, Virginia.