

# Neonatal-Perinatal Medicine Faculty Scholarship

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This document contains all publications, invited talks, abstracts and presentations for Neonatal-Perinatal faculty for 2010 and 2011.

## Original Peer-Reviewed Journal Articles

### 2011

- Christman C, Hemway RJ, Wyckoff MH, Perlman JM. The two-thumb is superior to the two-finger method for administering chest compressions in a manikin model of neonatal resuscitation. *Arch Dis Child Fetal Neonatal Ed* 2011;96:F99-F101.
- Chalak LF, Barber CA, Hynan L, Garcia D, Christie L, Wyckoff MH. End-tidal CO<sub>2</sub> Detection of an Audible Heart Rate During Neonatal Cardiopulmonary Resuscitation Following Asystole in Asphyxiated Piglets. *Pediatric Res* 2011; 69:401-405.
- Chalak LF, Rollins N, Morris MC, Brion LP, Heyne R, Sánchez PJ. Perinatal acidosis and hypoxic-ischemic encephalopathy in preterm infants of 33 to 35 weeks' gestation. *J Pediatrics*, in press, 2011
- Dannevig I, Solevag AL, Wyckoff MH, Saugstad OD, Nakstad B. Delayed onset of cardiac compressions in cardiopulmonary resuscitation of newborn pigs with asphyctic cardiac arrest. *Neonatology* 2011;99:153-162.
- D'Angio CT, Heyne RJ, Duara S, Holmes LC, O'Shea TM, Wang H, Wang D, Sánchez PJ, Welliver RC, Ryan RM, Schnabel KC, Hall CB; Premature Infant Vaccine Collaborative. Immunogenicity of trivalent influenza vaccine in extremely low-birth-weight, premature versus term infants. *Pediatr Infect Dis J.* 2011 Jul;30(7):570-4. PMID: 21273938
- Duncan AF, Heyne RJ, Morgan JS, Ahmad N, Rosenfeld CR. Elevated systolic blood pressure in preterm very-low-birth-weight infants ≤3 years of life. *Pediatr Nephrol* 26:1115–1121, 2011
- Havraneka T, Ashmeadeb TL, Afanador M, Carver JD. Effects of Maternal Magnesium Sulfate Administration on Intestinal Blood Flow Velocity in Preterm Neonates. *Neonatology* 2011;100:44-49
- Jackson GL, Sendelbach DM, Rambally BM, Manning MD, Engle WD. Circulating blasts and associated hematologic disorders in neonates with Down syndrome. *Am J Perinatol*; In press, 2011.
- Jackson GL, Buetler-Rawiki, P, Sendelbach D, Manning MD, Engle WD. Hospital course and short-term outcomes of term and late preterm neonates admitted to a well-baby nursery following exposure to prolonged rupture of membranes and/or chorioamnionitis. *Ped Inf Dis J.* In press, 2011.
- LeFlore, JL, Engle, WD. Growth and neurodevelopment in extremely low birth weight neonates exposed to postnatal steroid therapy. *Am J Perinatol* 2011;28:635-641.
- Maisels MJ, Engle WD, Wainer S, Jackson GL, McManus S, Artinian F. Transcutaneous bilirubin levels in an outpatient and office population. *J Perinatol* 2011;31:621–624.
- Raff SA, Jackson GL, Nguyen RH, Manning MD, Engle WD. Early postnatal glucose screening in late preterm neonates. *J Neonatal Perinatal Med*, In press, 2011.
- Ramesh S, Morrell CN, Tarango C, Thomas GD, Yuhanna IS, Herz J, Urbanis RT, de Groot PG, Thorpe PE, Salmon JE, Shaul PW\*, Mineo C\*: Antiphospholipid antibodies promote leukocyte-endothelial cell adhesion and thrombosis in mice by antagonizing eNOS via β2GPI and apoER2. *J. Clin. Invest.* 121:120-131, 2011. \* shared senior authorship.
- Rees S, Loeliger M, Shields A, Shaul PW, McCurnin D, Yoder B, Inder T: The effects of postnatal estrogen therapy on brain development in preterm baboons. *Am. J. Obstet. Gynecol.* 204:177.e8-177.e14, 2011.
- Solevag AL, Dannevig I, Wyckoff MH, Saugstad OD, Nakstad B. Return of spontaneous circulation with compression: ventilation ratio 15:2 versus 3:1 in newborn pigs with cardiac arrest due to asphyxia. *Arch Dis Child Fetal Neonatal Ed* 2011;96:F417-F421.
- Stewart A, Brion LP, Ambrosio-Perez I. Diuretics acting on the distal renal tubule for preterm infants with (or developing) chronic lung disease. *Cochrane Database Syst Rev.* 2011 Sep 7;9:CD001817
- Stewart A, Brion LP. Intravenous or enteral loop diuretics for preterm infants with (or developing) chronic lung disease. *Cochrane Database Syst Rev.* 2011 Sep 7;9:CD001453
- Sundgren NC, Zhu W, Yuhanna IS, Ahmed M, Mineo C, Shaul PW: Coupling of FcγRI to FcγRIIB by Src kinase mediates C-reactive protein impairment of endothelial function. *Circ. Res.*, in press.
- Waleh N, McCurnin DC, Yoder BA, Shaul PW, Clyman RI: Patent ductus arteriosus ligation alters pulmonary gene expression in preterm baboons. *Pediatr. Res.* 69:212-216, 2011.
- Wang Y, Zang QS, Liu Z, Wu Q, Dulan G, Shaul PW, Melito L, Frantz DE, Kilgore JA, Williams NS, Terada LS, Nwariaku FE: Regulation of VEGF-induced endothelial cell migration by mitochondrial reactive oxygen species. *Am. J. Physiol. Cell Physiol.* 301:C695-C704, 2011.
- Wyckoff MH, Salhab WA, Heyne RJ, Kendrick DE, Stoll BJ, Laptook AR; National Institute of Child Health and Human Development Neonatal Research Network. Outcome of Extremely Low Birth Weight Infants Who Received Delivery Room

# Neonatal-Perinatal Medicine Faculty Scholarship

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Cardiopulmonary Resuscitation. J Pediatr. 2011 Sep 17. [Epub ahead of print] PMID: 21930284

- Wyckoff MH, Salhab WA, Heyne RJ, Kendrick DE, Stoll BJ, Laptook AR. Outcome of extremely low birth weight infants who received delivery room cardiopulmonary resuscitation. J Peds 2011; In Press.

## 2010

- Ang JY, Lua JL, Asmar BI, Shankaran S, Heyne RJ, Schelonka RL, Das A, Li L, Jackson DM, Higgins RD, D'Angio CT; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Nasopharyngeal carriage of *Streptococcus pneumoniae* in very low-birth-weight infants after administration of heptavalent pneumococcal conjugate vaccine. Arch Pediatr Adolesc Med. 2010 Dec;164(12):1173-5. No abstract available. PMID: 21135351
- Benjamin DK Jr, Stoll BJ, Gantz MG, Walsh MC, Sánchez PJ, Das A, Shankaran S, Higgins RD, Auten KJ, Miller NA, Walsh TJ, Laptook AR, Carlo WA, Kennedy KA, Finer NN, Duara S, Schibler K, Chapman RL, Van Meurs KP, Frantz ID 3rd, Phelps DL, Poindexter BB, Bell EF, O'Shea TM, Watterberg KL, Goldberg RN; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neonatal candidiasis: epidemiology, risk factors, and clinical judgment. Pediatrics. 126(4):e865-73, 2010
- Benjamin DK Jr, Smith PB, Arrieta A, Castro L, Sánchez PJ, Kaufman D, Arnold LJ, Kovanda LL, Sawamoto T, Buell DN, Hope WW, Walsh TJ. Safety and pharmacokinetics of repeat-dose micafungin in young infants. Clin Pharmacol Ther. 87(1):93-9, 2010
- Blanco CL, Liang H, Joya-Galeana J, DeFronzo RA, McCurnin D, Musi N. The ontogeny of insulin signaling in the preterm baboon model. Endocrinology. 151(5):1990-7, 2010
- Blumer J, Rodriguez A, Sánchez PJ, Sallas W, Kaiser G, Hamed K. Single-dose pharmacokinetics of famciclovir in infants and population pharmacokinetic analysis in infants and children. Antimicrob Agents Chemother. 54(5):2032-41, 2010
- Boppana SB, Ross SA, Novak Z, Shimamura M, Tolan RW Jr, Palmer AL, Ahmed A, Michaels MG, Sánchez PJ, Bernstein DJ, Britt WJ, Fowler KB; National Institute on Deafness and Other Communication Disorders CMV and Hearing Multicenter Screening (CHIMES) Study. Dried blood spot real-time polymerase chain reaction assays to screen newborns for congenital cytomegalovirus infection. JAMA. 303(14):1375-82, 2010
- Chambliss KL, Wu Q, Oltmann S, Konaniah ES, Umetani M, Korach KS, Thomas GD, Mineo C, Yuhanna IS, Kim SH, Madak-Erdogan Z, Maggi A, Dineen SP, Roland CL, Hui DY, Brekken RA, Katzenellenbogen JA, Katzenellenbogen BS, Shaul PW. Non-nuclear estrogen receptor alpha signaling promotes cardiovascular protection but not uterine or breast cancer growth in mice. J Clin Invest. 120(7):2319-30 2010.
- Christman C, Hemway RJ, Wyckoff MH, Perlman JM. The two-thumb is superior to the two-finger method for administering chest compressions in a manikin model of neonatal resuscitation. Arch Dis Child Fetal Neonatal Ed. 2010 Sep 16. [Epub ahead of print] PubMed PMID: 20847197.
- Dannevig I, Solevåg AL, Wyckoff M, Saugstad OD, Nakstad B. Delayed Onset of Cardiac Compressions in Cardiopulmonary Resuscitation of Newborn Pigs with Asphyctic Cardiac Arrest. Neonatology. 11;99(2):153-162, 2010
- D'Angio CT, Heyne RJ, O'Shea TM, Schelonka RL, Shankaran S, Duara S, Goldberg RN, Stoll BJ, Van Meurs KP, Vohr BR, Das A, Li L, Burton RL, Hastings B, Phelps DL, Sánchez PJ, Carlo WA, Stevenson DK, Higgins RD; NICHD Neonatal Research Network. Heptavalent pneumococcal conjugate vaccine immunogenicity in very-low-birth-weight, premature infants. Pediatr Infect Dis J. 29(7):600-6, 2010
- Duryea EL, Sánchez PJ, Sheffield JS, Jackson GL, Wendel GD, McElwee BS, Boney LF, Mallory MM, Owen KE, Stehel EK. Maternal human immunodeficiency virus infection and congenital transmission of cytomegalovirus. Pediatr Infect Dis J. 29(10):915-8, 2010
- Jackson GL, Hoyer A, Longenecker L, Engle WD. Anterior fontanel size in term and late preterm Hispanic neonates: description of normative values and an alternative measurement method. Am J Perinatol. 27(4):307-12. 2010
- Kapadia V, Embers D, Wells E, Lemler M, Rosenfeld CR. Prenatal Closure of the Ductus Arteriosus and Maternal Ingestion of Anthocyanins. J Perinatol 30:291-4, 2010
- Khan L, Rosenfeld CR, Liu X, Magness RR. Regulation of the cGMP-cPKG pathway and large-conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channels uterine arteries during the ovine ovarian cycle. Am J Physiol Endocrin Metabol, 2010: 298: E222-E228
- Kompass KS, Deslee G, Moore C, McCurnin D, Pierce RA. Highly conserved transcriptional responses to mechanical ventilation of the lung. Physiol Genomics. 42(3):384-96, 2010
- Loeliger M, Shields A, McCurnin D, Clyman RI, Yoder B, Inder TE, Rees SM.
- Ibuprofen treatment for closure of patent ductus arteriosus is not associated with increased risk of neuropathology. Pediatr Res. 68(4):298-302, 2010

# Neonatal-Perinatal Medicine Faculty Scholarship

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- Ramos FG, Rosenfeld CR, Roy L, Koch J, Ramaciotti C. Echocardiographic predictors of symptomatic patent ductus arteriosus in extremely-low-birth-weight preterm neonates. *J Perinatol.* 30(8):535-9, 2010
- Rich WD, Auten KJ, Gantz MG, Hale EC, Hensman AM, Newman NS, Finer NN; National Institute of Child Health and Human Development Neonatal Research Network. Antenatal consent in the SUPPORT trial: challenges, costs, and representative enrollment. *Pediatrics.* 126(1):e215-21, 2010
- Saddar S, Mineo C, Shaul PW. Signaling by the high-affinity HDL receptor scavenger receptor B type I. *Arterioscler Thromb Vasc Biol.* 2010 30(2):144-50, 2010
- Solevåg AL, Dannevig I, Wyckoff M, Saugstad OD, Nakstad B. Extended series of cardiac compressions during CPR in a swine model of perinatal asphyxia. *Resuscitation.* 2010 Jul 16. [Epub ahead of print] PubMed PMID: 20638769.
- Stoll BJ, Hansen NI, Bell EF, Shankaran S, Laptook AR, Walsh MC, Hale EC, Newman NS, Schibler K, Carlo WA, Kennedy KA, Poindexter BB, Finer NN, Ehrenkranz RA, Duara S, Sánchez PJ, O'Shea TM, Goldberg RN, Van Meurs KP, Faix RG, Phelps DL, Frantz ID 3rd, Watterberg KL, Saha S, Das A, Higgins RD; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Neonatal outcomes of extremely preterm infants from the NICHD Neonatal Research Network. *Pediatrics.* 126(3):443-56, 2010
- SUPPORT Study Group of the Eunice Kennedy Shriver NICHD Neonatal Research Network, Finer NN, Carlo WA, Walsh MC, Rich W, Gantz MG, Laptook AR, Yoder BA, Faix RG, Das A, Poole WK, Donovan EF, Newman NS, Ambalavanan N, Frantz ID 3rd, Buchter S, Sánchez PJ, Kennedy KA, Laroia N, Poindexter BB, Cotten CM, Van Meurs KP, Duara S, Narendran V, Sood BG, O'Shea TM, Bell EF, Bhandari V, Watterberg KL, Higgins RD. Early CPAP versus surfactant in extremely preterm infants. *N Engl J Med.* 362(21):1970-9, 2010. Erratum in: *N Engl J Med.* 2010 Jun 10;362(23):2235.
- SUPPORT Study Group of the Eunice Kennedy Shriver NICHD Neonatal Research Network, Carlo WA, Finer NN, Walsh MC, Rich W, Gantz MG, Laptook AR, Yoder BA, Faix RG, Das A, Poole WK, Schibler K, Newman NS, Ambalavanan N, Frantz ID 3rd, Piazza AJ, Sánchez PJ, Morris BH, Laroia N, Phelps DL, Poindexter BB, Cotten CM, Van Meurs KP, Duara S, Narendran V, Sood BG, O'Shea TM, Bell EF, Ehrenkranz RA, Watterberg KL, Higgins RD. Target ranges of oxygen saturation in extremely preterm infants. *N Engl J Med.* 362(21):1959-69, 2010
- Twarock S, Tammi MI, Savani RC, Fischer JW. Hyaluronan stabilizes focal adhesions, filopodia, and the proliferative phenotype in esophageal squamous carcinoma cells. *J Biol Chem.* 285(30):23276-84, 2010
- Waleh N, Hodnick R, Jhaveri N, McConaghy S, Dagle J, Seidner S, McCurnin D, Murray JC, Ohls R, Clyman RI. Patterns of gene expression in the ductus arteriosus are related to environmental and genetic risk factors for persistent ductus patency. *Pediatr Res.* 68(4):292-7, 2010

## Reviews

### 2011

- Stewart LA, Brion LP. Routine Use of Diuretics in Very Low Birth Weight Infants Without Supportive Evidence *J Perinatology,* 31:633-4, 2011

## Letters

### 2011

- Ryan RM, Brion LP, Aucott SW, Juul SE, Parker TA, Savich RD, Dukhovny D, Cummings JJ, Guttentag SH, LaGamma EF, Price WA, Campbell DE. Organization of Neonatal Training Program Directors Council responds to the GME 2010 Proposed Standards. *J Perinatol.* 31(4):296-7, 2011

## Chapters

### 2011

- Kapadia VS, Brion LP. Neonatal jaundice. In: McInerney T, Adam H, Campbell D, DeWitt T, Foy J, Kamat D, eds. *American Academy of Pediatrics Textbook of Pediatric Care.* Elk Grove Village, IL: American Academy of Pediatrics, in press
- Wyckoff MH. Delivery Room Resuscitation. In: Rudolph CD, Rudolph AM, Lister GE, First LR, Gershon AA, eds. *Rudolph's Pediatrics.* 22<sup>nd</sup> ed. New York, NY. McGraw Hill; 2011:164-170.
- Wyckoff MH. Medications. In: Kattwinkel J, ed. *Neonatal Resuscitation Textbook.* 6<sup>th</sup> ed. Elk Grove, IL. American Academy of Pediatrics/American Heart Association; 2011.

# Neonatal-Perinatal Medicine Faculty Scholarship

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- Wyckoff MH. Respiratory and cardiovascular support in the delivery room. In: Bancalari E, ed. *The Newborn Lung*. 2<sup>nd</sup> ed. Philadelphia, PA. Elsevier; 2011.

## Workshops

### 2011

- Wyckoff, M. Oct. 14, 2011 Roll Up Your Sleeves and Practice NRP. 2011 NCE AAP. Boston, MA.
- Wyckoff, M. Oct. 26, 2011 Advances in Neonatal Respiratory Care Workshop. Delivery Room Care. 35<sup>th</sup> Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.

## Invited Talks

### 2011

- Brannon, T. *Human-Centered Design for Epic Builders*. in *Epic User Group Meeting 2011*. 2011. Verona, WI: Epic Systems.
- Brannon, T. *Problem-Oriented Documentation in the NICU*. in *Epic User Group Meeting 2011*. 2011. Verona, WI: Epic Systems.
- Heyne R. "Long Term Follow-up" NICU Noon Conference Series (each rotation block for Pediatric Residents in NICU) 2010:10/19,11/12,12/10; 2011: 1/7,2/4
- Heyne R. "Tiny NICU Graduates: What to Expect and What to Do" CMC Grand Rounds, March 9, 2011
- Heyne R. "Baby Doe Law/Rule 25 Years Later: Impact/Practice/Reasoning: Interactive discussion of ethical issues in withholding medically indicated treatment from a disabled infant with life-threatening conditions." Ethics Forum CMC March 31, 2011
- Parker T, Brion LP. Teaching and Assessing Professionalism. Presented at: ONTPD meeting, Boston, MA, 10/14/11
- Shaul, P. "Novel Endogenous and Exogenous SERMs and Cardiovascular Health". Estrogens, SERMs, and TSECs Scientific Meeting, Clearwater FL, April, 2011.
- Shaul, P. "Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally". Keynote Speaker, 30<sup>th</sup> Annual Pratt Lectures, Cincinnati Children's Medical Center, University of Cincinnati College of Medicine, Cincinnati OH, May, 2011.
- Shaul P. "Recent insights into the Vascular Biology of the HDL Receptor SR-BI and its Adaptor Protein PDZK1." Department of Pathology, Metabolic Disease Institute, University of Cincinnati College of Medicine, Cincinnati OH, May, 2011.
- Shaul, P. "Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally". Department of Pediatrics, Boston Children's Hospital, Harvard Medical School, Research Poster Symposium, Keynote Speaker, June 2011.
- Shaul, P. "The Endogenous Selective Estrogen-Receptor Modulator 27-Hydroxycholesterol Promotes Breast Cancer Tumor Growth". Era of Hope Conference, Department of Defense, Orlando, FL, August 2011.
- Shaul, P. "Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease". Department of Medicine, University of Rochester School of Medicine and Dentistry, Aab Cardiovascular Research Institute, Rochester, NY, September 2011.
- Shaul, P. "Biology of Nitric Oxide in Bronchopulmonary Dysplasia" Bronchopulmonary Dysplasia (BPD) Conference: Just Say NO, UT Southwestern Medical Center, Dallas, TX, October 2011.
- Sparks JE. 2010 ILCOR and NRP Guidelines Update. Presented at: Annual Respiratory Care Symposium, Texas Society of Respiratory Care, Plano, TX, 4/15/11
- Wyckoff, M. May 1, 2011 2011 Neonatal Resuscitation Guidelines: The Physiologic Basis of Cardiac Compressions and Cardiac Stimulants. Pediatric Academic Society. Denver, CO.
- Wyckoff, M. Jun. 7, 2011 2011 Scientific Updates for Instructors. American Academy of Pediatrics Neonatal Resuscitation Program. National Webinar.
- Wyckoff, M. Jun. 21, 2011 2011 Scientific Updates for Instructors. American Academy of Pediatrics Neonatal Resuscitation Program. National Webinar.
- Wyckoff, M. Oct. 14, 2011 Effectiveness of Plastic Lined Hats for Prevention of Hypothermia in Premature Newborns in the Delivery Room. 2011 NCE AAP. Boston, MA.
- Wyckoff, M. Oct. 14, 2011 Chest Compressions-Why is the Newborn Unique? 2011 NCE AAP. Boston, MA.
- Wyckoff, M. Oct. 16, 2011 Cardiovascular Support in the Delivery Room-Can We Do It Better? 2011 NCE AAP. Boston, MA.

# Neonatal-Perinatal Medicine Faculty Scholarship

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- Wyckoff, M. Oct. 27, 2011 Impact of Delivery Room CPR on the Outcome of Preterm Infants. 35<sup>th</sup> Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
- Wyckoff, M. Oct. 29, 2011 Changes in the 2011 NRP Guidelines. 35<sup>th</sup> Miami Neonatology 2011 Annual International Conference. University of Miami. Miami Beach, FL.
- Wyckoff, M. Nov. 1, 2011 Neonatal Resuscitation Program 2011: Changes and Controversies 5<sup>th</sup> Neonatology “Current Concepts and Footsteps for the Future” Conference. Scott and White Hospital, Temple, TX.
- Wyckoff, M. Nov. 18, 2011 NRP Update I: Temperature Stabilization and Airway Management. 2011 Clinical Advances in Pediatrics. Children’s Mercy Hospital, Kansas City, MO.
- Wyckoff, M. Nov. 18, 2011 NRP Update II: CPR and Medications. 2011 Clinical Advances in Pediatrics. Children’s Mercy Hospital, Kansas City, MO.

## 2010

- Brion LP. “Duty hours.” ONTPD meeting, San Francisco, CA, 10/1/10
- Sanchez P. “Perinatal Infections: Overview and Update” University of Minnesota, Minneapolis, MN, 4th Annual Jamie McNew Endowed Fellowship Lectureship, Grand Rounds, 2/10/10
- Sanchez P. “Strategies to Limit Infections in the Neonate and Reduce Infection-Related Mortality,” 14th International Congress on Infectious Diseases, Miami, Florida, 3/11/2010
- Savani RC. Jerry Elliot Memorial Lecturer – Mead Johnson Southeastern Perinatal Research Conference, 2/2010
- Savani RC. Visiting Professor, Department of Pediatrics, Vanderbilt University, Nashville, TN 3/2010
- Savani RC. Invited speaker, HA 2010 International Conference, Kyoto, Japan 6/2010
- Schneider J. “HIT Overview for the Healthcare Professional” Texas Health IT Summit 01/2010
- Schneider J. “Making Meaning of Meaningful Use” Midland Hospital Medical Staff, Midland TX 01/2010
- Schneider J. “ARRA and the Baylor Healthcare System: We’re Even More Stimulated!” VHA Texas Medical Staff Leadership Conference, Frisco, TX 2/2010
- Schneider J. “Health Information Technology (HIT) and the Medicaid/CHIP Health Information Exchange (HIE) Advisory Committee” Texas Senate Testimony, Austin, TX 04/2010
- Schneider J. “Quality and Health Information Technologies: CHIPRA and ARRA Opportunities, Risks and Action Steps” American Academy of Pediatrics Board of Directors Megaissue Presentation, Elk Grove, IL 05/2010
- Schneider J. “EMR 2.0 and Why We Need It” Texas Medicaid, Austin, TX 06/2010
- Schneider J. “Health Information Exchange: Are You Ready?” Texas Department of Health and Human Services Grand Rounds, Austin, TX 06/2010
- Schneider J. “Is Health Information Exchange A Golden Apple?” Health Information Management System Society (HIMSS) Dallas Chapter, Arlington, TX 08/2010
- Schneider J. “ARRA: Is Your Data Safe?” Alliance For Healthcare Excellence, Irving, TX 09/2010
- Schneider J. “Pediatric Documentation Challenge” American Academy of Pediatrics National Conference and Exhibition, San Francisco, CA 10/2010
- Schneider J. “ARRA and Meaningful Use: What’s In It for Pediatrics?” Texas Pediatric Society, San Antonio, TX 10/2010
- Shaul P. “Manipulating Molecular Events in Endothelial Cell Caveolae to Prevent Cardiovascular Disease: Think Globally, Act Locally”. The Strauss Lecture, Vanderbilt Children’s Hospital, Nashville, TN, April 2010.
- Shaul P. “Vascular Biology of the HDL Receptor SR-BI and its Adaptor Protein PDZK1”. Department of Medicine, Vanderbilt Children’s Hospital, Nashville, TN, April 2010.
- Shaul P. “Non-nuclear Estrogen Receptors and a Novel Selective Estrogen Receptor Modulator”. Featured Topic Symposium, Experimental Biology Annual Meeting, Anaheim, CA, April 2010.
- Shaul P. “Extranuclear Actions of Estrogen in the Vasculature”. Basic Science Symposium, Endocrine Society 92nd Annual Meeting, San Diego, CA, June 2010.
- Shaul P. “Basic Biology of Hormone Replacement Therapy (HRT) with Estrogen to Prevent Cardiovascular Disease: How to Help and not HRT.” UT Southwestern Obesity Alliance Seminar Series on Nutrition, Metabolism and Obesity, September, 2010.
- Sparks JE. “Current Concepts in Neonatal Resuscitation.” Presented at: Annual Respiratory Care Symposium, Texas Society of Respiratory Care, Plano, TX, 4/23/10
- Wyckoff M. “In neonates receiving chest compressions (P), do other ratios (5:1, 15:2) (I) versus 3:1 (C) improve outcomes (O)?” International Consensus on Cardiopulmonary and Emergency Cardiovascular Care Science and Treatment

# Neonatal-Perinatal Medicine Faculty Scholarship

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Recommendations Conference. Dallas, TX. 02/2010

- Wyckoff M. "For newborns receiving chest compressions (P) does the use of a two thumb technique (I) as opposed to a two finger technique (C) improve outcome (O)?" International Consensus on Cardiopulmonary and Emergency Cardiovascular Care Science and Treatment Recommendations Conference. Dallas, TX. 02/2010
- Wyckoff M. "Neonatal Resuscitation: Airway/Breathing." NeoPREP Conference. Newport Beach, CA. 02/2010
- Wyckoff M. "Neonatal Resuscitation: Compressions/Drugs." NeoPREP Conference. Newport Beach, CA. 02/2010
- Wyckoff M. "Impact of delivery room CPR on the outcome of preterm infants. Neonatal Resuscitation Research Workshop." Sponsored by the National Health and Medical Research Council Centers of Clinical Research Excellence in Newborn Medicine of Australia. Vancouver, Canada. 05/2010
- Wyckoff M. "Workshop-Basic simulation set-up and facilitation." NRP Current Issues Seminar. 2010 NCE AAP. San Francisco, CA. 10/2010
- Wyckoff M. "Delivery room management and initial stabilization of the ELBW infant." 2010 NCE AAP. San Francisco, CA. 10/2010
- Wyckoff M. "Prevention of hypothermia for the preterm infant in the delivery room." 2010 South Central Conference on Perinatal Research. Austin, TX. 10/2010

## Abstracts and Presentations

### 2011

- Afanador M, Bennett KM, Legan S, Xu H, Dravis C, Williams O, Savani RC, Henkemeyer M, Schwarz MA. Mice lacking Ephrin B2 reverse signaling have increased lung fibronectin deposition and compromised pulmonary function. Platform presentation at PAS, Denver, CO, 4/30-5/2/11; PAS Travel Award
- Dupont TL, Chalak LF, Morriss MC, Rollins N, Heyne R, Sánchez PJ. Neurodevelopmental (ND) Outcomes and Brain MRI Findings in Infants Treated with Systemic Hypothermia for Hypoxic-Ischemic Encephalopathy (HIE). Submitted to PAS-SPR 2011
- Frankfurt J, Duncan A, Heyne R, Rosenfeld CR. Studies of renal function and systolic blood pressure in preterm very-low-birth-weight infants at 1-3 years chronologic age. Presentation at PAS, Denver, CO, 4/30-5/2/11
- Frankfurt J, Duncan A, Heyne R, Rosenfeld CR. Studies of renal function and systolic blood pressure in preterm very-low-birth-weight infants at 1-3 years chronologic age. Poster Presentation at 78th Perinatal & Developmental Medicine Symposium "The Science and Practice of Protecting Newborn Lungs" Aspen, CO, June 2-5, 2011
- Jackson GL, Rawicki PB, Manning MD, Engle WD. Hospital course and short-term outcomes of term and late preterm (LPT) neonates exposed to prolonged rupture of membranes (PROM) and/or chorioamnionitis (CH). PAS, 2011.
- Jeyaraj J, Liao J, Cheong N, Longoria C, Mirpuri J, Savani RC. The Hyaluronan Receptor RHAMM Significantly Contributes To Alveolarization During Normal Development and in the Response to Neonatal Hyperoxia. American Academy of Pediatrics Section on Perinatal Pediatrics 79th Perinatal & Developmental Medicine Symposium, Marco Island Marriott Resort, Marco Island, Florida, 11/10-13/11
- John E Sparks, MD, Lina F Chalak, MD, and Myra H Wyckoff, MD. Ergonomics of Neonatal CPR: Cardiac Compressions from the Patient's Side versus Head of Bed. APS-SPR Meeting, May 2011.
- Lilian T St. John, MD, Lina F Chalak MD, and Myra H Wyckoff, MD. Admission Hyperthermia in Preterm Newborns 34 wks Gestation: Risk Factors and Morbidities. APS-SPR Meeting, May 2011.
- Mineo C, Shaul PW: Regulation of eNOS in caveolae. In: Caveolins and Caveolae: Roles in Signaling and Disease Mechanisms, Ed. J-F Jasmin, P.G. Frank, M.P. Lisanti, Landes Bioscience and Springer Science + Business Media, 2011.
- Mineo C, Shaul PW: PON-dering differences in HDL function in coronary artery disease. J. Clin. Invest. 121:2545-2548, 2011.
- Sparks JE, Jaleel MA, Christie L, Brion LP, Wyckoff MH. Impact Of Changes In The 2006 Neonatal Resuscitation Program (NRP) Recommendations For Delivery Room Epinephrine Use. Pediatric Academic Societies Meeting. Denver, CO, 2011. Platform Presentation
- Sparks JE, Chalak LF, Perlman JM, Wyckoff MH. Ergonomics of Neonatal CPR: Cardiac Compressions from the Patient's Side versus Head of Bed. Pediatric Academic Societies Meeting. Denver, CO, 2011. Platform Presentation.
- Sparks JE, Jaleel MA, Christie L, Brion LP, Wyckoff, MH. Impact Of Changes In The 2006 Neonatal Resuscitation Program (NRP) Recommendations For Delivery Room Epinephrine Use. Platform Presentation at PAS, Denver, CO, 5/1/11
- Sparks JE, Chalak LF, Perlman JM, Wyckoff MH. Ergonomics of neonatal CPR: Cardiac compressions from the patient's side versus head of bed. Platform Presentation at PAS, Denver, CO, 4/30-5/2/11
- St. John LT, Christie LH, Burchfield J, Chalak LF, Wyckoff MH. Admission Hyperthermia in Preterm Newborns  $\leq$ 34 wks

# Neonatal-Perinatal Medicine Faculty Scholarship

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- Gestation: Risk Factors and Morbidities. Pediatric Academic Societies Meeting. Denver, CO, 2011. Poster Presentation.
- St. John LT, Christie LH, Burchfield J, Wyckoff MH. Effectiveness of Plastic Lined Hats for Prevention of Hypothermia in Premature Newborns in the Delivery Room Pediatric Academic Societies Meeting. Denver, CO, 2011. Poster Presentation.
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- Afanador M, Bennett KM, Dravis C, Henkemeyer M, Schwarz MA. Role of EphrinB2 in Distal Pulmonary Epithelial Formation. Presentation at: AAP South Central Perinatal Conference, Austin, TX, 10/26-28/10
- Chalak LF, Brion LP, Morris MC, Burchfield J, Christie L, Sánchez PJ. Biochemical screening criteria for assessment of hypoxic-ischemic encephalopathy (HIE): How do they apply to the late preterm infant? Poster presentation at PAS-SPR, Vancouver, Canada, 5/10
- Cheong N, Liao J, Mija D, Al-Saadi R, Savani RC. Increased Disease Severity, Mortality and Respiratory Distress After Acute Lung Injury in Mice Heterozygous for the Surfactant Lipid Transporter ABCA3. Platform presentation at PAS-SPR, Vancouver, Canada, 5/10
- DuPont TL, Chalak LF, Morriss MC, Heyne R, Sánchez PJ. Short-term outcomes of infants who did not qualify for hypothermia therapy for hypoxic ischemic encephalopathy. Poster presentation at PAS-SPR, Vancouver, Canada, 5/10
- DuPont TL, Chalak LF, Heyne R, Morriss MC, Sánchez PJ. Short-term outcomes of infants who did not qualify for hypothermia therapy for hypoxic ischemic encephalopathy. Presentation at: AAP South Central Perinatal Conference, Austin, TX, 10/26-28/10
- Frankfurt J, Duncan A, Heyne R, DeSpain K, Rosenfeld CR. Studies of Renal Function and Blood Pressure in Preterm Very-low-birth-weight Infants at 1-3yrs Chronologic Age. Presentation at: AAP South Central Perinatal Conference, Austin, TX, 10/27/10
- Kapadia VS, Chalak LF, Dupont TL, Christie L, Burchfield J, Brion LP, Wyckoff MH. Hyperoxemia within the 1st hour of life following perinatal asphyxia and subsequent development of moderate-severe hypoxic ischemic encephalopathy (HIE). Platform presentation at PAS-SPR, Vancouver, Canada, 5/10
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- Rosenfeld CR, DeSpain K, Liu X. Modulation of angiotensin II (ANG II) sensitivity across the uteroplacental vascular bed

## Neonatal-Perinatal Medicine Faculty Scholarship

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(UPVB) during ovine pregnancy. Poster presentation at PAS-SPR, Vancouver, Canada, 5/10

- Sparks JE, Jaleel MA, Christie L, Brion LP, Wyckoff, MH. Impact Of Changes In The 2006 Neonatal Resuscitation Program (NRP) Recommendations For Epinephrine Usage In Delivery Room. Presentation at Mead Johnson Nutritionals South Central Conference on Perinatal Research, Austin, TX, 10/26-28/10
- St.John L, Christie LH, Huan R, Wyckoff MH. Risk factors for the development of hypothermia in preterm infants in the delivery room. Poster presentation at PAS-SPR, Vancouver, Canada, 5/10
- Sundgren NC, Mineo C, Shaul PW. C-Reactive Protein Antagonizes Endothelial NO Synthase via FcγRI and Src Kinase-dependent Activation of FcγRIIB. Presente at Am Heart Association, Chicago, IL, 11/15/10
- Williams OW, Wang L, Savani RC. The Hyaluronan Receptor CD44 and ERK Signaling are required for Hypoxia-Induced Pulmonary Hypertension and Impaired Alveolarization in Neonatal Mice. Platform presentation at PAS-SPR, Vancouver, Canada, 5/10