

LaKeitha Rena Foster, M.D. (Third Year Fellow)



Licensure

2005 Texas State Board of Medical Examiners

Education

Medical: Meharry Medical College MD
2003 Nashville, Tennessee
Doctorate of Medicine (Honors)

Post Graduate:

2003 – 2006 University of Texas-Southwestern Medical Center Internship &
General Pediatrics Residency
2006 - Present University of Texas-Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards

1993 – 1997 **Dean's List**, Southern University
1996 Beta Beta Beta Biological Honors Society
1996 Beta Kappa Chi Biological Honors Society
1999 **Recipient**, Cal Turner, Jr. Endowed Scholarship Fund
1999 **Recipient**, William T. Durham Memorial Scholarship Award
1999 – 2003 **Dean's List**, Meharry Medical College
2001 **Recipient**, Flotilla Watkins, MD Endowed Scholarship Fund
2001 **Nomination**, All-American Scholar Award
2006 Research Award, UT-Southwestern Senior Pediatrics Dinner
2008 **President's Presenters Award**, Society for Gynecologic Investigation, Sponsored by Wyeth, for the abstract entitled "Maternal Progesterone Treatment Retards Labor in Mice by Antagonizing Inflammatory Response Pathways and SP-A Secretion by the Fetal Lung." Oral Presentation at the Society for Gynecologic Investigation 55th Annual Scientific Meeting.

Research

- Title: "Progesterone receptors during parturition"
Mentor: Carole Mendelson, MD, University of Texas-Southwestern, Department of Biochemistry

Publications

Grau AM, Ata A, **Foster L**, Ahmed NU, Reasoner D, Yu Shyr G, Stain SC, Pearson AS. Effect of race on long-term survival of breast cancer patients: transinstitutional analysis from an inner city hospital and university medical center. *Am Surg*;71:164-70, 2005

Abstracts

Foster L, Anderson J. The Inter-Rater Reliability of Apgar Scores at One and Five Minutes. Presentation at SSPR, Atlanta, Georgia, March 2005, and at Pediatric Academic Societies Meeting. Toronto, Canada, May 2007

Foster L, Mendelson C. Maternal Progesterone Treatment Retards Labor in Mice by Antagonizing Inflammatory Response Pathways and SP-A Secretion by the Fetal Lung. Oral Presentation at the Society for Gynecologic Investigation 55th Annual Scientific Meeting, 2008.

Foster L, Mendelson C. Maternal Progesterone Treatment Inhibits Fetal Lung SP-A Expression and Antagonizes Inflammatory Response Pathways Associated with Delayed Labor. Poster presentation at PAS-SPR, Honolulu, Hawaii, 5/03/08

Foster L, Mendelson C. Maternal Progesterone Treatment Inhibits Fetal Lung SP-A Expression and Antagonizes Inflammatory Response Pathways Associated with Delayed Labor. Presentation at Fifteenth Annual South Central Conference on Perinatal Research, Mead Johnson Nutritionals, Austin, TX, 10/21-23/08

Liaqat Hayat Khan, M.D. (Third Year Fellow)



Licensure

2003 – 2006 Pennsylvania Medical License
2006 – Present Texas Physician in Training Permit

Certification

2003 Educational Commission for Foreign Medical Graduates

Education

Medical:

1995 - 2000 The Aga Khan University Medical College, Karachi, MD
Pakistan Bachelor of Medicine, Bachelor of Surgery

Postgraduate:

2003 - 2006 Penn State Children's Hospital & The Milton S. Hershey Medical Center, The Penn State University - College of Medicine, Hershey, Pennsylvania
General Pediatrics Internship & Residency

2006 - Present University of Texas Southwestern Medical Center
Neonatal/Perinatal Medicine Fellowship

Honors/Awards

2008 AAP Trainee Travel Award, AAP National Conference & Exhibition, Boston, MA

Research

- Title: Changes in potassium channel expression and their distribution in the uteroplacental vasculature during ovine pregnancy
- Mentor: Charles Rosenfeld, MD

Abstracts

Khan L, Rosenfeld CR. Uterine artery (UA) expression OF Ca⁺⁺-activated K⁺ Channels (BK_{Ca}) and the cGMP-dependent pathway are increased during the ovine estrus cycle. Poster presentation at AAP Meeting, Boston, MA, 10/10/08

David Lam, M.D. (Third Year Fellow)



Licensure

2006 Texas State of Medical Board Examiners

Education

Medical:

1999 – 2003 University of Arkansas for Medical Sciences, Little Rock, Arkansas MD

Postgraduate:

2003 – 2006	Arkansas Children's Hospital/University of Arkansas General Pediatrics	Internship & Residency
2006 – Present	University of Texas Southwestern Medical Center Neonatal/Perinatal Medicine	Fellowship

Honors/Awards

2000 – 2003	University of Arkansas' Honors Program
2003	Phi Beta Kappa National Honor Society
2003 – 2006	UAMS Chairman's Scholar Program in Pediatrics

Research

- Title: Toll-like Receptor 2, TGF β and the Regulation of Inflammation
- Mentor: Rashmin Savani, MBChB

Abstracts

Lam D, Jiang H, Savani RC. Toll-Like Receptor 2 (TLR2) Ligation Results in Increased TGF and Stimulates Macrophage Migration Using Hyaluronan and Its Receptor RHAMM. Poster presentation at PAS-SPR, Honolulu, Hawaii, 5/06/08

Lam D, Jiang H, Savani RC. Toll-Like Receptor 2 (TLR2) Ligation Results in Increased TGF and Stimulates Macrophage Migration Using Hyaluronan and Its Receptor RHAMM. Poster presentation at Fifteenth Annual South Central Conference on Perinatal Research, Mead Johnson Nutritionals, Austin, TX, 10/21-23/08

Katherine (Katie) Marie Bennett, M.D. (Second Year Fellow)



Licensure:

2007 Texas Physician in Training Permit

Education:

Medical:

2000—2004 University of Texas Southwestern Medical Center, MD
Dallas, Texas

Post Graduate:

2004—2007 University of Colorado Health Sciences Center, Internship &
Denver, Colorado, General Pediatrics Residency
2007 - Present University of Texas-Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards:

1996 National Merit Scholarship Finalist
1996—2000 National Scholarship Recipient from Royal Neighbors of America
1996—2000 Dean's Honor List, University of Texas at Austin
1997—2000 Alpha Epsilon Delta, pre-med honors society
1997 Alpha Lambda Delta, freshman honors society
1997 Phi Eta Sigman, freshman honors society
1997—1998 Phi Beta Kinsolving, residence hall honors society
2000 Phi Beta Kappa
2004 Alpha Omega Alpha
2004 Kurt Ian Wey Award for Pediatrics, University of Texas
Southwestern Medical Center

Research

- Title: Ephrin B2 and Eph B4 receptors and their role in lung development
- Mentor: Margaret Schwarz, MD

Abstracts

Bennett K, Dravis C, Henkemeyer M, Schwarz M. Inhibition of Ephrin B2 reverse signaling alters distal alveolar morphogenesis. Presentation at Fifteenth Annual South Central Conference on Perinatal Research, Mead Johnson Nutritionals, Austin, TX, 10/21-23/08

Lilian Teng St.John, M.D (Second Year Fellow)



Licensure:

2005 Texas State Board of Medical Examiners

Education:

Medical:

2000-2004 University of Texas Southwestern Medical School, MD
Dallas, Texas

Post Graduate:

2004 – 2007 University of Texas-Southwestern Medical Center Internship &
General Pediatrics Residency
2007 - Present University of Texas-Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards:

1994-1996 Dean's Honor List for College of Business Administration
University of Texas at Austin
1996-1998 Dean's Honor List for College of Natural Science
University of Texas at Austin

Research

Title: "Effectiveness of Plastic Head Covering for Hypothermia Prevention in
Premature Newborns"

Mentor: Myra H. Wyckoff, M.D.

Abstracts

St.John L, Wyckoff M. Risk Factors for the Development of Hypothermia in Preterm Neonates. Presentation at AAP Meeting, Boston, MA, 10/1008

St.John L, **Wyckoff M.** Risk Factors for the Development of Hypothermia in Preterm Neonates. Presentation at Fifteenth Annual South Central Conference on Perinatal Research, Mead Johnson Nutritionals, Austin, TX, 10/21-23/08

Nathan Cole Sundgren, M.D., Ph.D. (Second Year Fellow)



Licensure:

2007 Texas State Board of Medical Examiners

Education:

Medical:

1997 – 2005 Oregon Health & Science University School of Medicine, Portland, Oregon. MD, PhD

Post Graduate:

2005 – 2007 University of Texas-Southwestern Medical Center Internship & Residency
General Pediatrics
2007 - Present University of Texas-Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards:

1995 Murdock Student Research Scholar, Heart Research Center, Oregon Health & Science University
1996 Outstanding Graduate in Biology, George Fox University
2003 President's Presenter Award (for outstanding abstract effectively furthering the objectives of the Society), Society for Gynecologic Investigation
2004 Journal Cover Article: *Am J Physiol Regul Integr Comp Physiol*, January–June

Research

Title: Fc gamma receptor I signaling in CRP induced Hypertension
Mentor: Philip Shaul, MD

Grants

2002-2003 American Heart Association Pre-Doctoral Fellowship. How Does IGF-1 affect Fetal Heart Growth? Grant 0215264Z

2008-2011 Physician Scientist Training Program, UTSW

Publications

Peer-reviewed Articles:

Sundgren NC, Giraud GD, Schultz JM, Lasarev MR, Stork PJS, Thornburg KL. Extracellular signal-regulated kinase and phosphoinositol-3 kinase mediate IGF-1 induced proliferation of fetal sheep cardiomyocytes. *Am J Physiol Regul Integr Comp Physiol* 285: R1481-R1489, 2003 (**Cover Article** of January-June, 2004, of print journal)

Sundgren NC, Giraud GD, Stork PJ, Maylie JG and Thornburg KL. Angiotensin II stimulates hyperplasia but not hypertrophy in immature ovine cardiomyocytes. *J Physiol* 548: 881-891, 2003.

Habecker BA, Klein KG, **Sundgren NC**, Li W, Woodward WR. Developmental regulation of neurotransmitter phenotype through tetrahydrobiopterin. *The Journal of Neuroscience* 22(21): 9445-9452, 2002.

Invited:

Thornburg, KL and **Sundgren, NC**. Cell stretch may be necessary for normal development. Invited commentary. *Pediatric Research* 50(1), 2001

Abstracts

Thornburg, K, Louey, S, Chattergoon, N, O'Tierney, P, **Sundgren N**, Jonker S, Giraud, G. Pro- and anti- proliferation in immature cardiac myocytes: Who Wins? *Western Pharmacology Society – 51st Annual Meeting*. January 2008

Sundgren NC, Giraud GD, and Thornburg KL. Insulin-like growth factor-1 downregulates the intra-renal renin-angiotensin system in fetal sheep. *FASEB Conference – molecular and cellular signaling in the perinatal cardiovascular system*. August 2004.

Giraud GD, Karamlou K, **Sundgren NC**, Jonker SJ, Ungerleider R, and Thornburg KL. Cardiac myocyte development from fetus to the newborn, functional and signaling changes. *FASEB Conference – molecular and cellular signaling in the perinatal cardiovascular system*. August 2004.

Sundgren NC, Giraud GD, Jonker SJ, Schultz J, Stork PJ, Maylie JG, Thornburg KL. IGF-1 causes a proliferation, but not hypertrophy, of fetal sheep cardiomyocytes *in vivo* and *in vitro*. *Experimental Biology FASEB Conference*, April 2003.

Sundgren NC, Giraud GD, Stork PJ, Thornburg KL. Differential roles of Angiotensin II and Phenylephrine in Cultured Fetal Sheep Cardiomyocytes. *Society for Gynecologic Investigation*, March 2003. (**President's Presenter Award**)

B. Habecker, M. Klein, **N. Sundgren**, and W. Woodward. Target Suppression of a Tyrosine Hydroxylase Cofactor in TH-Containing Cholinergic Sympathetic Neurons. *Soc. Neurosci. Abst.* 2000.

Habecker, B. A., Klein, M., Luo, Z., and **Sundgren, N**. Regulation of catecholamine content in TH-immunoreactive cholinergic sympathetic neurons. *Catecholamine Gordon Conference*, Queen's College, Oxford, UK. 1999

Maria del Mar (Mari) Afanador, M.D. (First Year Fellow)



Licensure

2007 Texas State Board of Medical Examiners

Education

Medical:

2001-05 University of South Florida College of Medicine MD

Postgraduate:

2005-08 University of South Florida, General Pediatrics Internship & Residency

Honors/Awards

2007-2008 USF Pediatric Resident Teacher of the Year Award for Outstanding Medical Student Teaching

2005 Gold Humanism Honor Society, Barnes Behnke Chapter, University of South Florida

2001 Summa cum Laude, Rollins College
Honors in Biology Major, Rollins College
Archibald Granville Bush Award for Excellence in Biology

1997-01 Honors Degree Program, Rollins College

1997 Phi Eta Sigma Freshman Honor Society

Publications

A. Bagg, C. Edwards, M. Afanador, P. Altus. Kikuchi-Fujimoto Disease Masquerading as a Complication from a Periodontal Abscess. *Infectious Diseases in Clinical Practice*. 2006; 14(2): 114-115.

Abstracts

T. Havranek, T. L. Ashmeade, M. Afanador, J.D. Carver. The Effect of Maternal Magnesium Sulfate Administration on Intestinal Blood Flow in Preterm Neonates. **PAS-SPR, Honolulu, Hawaii, 5/04/08.**

Tara Lynn DuPont, M.D. (First Year Fellow)



Licensure

2007 Texas State Board of Medical Examiners

Education

Medical:

2000-2005 University of Texas Health Science Center Houston MD

Postgraduate:

2005-08 University of Texas Southwestern Medical Center Internship & Residency
General Pediatrics

Honors/Awards

1997-99 All American Big West Conference
1996-97 Crimson Scholar
1999 Dean's Honors
1998-99 NMSU Athletic Academic Honors
1998-99 Golden Key National Honor Society

Research

Title: "Systemic Hypothermia for Hypoxic-Ischemic Encephalopathy: MRI Findings and Outcome"

Mentor: Pablo Sanchez, M.D.

Natalie Williford Frost, M.D. (First Year Fellow)



Licensure:

2007	Texas State Board of Medical Examiners
2007	Tennessee State Board of Medical Examiners
2007	American Board of Pediatrics

Education:

Medical:

2000-04	University of Texas Southwestern Medical School, Dallas, Texas	MD
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Postgraduate:

2004-07	Vanderbilt Children's Hospital, Vanderbilt University Medical Center, General Pediatrics	Internship & Residency
2007-08	Pediatric Hospital Physicians of North Texas, PA	Pediatric Hospitalist

Honors/Awards

1998	Winnie K. and D.M. Wiggins Medal for excellence in character, personal development, and academic achievement, Hardin-Simmons University
1998	Summa Cum Laude, Bachelor of Science, Hardin-Simmons University
1996-1998	Alpha Chi Honor Society
1996- 1998	Beta Beta Beta Biology Honor Society
1996-1998	Gamma Beta Phi Honor Society
1996-1998	Kappa Mu Epsilon Mathematics Honor Society
1995-1998	President's List
1995-1998	Dean's List
1996	Freshman Chemistry Award
1996	Freshman Mathematics Award

Vishal Subodhbhai Kapadia, M.D. (First Year Fellow)



Licensure

2007	Texas Physician in Training Permit
2007	Illinois License

Certification

2005	Educational Commission for Foreign Medical Graduates
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Education

Medical:

1995-2001	Smt. N.H.L. Municipal Medical College, India	MD
Postgraduate: 2001-04	Smt. N.H.L. Municipal Medical College, India, General Pediatrics	Residency
2006-08	University of Illinois at Chicago, General Pediatrics	Residency

Honors/Awards

2003	First Prize for presentation of "Study of Health & its Awareness in Late Adolescents" at 28 th Annual Conference, Indian Academy of Pediatrics
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John Eric Sparks, M.D. (First Year Fellow)



Licensure

2008 Texas Physician in Training Permit

Education

Medical:

2000-05 Texas Tech University Health Sciences Center, Lubbock, TX MD

Postgraduate:

2005-08 Texas Tech University Health Sciences Center, Lubbock, TX, General Pediatrics Internship & Residency

Honors/Awards

1998-2000 Alpha Epsilon Delta Honor Society

1998-2000 Dr. William P. Ball Scholarship

1998-2000 Baylor University Presidential Scholarship

Chad Alan Barber, M.D. (2007 Graduate)



Licensure

2006 Texas State Board of Medical Examiners

Education

Medical:

1997 – 2001 University of Texas Medical Branch at Galveston, TX MD

Postgraduate:

2001 – 2004 Arkansas Children's Hospital/University of Arkansas for Medical Sciences Internship & Residency

2004 – 2007 University of Texas Southwestern Medical Center Fellowship
General Pediatrics
Neonatal/Perinatal Medicine

Honors/Awards

2003 – 2004 Debra H. Fiser, MD Award for Excellence in Critical Care
Arkansas Children's Hospital/University of Arkansas for Medical Sciences

2003 – 2004 Donald E. Hill, MD Memorial Award for Excellence in Research
Arkansas Children's Hospital/University of Arkansas for Medical Sciences

2005 AAP Trainee Travel Award, AAP National Conference & Exhibition, Washington, DC

2006 Mead Johnson Travel Award Recipient, 68th Perinatal & Developmental Medicine Symposium Aspen, CO

Research

- Title: Randomized Controlled Trial of Endotracheal versus Intravenous Administration of Epinephrine During Neonatal Cardiopulmonary Resuscitation in Asphyxiated Piglets
- Mentor: Myra Wyckoff, MD

Grants

2005 – Present **NRP Young Investigator Award.** Randomized Controlled Trial of Endotracheal versus Intravenous Administration of Epinephrine During Neonatal Cardiopulmonary Resuscitation in Asphyxiated Piglets. Research Mentor: Myra Wyckoff, MD. \$10,000.

Publications

Barber CA, Wyckoff MH. Use and Efficacy of Endotracheal Versus Intravenous Epinephrine During Neonatal Cardiopulmonary Resuscitation in the Delivery Room. *Pediatrics* 118: 1028-1034, 2006

Barber C, Karimi P, Anderson JM. Educational perspectives: Changes in the neonatal resuscitation program. *NeoReviews*, 7; e449-e453, 2006

Abstracts

Barber CA, Green JW, Just EG, Becton DL. Plasma Exchange in Children with Purpura Fulminans. Presented at Southern Society for Pediatric Research. New Orleans, LA. February 2003.

Barber CA, Sikes NC, Norton JD, Lowery CL, Kaiser JR. Effects of Mode of Delivery on Mortality and Severe Brain Injury in Extremely Low Birthweight Infants. Presented at Southern Society for Pediatric Research. New Orleans, LA. February 2004.

Barber CA, Wyckoff MH. Evaluation of Endotracheal vs. Intravenous Administration of Epinephrine During Neonatal Cardiopulmonary Resuscitation. Presented at American Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 2005

Barber CA, Shalak LF, Wyckoff MH. End-tidal CO₂ Detection of an Audible Heart-rate During Neonatal Cardiopulmonary Resuscitation Following Asystole in Piglets. Presented at Pediatric Academic Societies Meeting. San Francisco, CA, May 2006

Barber CA, Shalak LF, Wyckoff MH. End-tidal CO₂ Detection of an Audible Heart-rate During Neonatal Cardiopulmonary Resuscitation Following Asystole in Piglets. Presented at 68th Perinatal & Developmental Medicine Symposium. Aspen, CO, June 2006

Barber CA, Shalak LF, Garcia D, Wyckoff MH. Correlation of End-tidal CO₂ with Return of an Audible Heart-rate During Neonatal Cardiopulmonary Resuscitation Following Asystole in Piglets. Presented at 13th Annual South Central Conference on Perinatal Research. Austin, TX, October 2006.

Barber CA, Shalak LF, Garcia D, Wyckoff MH. Neonatal Cardiac Compressions Following Asystole from Asphyxia: Beneficial or Futile? Presentation at Pediatric Academic Societies Meeting. Toronto, Canada, May 2007

Barber CA, Wyckoff MH. Randomized Controlled Trial of Endotracheal Versus Intravenous Administration of Epinephrine During Neonatal Cardiopulmonary Resuscitation in Asphyxiated Piglets. Presentation at American Heart Association Scientific Sessions. Orlando, FL, November 2007

Barber CA, Garcia D, Wyckoff MH. Randomized Controlled Trial of Endotracheal Versus Intravenous Administration of Epinephrine During Neonatal Cardiopulmonary Resuscitation in Asphyxiated Piglets. Poster presentation at: PAS-SPR, Honolulu, Hawaii, May 2008

Arpitha Chiruvolu, M.D. (2008 Graduate)



Licensure

2007 Texas State Board of Medical Examiners

Certification

2001 Educational Commission for Foreign Medical Graduates

Education

Medical:

1992 - 1998 Osmania Medical College, Andhra Pradesh, India MD

Postgraduate

2002 – 2005 Atlantic Health System, New Jersey Internship & Residency
General Pediatrics

2005 - 2008 University of Texas Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards

1989 - 1996 State Merit Scholarship, Andhra Pradesh, India

1989 - 1996 National Merit Scholarship, India

1995 Distinction in Ophthalmology boards (stood State 2nd), NTR
University of Health Sciences, Andhra Pradesh, India

2003 - 2004 Resident teacher of the year, voted by New Jersey Medical School,
UMDNJ, New Jersey

2005 Gloria O. Schrager, M.D. award for the excellence in teaching,
Atlantic Health System, New Jersey

2005 - 2006 Teaching fellow of the year award, Dept. of Pediatrics, University of
Texas Southwestern Medical Center, Children's Medical Center

Research

- Title: Altered Calcium Homeostasis in Term Neonates: Possible Association with Gentamicin Dosing and/or dosing Interval

Mentor: Greg Jackson, MD, MBA

SOC: Gregory Jackson, M.D., M.B.A., William Engle M.D., Pablo Sanchez M.D.

Funding: Children's Medical Center Foundation (2007-08)

- Title: Serum Calcium Values in Term and Late-preterm Neonates Receiving Gentamicin
Mentor: Gregory L. Jackson, M.D., M.B.A.
- Title: Patent Ductus Arteriosus
Mentor: Mambarath Jaleel M.D.
Reviewed the literature and presented as Neonatal Critically Appraised Topic to the Division of Neonatal-Perinatal Medicine, UT Southwestern Medical Center (9/2007)

Publications

- **Chiruvolu A**, Anderson JM. A term newborn with congenital dwarfism. Neoreviews, Visual diagnosis; 7:e280, 2006
- **Chiruvolu A**, Engle WD, Sendelbach DM, Manning MD, Jackson GL. Serum Calcium Values in Term and Late-preterm Neonates Receiving Gentamicin, Pediatric Nephrology. 23; 569-74, 2008

Abstracts

- **Chiruvolu A**, Engle WD, Jackson GL. Serum Calcium Values in Term and Late-preterm Neonates Receiving Gentamicin. Submitted to AAP Meeting San Francisco, CA, October 2007

Andrea Freeman Duncan, M.D. (2008 Graduate)



Licensure

2004 Texas State Board of Medical Examiners Licensed

Education

Medical:

1998 – 2002 University of Texas Southwestern Medical School-
Dallas MD

Postgraduate:

2002 - 2005: University of Texas Southwestern Medical Center Internship &
General Pediatrics Residency

2005 – 2008 University of Texas Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

2006 – Present University of Houston MPH

Honors/Awards

1994 – 1998 University of Texas Achievement Honors Award Scholarship

1994 -1998 Baumberger Endowment Scholar

1995 – 1998 MAPS Scholar

1995 – 1998 Golden Key National Honors Society

1996 Eta Phi Beta Scholarship Recipient

1996 – 1997 Humanities Study Abroad Scholar

1997 – 1998 College Scholar

1998 Special Honors in Humanities

1999 Mayo Clinic Summer Clinical Fellowship (Mayo Rochester)

1999 – 2000 National Medical Association Scholarship

2001 Departmental Pediatric Scholarship and 1 month clerkship- Mayo
Clinic Rochester

2006 Chair, Neonatal-Perinatal Medicine Task Force on Follow-up

2006-present Member, Board of Directors for the Low Birth Weight
Development Center

2007-2008 Klaus Perinatal Research Award from the American Academy of
Pediatrics for her project entitled “Effects of very low birth weight,

2008 prematurity and postnatal growth on blood pressure during the first 3 years of life.”
Young Investigator’s Travel Awards Program

Activities:

Board Member- Low Birth Weight Development Center

Lecturer- Neonatal Nursing program, 2007:

CMC Low Birth Weight Clinic and Follow Up Care of NNICU Graduates

Member- Docs For Tots Pediatric Advocacy Group

Research

- Title: Effects of VLBW, Prematurity and Postnatal Growth on Blood Pressure During the First 3 Years of Life
- Mentors: Roy Heyne, MD and Charles Rosenfeld, MD
- Chair of the Research Advisory Committee: Roy Heyne, MD

Abstracts

Duncan AF, Morgan JS, Ahmad, N, Rosenfeld CR, Heyne RJ. Inter-rater reliability of manual blood pressure (BP) measurements in children 1-3 years of age. Presentation at AAP Meeting San Francisco, CA, October 2007.

Duncan AF, Rosenfeld CR, Morgan JS, Ahmad N, Heyne R. Systolic blood pressure (SBP) in very low birth weight infants (VLBW) exceeds a reference population in the first 3 yr of life. Poster symposium presentation at PAS-SPR, Honolulu, Hawaii, 5/04/08

Publications

Duncan A, Rosenfeld CR. Inter-rater reliability and effect of state on blood pressure measurements in infants 1-3 years of age. Pediatrics, in press

Darryl Miao, M.D. (2008 Graduate)



Licensure

2005 Texas State Board of Medical Examiners

Education

Medical:

1998 – 2002 University of Texas Southwestern Medical Center MD

Postgraduate:

2002 – 2005 University of Texas Southwestern Medical Center Internship & Residency
General Pediatrics
2005 – 2008t University of Texas Southwestern Medical Center Fellowship
Neonatal/Perinatal Medicine

Honors/Awards

1998 – Present Buddhist Compassion Relief Tzu-Chi Organization
Participate in nursing home visits, fund-raising.

Research

- Title: Contribution of Arginine Vasopressin and Alpha-Agonists on Angiotensin II-Meditated increases in Newborn Blood Pressure
- Mentor: Charles Rosenfeld, MD
- Chair of the Research Advisory Committee: Charles Rosenfeld, MD

Abstracts

Miao D, Salhab W, Rosenfeld CR. Characteristics and Outcome of Infants with Gastroschisis: A 16 Years Review. Presented at the SPR/PAS 2005 meeting Washington, DC (poster) as well as a presentation at the 2004 Mead-Johnson South Central Conference on Perinatal Research, Austin, TX

Miao D, Velaphi S, Roy T, and Rosenfeld CR. Mechanisms Regulating Blood Pressure in Conscious Newborn Sheep: Metabolic Clearance of Arginine Vasopressin (MCR_{AVP}). Presentation at Pediatric Academic Societies Meeting. Toronto, Canada, May 2007

Miao D, Velaphi S, Roy T, and Rosenfeld CR. Mechanisms Regulating Blood Pressure in Conscious Newborn Sheep: Metabolic Clearance of Arginine Vasopressin (MCR_{AVP}). Presentation at AAP Meeting, San Francisco, CA, October 2007

Miao D, DeSpain K, Rosenfeld CR. Vascular reactivity in newborn sheep is vessel and agonist dependent. Poster presentation at PAS-SPR, Honolulu, Hawaii, 5/04/08

Miao D, DeSpain K, Rosenfeld CR. Vascular sensitivity to angiotensin II (ANG II) and α -stimulation increases after the first month postnatal in conscious newborn sheep. Poster presentation at PAS-SPR, Honolulu, Hawaii, 5/04/08

Publications

Miao DC, Velaphi SC, Roy T, DeSpain K, Rosenfeld CR. Metabolism and synthesis of arginine vasopressin in conscious newborn sheep. Am J Physiol Endocrinol Metab, In press.

Rodica Catrinel Marinescu, M.D. (2008 Graduate)



Licensure

2005 - Present	Pennsylvania, Unrestricted Medical License
2006 - Present	Texas Physician in Training Permit

Certification

2001	Educational Commission for Foreign Medical Graduates
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Education

Medical:

1988 - 1994	Universitatea de Medicina Si Farmacie Carol Davila, Bucharest, Romania	MD
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Postgraduate:

1994 - 1997	Resident in Internal Medicine, Romanian National Residency Program, Bucharest, Romania	Residency
1997 - 2000	Postdoctoral Research Fellow, Human Genetics, Department of Biochemistry, Thomas Jefferson University, Philadelphia	
2000 - 2001	Scientist, Genotherapeutics, Inc, Memphis, TN	
2001 - 2002	Postdoctoral Research Fellow, Human Genetics, Department of Biochemistry, Thomas Jefferson University, Philadelphia	
2002 - 2003	Albert Einstein Medical Center, Philadelphia Thomas Jefferson Medical College General Pediatrics	Internship
2003 - 2005	St. Christopher's Hospital for Children, Philadelphia Drexel University College of Medicine General Pediatrics	Residency
2005 - 2006	Children's Hospital of Philadelphia Neonatal-Perinatal Medicine	Fellowship
2006 -2008	University of Texas Southwestern Medical Center Neonatal/Perinatal Medicine	Fellowship

Honors/Awards

1988 - 1994	National Merit Fellowship, Universitatea de Medicina si Farmacie Carol Davila, Bucharest, Romania
1993	Medical Student Training Grant at Amsterdam Medical Center, Amsterdam, Holland
2001- 2002	NIH training Grant, Thomas Jefferson University, Philadelphia

Research

- Title: RHAMM and angiogenesis
- Mentor: Rashmin Savani, MBChB

Publications

Schmutte C, **Marinescu RC**, Sadoff MM, Guerrette S, Overhauser J, Fishel R: Human Exonuclease I interacts with the mismatch repair protein hMSH2. *Cancer Research* 58:4537-4542, 1998

Schmutte C, **Marinescu RC**, Copeland NG, Jenkins A, Overhauser J, Fishel R: Refined chromosomal localization of the mismatch repair and hereditary nonpolyposis colorectal genes hMSH2 and hMSH6. *Cancer Research*. 58(20):4537-42, 1998

Marinescu RC, Johnson E, Dykens E, Hodapp R, Overhauser J: No relationship between size of deletion and developmental delay in cri-du-chat syndrome. *Am J Med Genet* 86:66-70, 1999

Marinescu RC, Mamunes P, Kline AD, Schmidt J, Rojas K, Overhauser J. Variability in a family with an insertion involving 5p. *American Journal of Medical Genetics* 86:258-263, 1999

Marinescu RC, Nyce K, Serrano de la Pena L, Overhauser J, Williams CJ: Exclusion of the gene for human cartilage intermediate layer protein in currently mapped calcium pyrophosphate dihydrate deposition syndromes. *Arthritis Rheum* 42:2139-2143, 1999

Sreekantaiah C, Kronn D, **Marinescu RC**, Goldin B, Overhauser J: Characterization of a complex chromosomal rearrangement in a patient with a typical cat-like cry and no other features of cri-du-chat syndrome. *Am J Med Genet* 86:264-268, 1999

Marinescu RC, Johnson E, Grady D, Overhauser J: FISH Analysis of Terminal Deletions in Patients Diagnosed with Cri-du-chat Syndrome. *Clin Genet* 56:282-288, 1999

Johnson EI, **Marinescu RC**, Punnett H, Tennenholz B. 5p14 deletion associated with microcephaly and seizures. *J Med Genet* 37:125-127, 2000

Medina M, **Marinescu RC**, Overhauser J, Kosik KS: Hemizyosity of d-catenin (CTNND2) is associated with severe mental retardation in Cri-du-Chat syndrome. *Genomics* 63:157-164, 2000

Marinescu RC, Cerruti Maniardi P, Collins MR, Kouahou M, Coucourde G, Pastore G, Eaton-Evans J, Overhauser J. Growth charts for Cri-du-chat Syndrome: An International Collaborative Study. *Am J of Human Genetics* 94:153-162, 2000

Abstracts

Marinescu RC, Ashraf Q, Delivoria-Papadopoulos M : Ca⁺⁺-Influx dependent mechanism of apoptotic proteins expression (Bax, Bcl2, Bcl-xl) in the mitochondrial and cytosolic fractions in the cerebral cortex of newborn piglets. SPR:A1054, 2005

Marinescu RC, DeLisser HM, Savani RC. The Hyaluronan (HA) Receptor RHAMM is Required for VEGF-Stimulated Endothelial Cell Migration and Angiogenesis. Mead Johnson Meeting, "Genetics - In-roads into Neonatology", Marco Island, FL, 11/15/2007

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