

Recent Fellows



Stephen Baird, DO, MPH (2017-2020)

Education:

Medical:

2010-2014 University of North Texas Health Science Center, Fort Worth, TX

Post Graduate:

2014-2017 Texas A&M University Health Science Center, Temple, TX
Residency, Pediatrics

Research:

Mentor: Timothy Brannon, MD

Topic: Usage and Impact of the Problem List on Bronchopulmonary Dysplasia

Management in a Neonatal Intensive Care Unit

QI:

Mentor: Timothy Brannon, MD

Topic: Neonatal Respiratory Distress Problem List Resolution

Honors/Awards:

2015	Golden Apple- Resident Teaching Award
2012	Gold TOUCH Award (>100 community service hours)
2011	Silver TOUCH Award (>50 community service hours)

Chapters:

Cantey, JB., (ed) Baird, S. Neonatal Infections: Pathophysiology, Diagnosis and Management Chapter 27; Springer; 2018

Publications:

Cantey, JB, Baird, SD. Ending the Culture of Culture-Negative Sepsis in the Neonatal ICU. 2017 Oct;140(4). pii: e20170044. doi: 10.1542/peds.2017-0044. Epub 2017 Sep 1. PMID: 28928289.

Presentations and abstracts:

Baird, S., Brannon, T., Yallapragada, S., Mir, I. Usage and Impact of Bronchopulmonary Dysplasia on the Problem List in a Neonatal Intensive Care Unit, Accepted for Platform Presentation at PAS, Philadelphia, PA, May 2020 (Cancelled due to COVID-19)

Baird, S., Brannon, T., Neonatal Respiratory Distress Problem List Resolution – A Quality Improvement Project – NeoResp-QuIP, Oral Presentation at SWAN Conference, Temple, TX, September 2019



Margaret Hoge, MD (2017-2020)

Education:

Medical:

2010-2014 Wake Forest University School of Medicine, Winston-Salem, NC

Post Graduate:

2014-2017 UT Southwestern Medical Center, Dallas, TX
Residency, Pediatrics

Research:

Mentor: Roy Heyne, MD

Topic: PreVNT Trial: Preventing Vulnerable Child Syndrome in the NICU with Cognitive Behavioral Therapy- Randomized Control Trial. (ClinicalTrials.Gov ID: NCT03906435)
Principle Investigator

QI:

Mentor: Mackenzie Frost, MD

Topic: Improving screening for family stressors and mental health in the NICU

Honors/Awards:

2020	Jerry M. Lewis, M.D. Mental Health Research Foundation Grant
2020	AAP Western Conference on Perinatal Research Abstract Presenter and Travel Grant Recipient, Indian Wells, CA
2019	AAP TECaN Travel Scholarship for NCE in New Orleans, LA
2019	Scott & White Annual Neonatology (SWAN) Conference Travel Grant Recipient, Temple, TX
2019	AAP TECaN Travel Scholarship for Neonatal Workshop in Scottsdale, AZ
2014	Pediatric Scholarship, Wake Forest School of Medicine
2010	Phi Beta Kappa
2010	Golden Key Honor Society

Chapters:

Hoge, MK, Downtin LL, Horwitz SM, Shaw, RJ, Horwitz SM. Vulnerable Child Syndrome: A Review, Evaluation, and NICU Intervention. *Treatment of Psychological Distress in Parents of Premature Infants: PTSD in the NICU*. Ed. Shaw RJ, Ed. Horwitz SM. Washington D.C.: American Psychiatric Association Publishing, Due for Print in July 2020.

Publications:

Hoge K, Ali N. Apnea and hypotonia in a one-month old infant. NeoReviews, in press

Presentations and abstracts:

Hoge, M.K., Hoope, E., Clark, H., Walker, K., Fevrier, J., Bollers, L., Ramon, E., Fink, M., Lee, D., Frost, M., (2018) A Quality Improvement Project to Improve Assessment of Parental Stress in NICU. Poster presentation presented at PAS 2018 in Toronto, Canada.



Kiran Natique, MD (2017-2020)

Education:

Medical:

2005-2011 Ziauddin University, Karachi, Pakistan

Post Graduate:

2014-2017 Texas Tech University Health Science Center/El Paso Children's Hospital, El Paso, TX
Residency, Pediatrics

Research:

Mentor: Lina Chalak, MD

Topic: Doppler Ultrasonography to Stratify the Spectrum of NE in Infants with Perinatal Acidemia Who Do Not Classify for Cooling Therapy

QI:

Mentor: Mackenzie Frost, MD

Topic: Improving bedside teaching at Parkland

Presentations and abstracts:

Natique, K., Chalak, L., Savani, R., Muncy-Thomas, J., Doppler Ultrasonography to Stratify the Spectrum of NE in Infants with Perinatal Academia Who Do Not Classify for Cooling Therapy. Accepted for Poster Presentation at PAS, Philadelphia, PA, May 2020 (Cancelled due to COVID-19)

Natique, K., Chalak, L., Savani, R., Muncy-Thomas, J., Doppler Ultrasonography to Stratify the Spectrum of NE in Infants with Perinatal Academia Who Do Not Classify for Cooling Therapy. American Academy of Pediatrics 41st Western Conference on Perinatal Research, January 2020

Natique, K., Chalak, L., Savani, R., Muncy-Thomas, J., Doppler Ultrasonography to Stratify the Spectrum of NE in Infants with Perinatal Academia Who Do Not Classify for Cooling Therapy. SWAN Conference, Temple, TX, September 2019



Jessica Wickland, MD (2017-2020)

Education:

Medical:

2010-2014 Wayne State University School of Medicine, Detroit, MI

Post Graduate:

2014-2017 Phoenix Children's Hospital/Maricopa Medical Center Pediatric Residency Program, Phoenix, AZ
Residency, Pediatrics

Research:

Mentor: Charles Rosenfeld, MD

Topic: Prospective cohort study of very-low-birthweight (VLBW) infants at 10-13 years of age for rates of hypertension, obesity, and renal disease

QI:

Mentor: Vedanta Dariya, MD

Topic: Improving sedation during intubation at CMC

Presentations and abstracts:

Wickland J, Kehring A, Wade C, Micetic B, Martin G., A retrospective analysis of the effects of an exclusively human milk protein diet on the incidence of necrotizing enterocolitis. Accepted for Poster Presentation at PAS, Philadelphia, PA, May 2020 (Cancelled due to COVID-19)

Wickland, J, Heyne, R, Brown, LS, Turer, CB, Rosenfeld, CR. Preterm Very-Low-Birthweight (PT-VLBW) Infants Continue to Exhibit High Systolic Blood Pressure (SBP) and Altered Renal Function at Preadolescence. Presentation at AAP 94th Perinatal & developmental medicine symposium, Snow Mass, CO, June 2019



Britni Bradshaw Maple, M.D. (2016-2019)

Education:

Medical:

2008-2012 University of South Alabama College of Medicine Mobile, AL

Post Graduate:

2012-2015 Greenville Health System/ University of South Carolina Greenville, SC
Residency, Pediatrics

Research:

Mentor: Myra Wyckoff, MD

Topic: Impact of the 7th Edition NRP Guideline Changes on Outcomes of Meconium-Exposed Newborns

QI:

Mentor: Venkat Kakkilaya, MD

Topic: Improving Non-invasive Ventilation Rates in the Delivery Room

Honors/Awards:

2014	Pediatric Resident Primary Care Award
2014	First Place, SC AAP Poster Presentations
2014	Best Research Abstract for the AAP Section on Breastfeeding
2015	Pediatric Resident Teaching Award, awarded by GHS Medical Students
2015	Pediatric Resident Research Award
2015	Miracle Maker Award, presented by GHS Pediatric Faculty
2015	Outstanding House Staff Research Award

Chapters:

Johnson K, **Maple B**, Brion LP. In: Campbell, D (ed.). Neonatology for Primary Care, 2nd edition; Chapter 18: Neonatal Jaundice. American Academy of Pediatrics, 2018, in press

Grants:

Maple, B., Impact of the 7th Edition NRP Guidelines on Outcomes of Meconium-Exposed Newborns, Sponsor: NRP Steering Committee; 1/1/19-12/31/19; \$3000

Invited Presentations and Workshops:

Maple, B. NRP Current Issues Seminar; AAP National Conference, Orlando FL, November 2018

Presentations and abstracts:

Maple, B., Wyckoff, M., Kapadia, V., Impact of the 7th Edition NRP Guideline Changes on Outcomes of Meconium-Exposed Newborns, Senior Fellows' Research Day, Dallas, TX 5/28/2019

Maple, B., Wyckoff, M., Kapadia, V., Impact of the 7th Edition NRP Guideline Changes on Outcomes of Meconium-Exposed Newborns, Poster Symposium presentation at PAS, Baltimore, MD, April 2019

Bradshaw, B.M. (2014). Jousting Jaundice: The Impact of Baby-Friendly Hospital Practices on Rates of Neonatal Indirect Hyperbilirubinemia Poster presented at: Annual South Carolina Chapter of the American Academy of Pediatrics Meeting - First Place Winner; Myrtle Beach, SC

Bradshaw, B.M., Hudson, J.A./Krom, M. (2015). Jousting Jaundice: The Impact of Baby-Friendly Hospital Practices on Rates of Neonatal Indirect Hyperbilirubinemia Poster presented at: Greenville Health System Medical Education Day; Greenville, SC

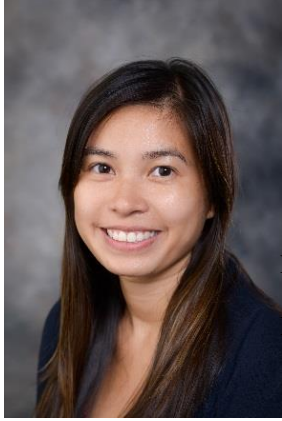
Bradshaw, B.M., Hudson, J.A./Krom, M. (2014). Jousting Jaundice: The Impact of Baby-Friendly Hospital Practices on Rates of Neonatal Indirect Hyperbilirubinemia Poster presented at: Institute for Child Success Early Childhood Research Symposium; Columbia, SC

Bradshaw, B.M. (2014). Jousting Jaundice: The Impact of Baby-Friendly Hospital Practices on Rates of Neonatal Indirect Hyperbilirubinemia Oral Presentation presented at: Pediatric Residency Program Grand Rounds; Greenville, SC

Bradshaw, B.M. (2015). No Place Like Home? A Survey of Home Births Oral Presentation presented at: Pediatric Residency Program Grand Rounds; Greenville, SC

Bradshaw, B.M. (2012). Diagnostic Value of Procalcitonin in Well-Appearing Young Febrile Infants Oral Presentation presented at: Pediatric Residency Program Journal Club; Greenville, SC

Bradshaw, B.M., Hudson, J.A./Hudson, J.A. (2014). Jousting Jaundice: The Impact of Baby-Friendly Hospital Practices on Rates of Neonatal Indirect Hyperbilirubinemia Oral Presentation presented at: National American Academy of Pediatrics Meeting; San Diego, CA
Johnson K, **Maple B**, Brion L, Campbell, D (ed.). Neonatology for Primary Care, 2nd edition; Chapter 18: Neonatal Jaundice. American Academy of Pediatrics, 2017 in press



An Nguyen, M.D. (2016-2019)

Education:

Medical:

2009-2013 University of Texas Southwestern Medical Center Dallas, TX

Post Graduate:

2013-2016 University of Texas at Austin Dell Medical School Austin, TX,
Residency, Pediatrics

Research: Mentor: Phillip Shaul, MD

Topic: Antiphospholipid Antibody Induced Maternal Hypertension in Mice

QI:

Mentor: Mackenzie Frost, MD

Topic: Improving Bedside Teaching at Parkland

Publications:

Nguyen, A., Moini, M. Analysis of major protein-protein and protein-metal complexes of erythrocytes directly from cell lysate utilizing capillary electrophoresis mass spectrometry. *Analytical Chemistry*. 2008, Sep; 80(18): 7169–7173. Cited in PubMed; PMID: 18710259. Pub Status: Published.

Presentations/Abstracts:

Nguyen, A., Chu, H., Sacharidou, A., Lo, J., Natale, D., Shaul, P., Mineo, C., Molecular Mechanisms and Novel Therapy for Pregnancy Complications in the Antiphospholipid Syndrome, Senior Fellows' Research Day, Dallas, TX 5/28/2019

Nguyen, A., Chu, H., Sacharidou, A., Natale, D., Mineo, C. Selective Trophoblast Deletion of APO E Receptor 2 Protects Pregnant Mice from Antiphospholipid Antibody-induced Pregnancy Complications. Presented at 92nd AAP Perinatal and Developmental Medicine Symposium.



Kshiti Shah, M.D. (2016-2019)

Education:

Medical:

2009-2013 Eastern Virginia Medical School Norfolk, VA

Post Graduate:

2013-2016 Jefferson Medical College/ Nemours A.I. duPont Hospital for Children Philadelphia, PA, Residency, Pediatrics

Research: Mentor: Julie Mirpuri, MD

Topic: Alteration of Stool Microbiota in Preterm Infants with Anemia

QI:

Mentor: Heather Weydig, MD

Topic: Improving Rates for Hep B Vaccinations in the first 24 hours

Presentations and abstracts:

Shah, K., Chalak, L., Mirpuri, J., Brown, L., Development of Anemia in Preterm Infants Alters the Microbiome, Poster presentation at PAS, Baltimore, MD, April 2019

Kshiti D Shah, MD, D. Thompson, MPH, K. Stomieroski, A. Acheson, MS, D.B. Ehrental, MD, MPH, R.S. Kirby, PhD, MS, L. Bartoshesky, MD, MPH and R. Locke, DO, MPH. (2015). Contribution of Birth Defects as a Cause of Fetal and Infant Deaths in Delaware Poster presented at: 2015 Eastern Society for Pediatric Research Annual Meeting; Philadelphia, PA

Kshiti D Shah, MD, D. Thompson, MPH, K. Stomieroski, A. Acheson, MS, D.B. Ehrental, MD, MPH, R.S. Kirby, PhD, MS, L. Bartoshesky, MD, MPH and R. Locke, DO, MPH. (2015). Contribution of Birth Defects as a Cause of Fetal and Infant Deaths in Delaware Poster presented at: 2015 Pediatric Academic Societies Annual Meeting; San Diego, CA

Kshiti Shah, MD. (2015). Rapid-Onset Obesity with Hypothalamic Dysfunction, Hypoventilation and Autonomic Dysregulation - Case Presentation Oral Presentation presented at: Pediatric Grand Rounds at Nemours Alfred I. duPont Hospital for Children; Wilmington, DE

Kshiti Shah, MD. (2015). Evidence Based Medicine: Transcutaneous versus Serum Bilirubin Measurement During and After Phototherapy Oral Presentation presented at: Evidence Based Medicine Senior Talk; Wilmington, D



William Smithhart, M.D. (2016-2019)

Education:

Medical:

2009-2013 University of Mississippi School of Medicine Jackson, MS

Post Graduate:

2013-2016 Virginia Commonwealth University Health Systems/Children's Hospital of Richmond, VA, Residency, Pediatrics

Research:

Mentor: Mambarambath Jaleel, MD

Topic: Continuous Positive Airway Pressure (CPAP) in the Delivery Room Increases Risk of Symptomatic Pneumothorax When Used in Term Infants for Hypoxia/Labored Breathing

QI:

Mentor: Venkat Kakkilaya, MD

Topic: Improving non-invasive Ventilation Rates in the Delivery Room

Honors/Awards:

2014
2015

Children's Hospital of Richmond Intern of the Month
Children's Hospital of Richmond Resident of the Month

Publications

Smithhart W, Wyckoff MH, Kapadia V, Jaleel M, Kakkilaya V, Brown LS, Nelson DB, Brion LP. Delivery room continuous positive pressure and pneumothorax in term and near-term neonates. Manuscript accepted for publication in Pediatrics

Presentations and abstracts

Smithhart, W., John, J., Moores, R., Shaver, L., & Pulju, M. (2015). Reducing Unplanned Intubations in the NICU Poster presented at: Virginia Commonwealth University Health Systems Pediatric QI Grand Rounds; Richmond, VA.

Smithhart, W., Lee, C., & Shodhan, S. (2015). Not Your Typical Case of Pharyngitis Poster presented at: Society of Hospitalist Medicine National Convention; National Harbor, MD

Smithhart, W., Xu, J., Rozycki, H., & Moores, R. (2015). Comparing NIPPV vs. Non-invasive NAVA in Preterm Infants in the NICU Poster presented at: Virginia Commonwealth University Health Systems Pediatric Research Grand Rounds; Richmond, VA

Smithhart, W. (2015). Presenter for multiple conferences detailing such topics as glycogen storage diseases, uvulitis, posterior fossa syndrome, clonidine toxicity, Burkitt's lymphoma, and neonatal polycythemia. Oral Presentation presented at: Virginia Commonwealth University Health Systems Pediatrics Morning Report; Richmond, VA

Smithhart W, Wyckoff M, Kapadia V, Kakkilaya V, Brown LS, Nelson D, Brion LP. (2018) *Association of Symptomatic Pneumothorax in Term and Late-Preterm Infants with Continuous Positive Airway Pressure (CPAP) in the Delivery Room*. Poster presented at Pediatric Academic Societies 2018 Meeting in Toronto, Canada.



John Ibrahim, M.B.Ch.B. (2015-2018)

Education:

Medical:

2000-2006 Ain Shams University Faculty of Medicine, Egypt

Post Graduate:

2012-2015 Winthrop University Hospital Mineola, NY Pediatrics

Research:

Topic: CD44 receptor and BPD

Mentor: Rashmin Savani, MBChB

Honors/Awards:

2006 Graduation from medical school with highest honors.
2000-2006 Dean's List (Multiple).
2018 PAS Travel Award, Toronto, Canada

Presentations and abstracts

Ibrahim John, NoyolaEstela, CorenCharles,MD, AggarwalRenu, MD.. (2014). Case Report: Giant Omphalocele With Complex Venous Vascular Anomalies: What Is The Appropriate Timing & Surgical Approach? Poster presented at: Winthrop Annual Research DDay.; Mineola, NY .

Ibrahim John, WanElias, BarlevDan, MD, Daum Fredric,MD.. (2013). Management Of A Child With A Simultaneous Multiple Magnet Ingestion: Case Report. Poster presented at: Winthrop Annual Research Day on April 2013./ NASPGHAN Annual meeting in Chicago October 2013; Mineola, NY .

Yee Aaron, **Ibrahim** John, Kronwith Stephen, MD.. (2014). Bilateral Congenital Eyelid Eversion. Poster presented at: Winthrop Annual Research day.; Mineola, NY .

Ibrahim J, Sher I, Coren C, Nayak A:Secondary structural cause of tachypnea following CDH repair in a full term neonate. Neoreviews, in press.

Ibrahim J, Maffei D, El-Chaar G, Ponnaiya S, Nayak A, Rosenfeld W, Hanna N: Should Gentamicin trough levels be routinely obtained in term neonates?. J of Perinatology, in review

“Mechanisms of Activation of the NLRP3 Inflammasome: The Role of EC-SOD, Hyaluronan and CD44 in Bronchopulmonary Dysplasia (BPD)”, Oral presentation at 91st Perinatal & Developmental Medicine Symposium Conference. Bonita Springs, Florida, June 2017

“EC-SOD KO mice have worse alveolarization, inflammation and cytokine elaboration after neonatal hyperoxia exposure”. Oral presentation at Senior fellow research day, UT Southwestern Medical Center, May 2018.

Ibrahim, J., Frost, M. (2018) How Baby Side-shows in fairs and amusement parks helped warm our “weaklings.” Poster Symposium, PAS 2018 in Toronto, Canada.

Ibrahim, J., Liao, J., Cheong, N., Longoria, C., Grayck, E., Savani, R. (2018) Extracellular Superoxide Dismutase (EC-SOD) knockout mice have worse alveolarization, inflammation and cytokine elaboration after neonatal hyperoxia exposure. Poster presentation: PAS 2018 in Toronto, Canada

Abbey, N., Mashruwala, V., Ramon, E., **Ibrahim, J.**, Weydig, H., Mir, I., Wyckoff, M., Kapadia, V., (2018) Heart Rate Evaluation and Resuscitation Trial in Preterm Neonates (HEART) - A Randomized Trial. Poster presentation: PAS 2018 in Toronto, Canada.



Bandi Mahaffey, M.D. (2015-2018)

Education:

Medical:

2008-2012 University of Oklahoma College of Medicine

Post Graduate:

2012-2015 Vanderbilt University Program Nashville, TN,
Residency Pediatrics

Research:

Topic: Language development in Preterm Infants with Feeding Difficulties

Mentor: Roy Heyne, MD

Honors/Awards:

2004-2005	College of Engineering, Architecture, and Technology (CEAT) Scholars Program
2004-2008	Oklahoma State Regents for Higher Education Scholarship and Tuition Waiver
2004-2008	President's Distinguished Scholarship
2004-2008	President's Honor Roll
2006-2008	Alpha Omega Alpha Medical Honor Society
2008	General Honors Award-OSU Honors College
2008-2009	Birthday Club Medical Scholarship
2009-2010	Marcella H. Brown Medical Scholarship
2010-2015	Freda Sornsen Plummer Medical Scholarship
2011	Commencement Usher, honor given to the top quartile of the Class of 2012
2012	Phi Kappa Phi Honor Society



Lara Pavageau, M.D. (2015-2018)

Education:

Medical:

1995-2001 Universidad Autónoma de Guadalajara Facultad de Medicina, Mexico

Post Graduate:

2005-2006 Pontifica Universidade Catolica Sao Paulo Sorocaba, SP, Brazil
Fellowship, Pediatrics

Research:

Topic: Neurologic examination of moderate preterm infants with hypoxic ischemic encephalopathy
Mentor: Lina Chalak, MD

Honors/Awards:

- 2001 Best Student Award during fourth semester of Medical School - This award was given twice a year to the student with the highest GPA.
- 2005-Present Member of Brazilian Pediatric
- 2018 Travel Award recipient for poster presentation titled, "Consensus Guidelines for Patent Ductus Arteriosus (PDA) Management Decreases Need for Treatment: A 15 year Experience" from Celebration of Women in Science and Medicine at UTSW

Presentations and abstracts:

Santana, C; Oshiro, C; Pereira, J; Oliveira, E; Vieira, M.; **Pavageau, L.** (2006). Sirenomeglia (Baby Mermaid): Case Report Poster presented at: SUMEP (Sociedade Universitaria Medica de Estimulo a Pesquisa); Sorocaba, BRA .

Pavageau, L., Brown, LS, Chalak, LF. "Can the neurological exam forms designed to screen for neuroprotective therapies in term infants be used in preterm infants born 32 to 35 weeks gestation? A Validation Study", Poster Presentation at Senior Fellows Day, UT Southwestern Medical Center, Dallas, TX May 22, 2018

Pavageau, L., Brown, LS, Chalak, LF. "Can the neurological exam forms designed to screen for neuroprotective therapies in term infants be used in preterm infants born 32 to 35 weeks gestation? A Validation Study", Poster Presentation at PAS, Toronto, Canada, May 2018

Reto, P., **Pavageau, L.**, Kakkilaya, V., Evans, A. “Congenital Toxoplasmosis in a Premature Infant, Associated with Maternal Ingestion of Deer Meat”, Poster Presentation at the Pediatric Infectious Diseases Society Conference, St. Jude Children Hospital, Memphis, TN, March 9, 2018

Pavageau, L., Brion, LP, Rosenfeld, CR., Brown, LS, Jaleel, MA. “Consensus Guidelines for Patent Ductus Arteriosus (PDA) Management Decreases Need for Treatment: A 15 year Experience”, Oral Presentation at SSPR, New Orleans, LA, February 24, 2018

Pavageau, L., Brion, LP, Rosenfeld, CR., Brown, LS, Jaleel, MA. “Consensus Guidelines for Patent Ductus Arteriosus (PDA) Management Decreases Need for Treatment: A 15 year Experience”, Poster Presentation at the Celebration of Women in Science and Medicine at UT Southwestern, Dallas, TX, February 7, 2018

Publications:

Pavageau, L., Whitham, J., Rosenfeld, CR., Heyne, R., Brown, LS, Brion, LP. “Valid Serial Length Measurements in Preterm Infants Permit Early Identification and Treatment of Abnormalities of Weight-for-Length Growth With Dietary Correction” Journal of Perinatology, in press

Shankaran, S., Bell, E., Laptook, AR., Saha, S., Newman, NS., Kazzi, NJ., Barks, J., Stoll, BJ., Bara, R., Gabrio, J., Childs, K., Das, A., Higgins, RD., Carlo, WA., Sanchez, PJ., Carlton, DP., **Pavageau, L.**, Cotton, M., D’Angio, CT., Watterberg, KL., Poindexter, BB., Sokol, GM., Van Meurs, KP., Colaizy, TT., Khmour, A., Schmidt, B., Devaskar, U., Walsh, MC. “Weaning of Moderately Preterm Infants from the Incubator to the Crib: A Randomized Clinical Trial” submitted for publication (under revision) to Journal of Pediatrics May 24, 2018

Ibrahim, J., **Pavageau, L.**, Miller, J., Timmons, C., Wickiser, J., Piper, H., Dariya, V., Brion, LP. A Large Prenatally Undiagnosed Mass in a Preterm Infant, What Could It Be? NeoReviews 2018;19:e413; www.neoreviews.aappublications.org/content/19/7/e413



Natalia Vasco Abbey, M.D. (2014-2017)

Education:

Medical:

2008-2012 University of Texas Medical School at Houston, United States

Post Graduate:

2012-2015 UT Southwestern/Children's Medical Center Dallas, TX, Residency, Pediatrics

Research:

Topic: Use of EKG in the delivery room during resuscitation
Mentor: Vishal Kapadia, MD

Honors/Awards:

2004 Ford Spirit of Accomplishment Award
2004 Royce Builders Foundation for Youth Scholarship
2004 Houston Livestock Show and Rodeo Scholarship
2004 RICE-TMS Scholars Award
2008 NASA Texas Space Grant Columbia Crew Memorial Scholar

Grants:

2008 National Institute of Diabetes and Digestive and Kidney Diseases Research Grant

Presentations/Abstracts:

Abbey, N., Mashruwala, V., Ramon, E., Ibrahim, J., Weydig, H., Mir, I., Wyckoff, M., Kapadia, V., Heart Rate Evaluation and Resuscitation Trial in Preterm Neonates (HEART) – A Randomized Trial.” Pediatric Academic Society Annual Meeting, May 2018, Toronto, ON, Canada

Peer Reviewed Journal Articles

Allison DD, **Vasco N,** Braun KR, Wight TN, Grande-Allen KJ. The effect of endogenous overexpression of hyaluronan synthases on material, morphological, and biochemical properties of uncross linked collagen biomaterials. *Biomaterials*. 2007, Dec; 28(36): 5509-5517. Cited in PubMed; PMID: 17869336. Pub Status: Published.



Valerie Blanco, M.D. (2014-2017)

Education:

Medical:

2007-2011 University of Texas Southwestern Medical Center at Dallas Southwestern Medical School, Dallas, TX

Post Graduate:

2011-2014 Mount Sinai School of Medicine, New York, NY
Residency, Pediatrics

Research:

Title: Effects of VLBW, Prematurity and Postnatal Growth on Blood Pressure During Preadolescence

Mentor: Charles R Rosenfeld, MD

Honors/Awards:

2002-2006	Washington University in St. Louis Dean's List
2006	Graduated Cum Laude from Washington University in St. Louis
2007-2011	UT Southwestern Alumni Scholarship
2008	National Institute of Diabetes and Digestive and Kidney Diseases Research Grant
2010	International Service Learning Stipend

Grants:

2008 National Institute of Diabetes and Digestive and Kidney Diseases Research Grant

Research:

Title: Effects of VLBW, Prematurity and Postnatal Growth on Blood Pressure During Preadolescence

Mentor: Charles R Rosenfeld, MD

Publications:

Peer Reviewed Journal Articles/Abstracts

Coplen DE, Austin PF, Yan Y, **Blanco VM,** Dicke JM. The magnitude of fetal renal pelvic dilatation can identify obstructive postnatal hydronephrosis, and direct postnatal evaluation and management. *J Urol*. 2006 Aug; 176(2): 724-727. PMID: 16813930.

Dicke JM, **Blanco VM,** Yan Y, Coplen DE. The type and frequency of fetal renal disorders and management of renal pelvis dilatation. *J Ultrasound Med*. 2006 Aug; 25(8): 973-977. PMID: 16870890.

Blanco VM, Blalock SE, Ramaciotti C, Lemler MS, Heistein LC, Moore JK, Ikemba CM. Oxygen supplementation is helpful for the echocardiographic detection of anomalous left coronary artery from the pulmonary artery. *J Am Soc Echocardiogr*. 2010 Oct; 23(10): 1099-1102. PMID: 20727710.

Weintraub AS, **Blanco V,** Barnes M, Green RS. Impact of renal function and protein intake on blood urea nitrogen in preterm infants in the first 3 weeks of life. *J Perinatol*. 2014 Jul 31. PMID: 25078864

Weintraub AS, Carey A, Connors J, **Blanco V**, Green RS. Relationship of maternal creatinine to first neonatal creatinine in infants <30 weeks gestation. *J Perinatol*. 2015 Jun;35(6):401-4. doi: 10.1038/jp.2014.232. PMID: 25590221

Weintraub AS, Connors J, Carey A, **Blanco V**, Green RS (2015) The spectrum of onset of acute kidney injury in premature infants less than 30 weeks gestation. *J Perinatol* (in press).

Blanco, V., Renfro, S., Martinez A., Metoyer G., Brown C., Wharton., Kakkilaya V., "Decreasing Nasal Breakdown in Infants Receiving Nasal Continuous Positive Airway Pressure (nCPAP). (pending).

Oral Presentations:

Blanco V, Barnes A, Eapen R, Heistein L, Lemler M, Ramaciotti C, Ikemba C. *Does a prenatal diagnosis of congenital heart disease affect parental attachment and anxiety?*. Poster presented at: 46th Medical Student Research Forum; Dallas, TX. January 2008

Blanco V, Ramaciotti C, Lemler M, Eapen R, Heistein H, Barnes A, Ikemba C. *Oxygen supplementation in echocardiographic detection of anomalous left coronary artery from the pulmonary artery*. Poster presented at: 47th Medical Student Research Forum; Dallas, TX. January 2009

Blanco V, "Whom Ought We Deem to Be Dead?" The Never-Ending Dilemma About When to Diagnose Death. Poster Symposium presentation at Pediatric Academic Societies Annual Meeting, Baltimore Maryland, May 3, 2016



Ihab Jubran, M.S.D. (2014-2017)

Education:

Medical:

1994-2002 University of Damascus, Syrian Arab Republic

Post Graduate:

2003-2006 University of South Alabama, Mobile, AL
Residency, Pediatrics

Research:

Title: Determination of RHAMM (Receptor for HA-Mediated Motility, CD 168) expression in cells obtained from the tracheal aspirates of premature infants 24-34 weeks gestation as a biomarker for the development of adverse outcome (death or BPD at 36 weeks PMA).

Mentor: Rashmin C Savani, MBChB

Honors/Awards:

2007	Best New Attending Award
2008 & 2012	The Best Attending Award
2008, 2009, 2010 & 2012	Best Teacher Award
2009, 2010, 2011 & 2012	Best Resident Advocate Award
2010, 2011 & 2012	Red Sash –Graduating Class Ceremony
2011	The Gold Humanism Honor Society
2011 & 2012	Most Dedicated Attending Award

Presentations and abstracts

Jubran, I and Cauley, T. *An Unusual Presentation of Cholecystitis*. Poster presented at: Southern Pediatric Regional Meeting.; New Orleans, LA. January 2009

Seston, Tyler D., **Jubran, Ihab**. *The Role of Hyperbaric Oxygen Therapy in Resistent Osteomyelitis*. Poster presented at: Southern Regional Pediatric Meeting; New Orleans, LA. February 2013

Subedi, Luchan., **Jubran, Ihab**. *An Unusual Presentation of HSP*. Poster presented at: Southern Pediatric Society Meeting; New Orleans, LA. February 20



Dharmendra Kumar, M.B., B.S. (2014-2017)

Education:

Medical:

2000-2006 Grant Medical College, India

Post Graduate:

2011-2014 SUNY Downstate Medical Center, New York, NY
Residency, Pediatrics

Research:

Title: Effect of Prolonged Versus Short Course Antibiotics on the Gut Microbiota and Susceptibility to NEC in Neonatal Mice

Mentor: Julie Mirpuri, MD

Publications

Peer Reviewed Journal Articles

D'Souza A, Cai CL, **Kumar D**, Cai F, Fordjour L, Ahmad A,. Cytokines and Toll-like receptor signaling pathways in the terminal ileum of hypoxic/hyperoxic neonatal rats: benefits of probiotics supplementation. *American Journal of Translational Research*. 4(2): 187-97. Cited in PubMed; PMID: 22611471. April 2012.

D'Souza A, Fordjour L, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. Effects of probiotics, prebiotics, and synbiotics on messenger RNA expression of caveolin-1, nitric oxide synthase, and genes regulating oxidative stress in the terminal ileum of formula-fed neonatal rats.. *Pediatric research*; 67(5): 526-31. Cited in PubMed; PMID: 20101198. May 2010.

Fordjour L, D'Souza A, Cai C, Ahmad A, Valencia G, **Kumar D**, Aranda JV, Beharry KD. Comparative effects of probiotics, prebiotics and synbiotics on growth factors in the large bowel in a rat model of formula induced bowel inflammation. *Journal of Pediatric Gastroenterology & Nutrition*. 51(4): 507-13. Cited in PubMed; PMID: 20683203. October 2010.

Keenaghan M; Cai CL; **Kumar D**; Valencia GB; Rao M; Aranda JV, Beharry KD. Response of vascular endothelial growth factor and angiogenesis-related genes to stepwise increases in inspired oxygen in the neonatal rat lungs. *PEDIATRIC RESEARCH*; Pub Status: In-Press. January 2013.

Poster Presentations

Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. *Effect of Caffeine on Lung Angiogenesis in Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 3826.211; Denver, CO. May 2011.

Ahmad A, Cai C, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. *Prolonged Maternal Separation Exaggerates Pulmonary Vascular Endothelial Growth Factor Response to Hyperoxia*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

Ahmad A, Cai C, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. *Effects of Early Versus Late Antenatal Betamethasone on Pulmonary Vascular Endothelial Growth Factor Levels in Normoxic and Hyperoxic Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

Cai C, Ahmad A, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD.

Probiotics, Prebiotics and Synbiotics on Natriuretic Peptides in Formula-Fed Neonatal Rats Exposed to Hyperoxia with Brief Hypoxia. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

Cai C, Ahmad A, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. *Cardiac Natriuretic Peptides and Angiogenesis Gene Profile in Neonatal Rats Treated With Early Postnatal Furosemide and/or NSAIDs.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

Cai C, Ahmad A, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. *Impact of Antenatal Betamethasone on Corticosterone, 8-isoprostane, and Natriuretic Peptides in the Newborn and Suckling Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

Chorny N, Sharma J, Tawadrous H, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. *Ontogeny of Arachidonic Acid Metabolites and Gene Expression of Cytochrome P450 Enzymes in Kidneys of Suckling and Weanling Neonatal Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. April 2010.

Chorny N, Sharma J, Tawadrous H, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. *Influence of Indomethacin, Ibuprofen, and/or Furosemide on Aquaporin Gene Family in Kidneys of Neonatal Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada. May 2010.

D'Souza A, Fordjour L, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. (2010, May). *Probiotics Supplementation Reduces Inflammation and Oxidative Stress in Formula-Fed Neonatal Rats Exposed to Hyperoxia with Hypoxia Cycling.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

D'Souza A, Fordjour L, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. (2010, May). *Effects of Hyperoxia with Brief Hypoxia on Nitric Oxide Signaling, Caveolin-1, and Oxidative Stress in the Terminal Ileum of Formula-Fed Neonatal Rats Supplemented with Probiotics, Prebiotics and Synbiotics.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

D'Souza A, Cai CL, **Kumar D**, Bronshtein M, Bronshtein V, Valencia G, Aranda JV, Beharry KD. (2011, May). *Dose-Dependent Protective Effect of Caffeine on Vasoactive Mediators in Neonatal Rat Gut exposed to hypoxia/hyperoxia.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 3826.293.; Denver, CO. 32.

D'Souza A, Cai CL, **Kumar D**, Keenaghan M, Valencia G, Aranda JV, Beharry KD.. (2011, May). *Effect of incremental oxygen exposure on Vasoactive Mediators in Neonatal Rat Gut.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 3826.294.; Denver, CO.

Fordjour L, Cai CL, **Kumar D**, Valencia GB, Aranda JV, Beharry KD. (2010, May). *PGE2, eNOS and Genes Regulating Onset, Development, and Progression of Diabetes in the Large Bowels of the Fetus and Pre-Adolescent Offspring of Diabetic Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 3809.55; Denver, CO.

Fordjour L, Cai CL, **Kumar D**, Valencia GB, Aranda JV, Beharry KD. (2011, May). *Regulators of Angiogenesis in the Large Bowels of the Fetus and Pre-Adolescent Offspring of Diabetic Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Denver, CO.

Fordjour L, D'Souza A, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. (2010, May). *Growth Factors in the Large Bowel of Formula-Fed Neonatal Rats Exposed to Hyperoxia with Hypoxia.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Fordjour L, Ahmad A, Cai C, **Kumar D**, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Antenatal Betamethasone Stimulates Growth Hormone Binding Protein in the Large Intestines of Neonatal Rats.* Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Fordjour L, D'Souza A, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. (2010, May). *Hepatic Growth Hormone/Insulin-Like Growth Factor Axis in Formula-Fed Hyperoxic-Hypoxic Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Fordjour L, D'Souza A, Ahmad A, Cai C, **Kumar D**, Valencia G, Aranda JV, Beharry KD. (2010, May). *Administration of Indomethacin and Furosemide Influences Growth Factors in the Large Bowels of Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Ibrahim ZH, Cai C, **Kumar D**, Bronshtein V, D'Souza A, Bronshtein M, Valencia G, Aranda JV, Beharry KD. (2011, May). *Antenatal Betamethasone Effects on Angiogenesis Regulators in Lungs from Fetal and Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 3826.218; Denver, CO

Kumar D, Ahmad A, Cai C, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Early Versus Late Antenatal Betamethasone Effects on Postnatal Weight and Hepatic Growth Hormone, Growth Hormone Binding Protein and Drug Metabolizing Enzymes in Normoxic and Hyperoxic Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Kumar D, Ahmad A, Cai C, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Effects of Probiotics, Prebiotics and Synbiotics on Growth Hormone, Insulin-Like Growth Factor, and Drug Metabolizing Enzymes in the Liver of Neonatal Rats Exposed to Hyperoxia with Brief Hypoxia*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Sharma J, Tawadrous H, Chorny N, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Renal Eicosanoid Synthesis in Formula-Fed Rats Exposed to Hyperoxia with Brief Hypoxia*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Sharma J, Tawadrous H, Chorny N, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Early vs. Late Antenatal Betamethasone Effects on Renal Eicosanoids in the Newborn and Suckling Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada

Tanya P, Ahmad A, Cai C, **Kumar D**, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Comparative Effects of Early Versus Late Antenatal Betamethasone on Lung Matrix Metalloproteinases in Normoxic and Hypoxic Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Tawadrous H, Sharma J, Chorny N, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Single Versus Multiple Doses of Early Postnatal Indomethacin with Furosemide Treatment on Renal Eicosanoids and Drug Metabolizing Enzymes in Neonatal Rats*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Tawadrous H, Sharma J, Chorny N, Cai C, **Kumar D**, Schoeneman M, Mongia A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Ontogeny of Aquaporin Genes in Newborn, Suckling and Weanling Rat Kidneys*. Poster presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Oral Presentations

Aranda JV, Cai C, **Kumar D**, Ahmad A, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Biphasic Effects of Low and High Doses of Caffeine Citrate on Systemic and Ocular VEGF, sVEGFR-1, IGF-1 in a Rat Model of Oxygen-Induced Retinopathy (OIR)*. Oral Presentation presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Aranda JV, Cai C, **Kumar D**, Ahmad A, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010, May). *Gender Dependent Effects of Caffeinated Sonic Hedge-Hog in a Rat Model for Oxygen-Induced Retinopathy*. Oral Presentation presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Aranda JV, Cai C, **Kumar D**, Ahmad A, Fordjour L, D'Souza A, Valencia G, Aranda JV, Beharry KD. (2010,

May). *Effect of Caffeine on Ocular Matrix Metalloproteinases in a Rat Model for Oxygen-Induced Retinopathy*. Oral Presentation presented at: Annual American Pediatric Society-Society for Pediatric Research meeting; Vancouver, Canada.

Aranda JV, Cai C, **Kumar D**, Ahmad A, Fordjour L, D'Souza A, Valencia G, Beharry KD. (2011, May). *Low and High Dose Caffeine Citrate on Ocular Angiogenic gene expression during vaso-obliterative phase in a Rat Model of Oxygen- Induced Retinopathy (OIR)*. Oral Presentation presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 4755.2.; Denver, CO.

Lahage N, Cai C, **Kumar D**, Bronshtein V, Bronshtein M, D'Souza A, Ibrahim Z, Valencia G, Aranda JV, Beharry KD. (2011, May). *Hydrocortisone Effects on Retinal Angiogenesis in a Rat Model of Oxygen-Induced Retinopathy (OIR)*. Oral Presentation presented at: Annual American Pediatric Society-Society for Pediatric Research meeting, Publication 4755.6.; Denver, CO.



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Medical:

2007-2011 University of Texas Medical School at Houston, Houston, TX

Post Graduate:

2011-2014 University of Texas Southwestern, Dallas, TX
Residency, Pediatrics

Research:

Title: Early-onset neonatal hypoglycemia

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Honors/Awards:

2003-2007	Gamma Beta Phi National Honor Society, University of Texas at Austin
2003-2007	Gamma Sigma Alpha Greek Honor Society, University of Texas at Austin
2003-2007	Alpha Phi Sigma, Premedical Honor Society, University of Texas at Austin
2003-2007	Dean's List (All 4 years), University of Texas at Austin
2003-2007	Above and Beyond Award (3 times), Pediatric Residency Program, CMC, Dallas, TX
2003-2007	Team Championship for Residency Jeopardy, Texas Pediatric Society Annual Conference, Dallas, TX
2011-2013	
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Publications

Scheid LM, Joseph C, Sutton L, Baum M. A 17-year-old male with nephritic syndrome and adenopathy: Questions & Answers. *Pediatric Nephrology* 2012 Oct;27(10):1889-90, 1891-3.

Oral Presentation

Scheid, LM. *Nephrotic Syndrome due to Secondary Syphilis*. Oral Presentation presented at: Case Conference, Children's Medical Center; Dallas, TX. Scheid, LM., Chin M. (2009, August). Arachnoid cyst causing aqueductal stenosis. Oral Presentation presented at: Pediatric Nephrology Grand Rounds - University of Texas Medical School at Houston; Dallas, TX. October 2012

Scheid, LM. *Are Data Extracted from the Electronic Medical Record Valid for Research Purposes?* Oral Presentation presented at Southern Regional Meeting- Intercontinental New Orleans in New Orleans, Louisiana; February 13, 2017.

Scheid, LM. *Are Data Extracted from the Electronic Medical Record Valid for Research Purposes?* Oral Presentation presented at Pediatric Academic Society, San Francisco, CA; May 7, 2017

