

CURRICULUM VITAE

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Education:

1976 B.S. Zoology, University of Nebraska-Lincoln
1980 M.D. Harvard Medical School, Boston, MA

Postdoctoral Training:

Internship and Residency:

1980-81 Intern, Medicine, Children's Hospital, Boston, MA
1981-83 Resident, Medicine, Children's Hospital, Boston, MA

Clinical and Research Fellowships:

1983-86 Clinical and Research Fellow in Neonatal-Perinatal Medicine,
Children's Hospital, Boston; Dana-Farber Cancer Institute, Boston, MA

Executive Leadership Programs:

2005 Program for Chiefs of Clinical Services
Harvard School of Public Health

Licensure:

1985 - present Massachusetts License #54498
2001 - present California license #G86334

Board Certification:

1981 Diplomate of the National Board of Medical Examiners
1986 Diplomate of American Board of Pediatrics #33440
1987 Diplomate Sub-Board Neonatal-Perinatal Medicine #1870
2009 Maintenance of Certification, Neonatal-Perinatal Medicine
2014 Maintenance of Certification, Neonatal-Perinatal Medicine

Major Administrative Responsibilities:

1989-02 Director, Neonatal-Perinatal Fellowship Training Program, Children's
Hospital, Brigham & Women's Hospital, Beth Israel Deaconess Medical
Center, Massachusetts General Hospital
1990-02 Clinical Investigation Institutional Review Board, Brigham and Women's
Hospital
1993-00 Associate Program Director, Developmental and Newborn Biology
Training Grant; T32 NICHD
1994-02 Clinical Investigation Institutional Review Board, Beth Israel Deaconess
Medical Center
1994-Present Organization of Neonatal-Perinatal Training Program Directors

1997-02 Chair, Human Genetic Research Subcommittee, Beth Israel Deaconess Medical Center
1997-02 Clinical Investigation Institutional Review Board, Massachusetts General Hospital, Brigham and Women's Hospital
2000-2002 Director, Neonatal Intensive Care Unit, Children's Hospital, Boston
2002-Present Director, Training Programs, Division of Neonatology, Cedars Sinai Medical Center
2002-Present Director, Neonatal ICU, Cedars Sinai Medical Center
2002-Present Director, Division of Neonatology, Cedars Sinai Medical Center
2004-Present Chairman, Department of Pediatrics, Cedars-Sinai Medical Center

Hospital Appointments:

1980-83 Clinical Fellow in Pediatrics, Children's Hospital, Boston, MA
1983-86 Clinical Fellow in Neonatal-Perinatal Medicine, Children's Hospital, Brigham & Women's Hospital, Beth Israel Hospital
1984-86 Research Fellow in Pediatric Oncology, Dana Farber Cancer Institute, Boston, MA
1986-87 Research Fellow in Pediatric Cardiology, Children's Hospital
1986-00 Assistant in Medicine, Newborn Medicine, Children's Hospital
1986-02 Associate in Pediatrics, Newborn Medicine, Beth Israel Hospital, Brigham & Women's Hospital
1988-02 Associate in Medicine, Newborn Medicine, Children's Hospital
2000-2002 Director, Neonatal ICU, Children's Hospital, Boston
2002 - Present Director, Division of Neonatology, Cedars Sinai Medical Center
2002 - Present Ruth and Harry Roman Chair in Neonatology, Cedars Sinai Medical Center
2002 - Present Director, Neonatal ICU, Cedars Sinai Medical Center
2004 - Present Chairman, Department of Pediatrics, Cedars-Sinai Medical Center

Academic Appointments:

1980-1983 Clinical Fellow in Pediatrics, Harvard Medical School, Boston, MA
1983-1985 Clinical and Research Fellow in Pediatrics, Harvard Medical School, Boston, MA
1986-89 Instructor in Pediatrics, Harvard Medical School, Boston, MA
1989-02 Assistant Professor in Pediatrics, Harvard Medical School, Boston, MA
2002 - Present Professor and Vice-Chair Pediatrics, David Geffen School of Medicine at UCLA
2009 - Present Professor and Chairman, Cedars-Sinai Medical Center

Major Committee Assignments:

1981-1982 Committee on Human Investigation, Children's Hospital
1988-1994 Scientific Review Committee, American Heart Association, Massachusetts Chapter
1990-1997 Strategic Steering Committee, Joint Program in Neonatology, Harvard Medical School
1991-1995 Faculty Council, Enders Research Laboratories
1991-2002 Chair, Fellowship Committee, Joint Program in Neonatology, Harvard Medical School
1992-1998 Clinical Executive Committee, Joint Program in Neonatology, Harvard Medical School
1990-2002 Clinical Investigation Institutional Review Board, Brigham and Women's Hospital
1997-2002 Clinical Investigation Institutional Review Board, Massachusetts General Hospital, Brigham and Women's Hospital

1994-2002	Clinical Investigation Institutional Review Board, Beth Israel Deaconess Medical Center
1997-2002	Chair, Human Genetic Research Subcommittee, Beth Israel Deaconess Medical Center
1994-2002	Organization of Neonatal-Perinatal Training Program Directors
1999-2002	Scientific Advisory Committee, General Clinical Research Center, Beth Israel Deaconess Medical Center
1999-2001	Scientific Advisory Committee, Massachusetts Corporation for Educational Telecommunications
1999-2002	Committee on Human Investigation, Children's Hospital
1999-2002	Steering Committee, NICU, Children's Hospital, Boston
2000-2002	Clinical Leadership Committee, NICU, Children's Hospital, Boston
2000-2001	ICU Building Task Force, Children's Hospital, Boston
2002- 2009	Chair, Performance Improvement Committee, NICU
2002- Present	Chair, Performance Improvement Committee, Pediatrics
2002- Present	Performance Improvement Committee, OB/GYN
2002- Present	Obstetrics, Pediatrics, Anesthesiologists, Neonatologists Committee
2002- 2012	EIS (Enterprise Information Systems) Management Committee
2004- 2010	Morale Retention Committee, Neonatal Intensive Care Unit
2004- Present	Quality Council Committee
2004- Present	EMC - Executive Management Committee
2004- Present	Pediatric Surgical Services Executive Committee
2004- 2009	GCRC Scientific Advisory Committee
2004- Present	Quality Council/SAE Oversight Committee
2004- Present	MEC - Medical Executive Committee
2004- Present	GMEC – Graduate Medical Education Committee
2004- Present	Critical Care Committee
2004- Present	MLG - Medical Leadership Group
2004- 2009	IRB AE Committee
2004- Present	UCLA Department of Pediatrics Review and Appraisal Committee
2006- Present	CSMC Clinical Improvement Committee
2006- Present	Fetal Management Group, CSMC
2015	Board of Directors, Cedars-Sinai Medical Center, Policy
2015	Legislative Assembly, Academic Senate, University of California, LA

Memberships, Offices, and Committee Assignments in Professional Societies:

1994- Present	American Academy of Pediatrics
1994- Present	Perinatal Section, AAP
1994- Present	Organization of Neonatal-Perinatal Training Program Directors
1999- 2012	Society for Developmental Biology
1999- Present	Society for Pediatric Research
2002- Present	California Association of Neonatologists
2003- 2009	Wound Healing Society
2003- 2012	Steering Committee, California Perinatal Quality Care Collaborative
2004- 2010	Board of Directors, California Association of Neonatologists
2007-2008	Vice-President, California Association of Neonatologists
2008-2009	President, California Association of Neonatologists
2009-2010	Immediate Past-President, California Association of Neonatologists
2008-present	American Pediatric Society

Awards and Honors:

1972	National Science Foundation Scholar
1972-1976	National Merit/Regents Scholar

1976	Chancellor's Scholar, University of Nebraska
1976	Phi Beta Kappa
1976	Bachelor of Science, <i>Highest Distinction</i>
1980	Harvard Medical School, <i>Magna cum Laude</i>
1980	Harold Lampport Biomedical Research Prize, Harvard Medical School
1984-1985	Charles A. Janeway Fellowship Award
1985-1987	Johnson and Johnson Institute Fellow
1987-1988	Bugher Foundation Fellow, American Heart Association
1989	Syntex Award for Outstanding Cardiovascular Research
1987-1992	Clinical Investigator Award, NHLBI, NIH
1993	Milton Foundation Award
1994	Hearst Foundation Award
1996-2002	FIRST Award, NICHD
1998	Harvard Medical School Pre-Clinical Teaching Award Nominee – Genetics, Embryology, Reproduction
1998	Chief Tutor, Castle Society, Harvard Medical School
1999-present	Society for Pediatric Research
2001	Parker J. Palmer Award Finalist, ACGME (Finalists represent top 1.5% of all ACGME training program directors)
2002-present	Ruth and Harry Roman Chair in Neonatology
2004- 2010	Board of Directors, California Association of Neonatologists
2006	Courageous Beginnings NICU Leadership Award
2006- present	Board of Directors, Good Beginnings
2006- present	Board of Directors, Fashion Industries Guild
2007-2008	Vice-President, California Association of Neonatologists
2008-2009	President, California Association of Neonatologists
2009-2010	Immediate Past-President, California Association of Neonatologists
2008- present	American Pediatric Society
2010	March of Dimes NICU Award
2014	Fashion Industries Guild Man of the Year/Lifetime Achievement Award

Research Funding Information

Past:

1988-1992	NIH/NHLBI	<i>Principal Investigator</i>
“Cell and Molecular Biology of Na ⁺ /K ⁺ ATPases”		
1991-1993	Ortho Pharmaceuticals	<i>Co-PI</i>
“Recombinant Erythropoietin in the Anemia of Prematurity”		
1993-1994	Milton Fund/ HMS	<i>Principal Investigator</i>
“Molecular Regulation of Parturition: the Mouse Oxytocin Receptor Gene”		
1994-1995	Hearst Foundation	<i>Principal Investigator</i>
“Regulation of Genes that Control the Duration of Pregnancy”		
1993-1996	Joint Program in Neonatology	<i>Principal Investigator</i>
“Regulation of the Oxytocin Receptor Gene ”		
1996 - 2002	NIH/NICHD HD33775	<i>Principal Investigator</i>
“Molecular Regulation of Mammalian Pregnancy Duration”		
2003 – 2005	NIH/NICHD Grant	<i>Co- Investigator</i>
“Community Response to Maternal/Child Health Disparities”		

Present:

- 2002 – 2017 Burns and Allen Research Institute *Principal Investigator*
“Smooth Muscle and Myofibroblast Biology”
- 2010 – 2014 State of CA Department of Public Health *Principal Investigator*
“High Risk Infant Follow-up Program”
- 2012 – 2014 NIH/NEI R01 EY19474 *Co-I, Site Principal Investigator*
“Retinopathy of Prematurity (ROP): Clinical-level and Population-level Challenges”
- 2015 – 2017 NIH/NEI R01 EY19474 (Competitive Renewal pending; submission 07/2014) *Co-I, Site Principal Investigator*
“Retinopathy of Prematurity (ROP): Clinical-level and Population-level Challenges”

Lectures and Presentations

Regional, National, or International Contributions

- February 1989 Syntex Corporation
“Molecular Biology of Na⁺/K⁺ ATPases”
- April 1995 Tufts University, St. Elizabeth's Hospital
Perinatal Grand Rounds
“Molecular Regulation of Mammalian Pregnancy Duration”
- November 1995 Boston University, Boston Medical Center
“Molecular Regulation of Mammalian Pregnancy Duration”
- February 1996 Tufts University, New England Medical Center
“Molecular Regulation of Mammalian Pregnancy Duration”
- February 1997 Boston Biomedical Research Institute
“Molecular Regulation of Mammalian Pregnancy Duration”
- 1992-1999 Northeast Regional Neonatal-Perinatal Research Symposium
Organizer and moderator
Keynote Speakers with national and international recognition
Over 500 attendees in 7 years, over 100 posters contributed by fellows
From 6 training programs
- March 1998 Eitzman Visiting Professor, University of Florida, FL
“Prevention of Preterm Birth: Agenda for a New Millennium”
- March, 1998 Eitzman Visiting Professor, University of Florida, FL
“Smooth Muscle Cell Development in the Female Reproductive Tract”
- April 1998 Whitehead Institute, Cambridge, MA
“The Human Genome Project: Science, Law, and Social Change in the
21st Century”
- April 1998 American Society for Law, Medicine, and Ethics, Boston, MA
“Role of IRBs in Human Genetic Research”

June 1998	Harvard University/Massachusetts General Hospital, Boston, MA “Human Genetics and Risk Management” CRICO
September, 1999	Children’s Hospital/ Department of Surgery, Boston, MA “Role of Developmental Biology in Newborn Medicine”
October, 1999	Brown University/Department of Pediatrics, Providence, RI “Molecular Regulation of Mammalian Pregnancy Duration”
November 2000	Department of Anesthesia/Children’s Hospital “Update: Management of Persistent Pulmonary Hypertension of the Newborn”
November 2001	Cedars Sinai Medical Center /Department of Pediatrics “Developmental Biology of Vascular and Visceral Smooth Muscle”
April 2002	Cedars Sinai Medical Center /Department of Pediatrics - Grand Rounds “Newborn Medicine 2002: Past Lessons and Future Promise”
May 2002	St. Francis Maternal-Infant Health 3rd Annual Conference “Developmental Biology of Birth Defects”
May 2002	LAC+USC Medical Center/Department of Pediatrics – Grand Rounds "Newborn Medicine 2002: Past Lessons and Future Promise"
May 2002	LAC+USC Medical Center/Division of Neonatology "Developmental Biology and Newborn Medicine"
July 2002	Cedars-Sinai Medical Center/Department of Pediatrics – Clinical Case Conference “Tragedy in the Perinatal Period”
October 2002	Citrus Valley Medical Center/Queen of the Valley "Persistent Pulmonary Hypertension of the Newborn (PPHN): Update 2002"
October 2002	Annual Neonatologists Of Southern California Meeting (ANOSC) / Children’s’ Hospital, Orange County (CHOC) "Smooth Muscle and Myofibroblast Biology"
November 2002	Ventura County Pediatric Client Services Outreach Dinner “Newborn Medicine 2002: Past Lessons and Future Promise”
March 2003	Cedars Sinai Medical Center/Department of Pediatrics Grand Rounds “Chronic Lung Disease of the Newborn”
March 2003	Cedars Sinai Medical Center /Cranio-facial Clinic “New Insights into the Developmental Biology of Wound Healing”
June 2003	Harbor-UCLA Research and Education Institute “Myofibroblast and Smooth Muscle Cell Biology in Health and Disease”
August 2003	Children’s Hospital Los Angeles

	“Scarred for Life: Molecular Mechanisms of Fibrotic Disease in the Newborn”
July 2004	Antelope Valley Grand Rounds, Palmdale, CA “Neonatal Morbidity/Mortality Update”
August 2004	Board of Governors, Cedars-Sinai Medical Center, Los Angeles, CA “Pediatric Frontiers”
October 2004	Contemporary Forums, La Jolla, CA “Genetic Predisposition to Common Neonatal Diseases” “Fluid and Electrolyte management of extremely low birth weight infants”
November 2004	UCLA Grand Rounds, Los Angeles, CA “Myofibroblasts in Neonatal Health and Disease”
April 2006	Bioethics Conference, Cedars-Sinai Medical Center “Stem Cell Biology and Ethics”
July 2006	Newborn Medicine Research Conference, Cedars-Sinai Medical Center “Molecular mechanisms of Inflammation and Fibrosis”
August 2006	OB/MFM Research Conference, Cedars-Sinai Medical Center “Tales of the Umbilical Cord: Molecular mechanisms of Inflammation and Fibrosis”
October 2006	Burns and Allen Research Institute, Cedars-Sinai Medical Center “Molecular Mechanisms of Inflammation and Fibrosis”
December 2006	Pediatric Clinical Case Conference at Cedars-Sinai Medical Center “The Late Preterm Infant: A Hidden Epidemic”
January 2007	Grand Rounds Cottage Hospital, Santa Barbara “The Late Preterm Infant: A Hidden Epidemic”
January 2007	Grand Rounds Cottage Hospital, Santa Barbara “NICU Morbidity and Mortality”
February 2007	Pediatric Clinical Case Conference at Cedars-Sinai Medical Center “Fetal/Neonatal Hepatic Hemangioma”
July 2007	Grand Rounds Antelope Valley Hospital “NICU Morbidity and Mortality”
October 2007	Pediatric Clinical Case Conference at Cedars-Sinai Medical Center “Neonatal Emergencies”
November 2007	Bakersfield Memorial Hospital “The Late Preterm Infant: A Hidden Epidemic”
November 2007	Bakersfield Memorial Hospital “Triage of the Critically Ill Neonate 2008”
February 2008	Pediatric Grand Rounds, Cedars-Sinai Medical Center “Neonatal Hemangioma – Diagnosis and Treatment”

March 2008 California Association of Neonatologists
“President-elect Keynote Address: CAN 2008 – Challenges at the Crossroads”

April 2008 Pediatric Grand Rounds, Cedars-Sinai Medical Center
“Congenital Pulmonary Insufficiency in Term Newborns”

June 2008 Grand Rounds Torrance Memorial Hospital
“Neonatal Hyperbilirubinemia Update 2008”

January 2009 Grand Rounds Antelope Valley Hospital
“NICU Morbidity and Mortality”

January 2009 Neonatal Grand Rounds, Cedars-Sinai Medical Center
“Multidrug Resistant Organisms in the NICU”

March 2009 Neonatal Grand Rounds - CSMC
“Molecular Mechanisms of Inflammation and Fibrosis”

April 2009 Pediatric Research Symposium - CSMC
“Molecular Mechanisms of Inflammation and Fibrosis”

June 2009 Immunobiology Symposium – CSMC/Pepperdine University
“Molecular Mechanisms of Inflammation and Fibrosis”

January 2010 NICU Grand Rounds
“Neonatal Ventilator Associated Pneumonia”

April 2010 NICU Ethics Conference
“Ethical Considerations in Stem Cell Therapeutics”

April 2010 NICU Grand Rounds Santa Barbara
“NICU Morbidity and Mortality Update”

August 2010 NICU Symposium Cedars-Sinai Medical Center
“Molecular Mechanisms of Necrotizing Enterocolitis”

September 2010 Bakersfield CME Symposium
“Update in Pediatrics 2010: The Late Preterm Infant”

March 2011 Grand Rounds Antelope Valley Hospital
“NICU Morbidity and Mortality”

April 2011 Ukraine Symposium
“Advances in Pediatric Healthcare 2010”

April 2011 Grand Rounds Cottage Hospital, Santa Barbara
“NICU Morbidity and Mortality”

May 2011 Benjamin Kagan 27th Annual Lectureship, Cedars-Sinai Medical Center
“Pediatric Healthcare at Cedars-Sinai 2011”

June 2011 CSMC OB/GYN/NICU Symposium
“Tales of the Umbilical Cord: Smooth Muscle, Myofibroblast, and Mesenchymal Cell Biology”

August 2011 NICU Symposium Cedars-Sinai Medical Center
“Molecular Mechanisms of Necrotizing Enterocolitis”

August 2011 CME Symposium – Central/South American Pediatrics
“Advances and Frontiers in Neonatal Nutrition”

September 2011 Umbilical Cord Blood Symposium
“Umbilical Cord Blood Transplantation – Advances and Frontiers”

October 2011 World Stem Cell Summit
“Umbilical Cord Blood Transplantation – All Things Considered”

January 2012 Grand Rounds Antelope Valley Hospital
“NICU Morbidity and Mortality”

January 2012 CSMC NICU Grand Rounds
“Nosocomial Infection in the NICU”

February 2012 Cedars-Sinai Medical Center OB/GYN Grand Rounds
“Advances and Frontiers in Umbilical Cord Blood Transplantation”

July 2012 Benjamin Kagan 28th Annual Lectureship, Cedars-Sinai Medical Center
“Pediatric Healthcare at Cedars-Sinai 2012”

October 2012 RECOOP Symposium, Prague, Czech Republic
“NICU Outcomes of Assisted Reproductive Technologies”

March 2013 Grand Rounds Antelope Valley Hospital
“NICU Morbidity and Mortality”

April 2013 CDC Symposium, University of CA, Irvine
“NICU Outcomes of Assisted Reproductive Technologies”

May 2013 Benjamin Kagan 29th Annual Lectureship, Cedars-Sinai Medical Center
“Pediatric Healthcare at Cedars-Sinai 2013”

June 2013 CME Symposium, Cedars-Sinai Medical Center
“Pediatric State of the Art—2013”

September 2013 Grand Rounds Antelope Valley Hospital
“NICU Morbidity and Mortality”

November 2013 OB/GYN Grand Rounds, Cedars-Sinai Medical Center
“Innovations in Neonatal-Perinatal Healthcare”

December 2013 World Stem Cell Summit, San Diego, CA
“Umbilical Cord Blood Transplantation—Advances and Frontiers”

April 2014 World Ophthalmology Congress, Tokyo, Japan
“Universal Neonatal Eye Screening”

May 2014 Benjamin Kagan 30th Annual Lectureship, Cedars-Sinai Medical Center
“Pediatric Healthcare at Cedars-Sinai 2014”

June 2014	Inaugural Alumni Society Lectureship, Cedars-Sinai Medical Center “Innovations in Pediatric Healthcare”
June 2014	RECOOP Symposium, Split, Croatia “Transcatheter PDA Closure in VLBW Infants”
June 2014	CME Symposium, Cedars-Sinai Medical Center “Pediatric State of the Art—2014”
August 2014	Clarity Medical “Universal Neonatal Eye Screening: Value Analysis”
August 2014	Santa Barbara Cottage Hospital Neonatal-Perinatal Morbidity and Mortality Conference “Transcatheter Closure of PDA in VLBW Infants”
November 2014	5 th Annual China Maternal-Child Health Symposium Guangzhou, China “Universal Neonatal Ophthalmologic Screening: Value Analysis”
November 2014	5 th Annual China Maternal-Child Health Symposium Guangzhou, China “Transcatheter Closure of PDA in VLBW Infants”

BIBLIOGRAPHY/PUBLICATIONS:

A. PEER REVIEWED

1. **Simmons CF, Jr.,** Bogusky RT, and Humes ND. Inhibitory effects of gentamicin on renal cortical mitochondrial oxidative phosphorylation. *J Pharmacol Exp Ther.* 1980; 214(3): 709-715.
2. Weinberg JM, **Simmons CF, Jr.,** and Humes HD. Alterations of mitochondrial respiration induced by aminoglycoside antibiotics. *Res Comm Chem Pathol Pharmacol.* 1980; 27:521-532.
3. Humes HD, **Simmons CF, Jr.,** and Brenner BM. Interaction between antidiuretic and parathyroid hormones on urine concentration. *Am J Physiol.* 1980; 239(3): F244-249.
4. Humes HD, **Simmons CF, Jr.,** and Brenner BM. Effect of verapamil on the hydroosmotic response to antidiuretic hormone in the toad urinary bladder. *Am J Physiol.* 1980; 239(3):F250-7.
5. **Simmons CF, Jr.,** Rennke NG, and Humes HD. Acute renal failure induced by diethylaminoethyl dextran: Importance of cationic charge. *Kidney Int.* 1981; 19(3):424- 430.
6. Levenson DJ, **Simmons CF, Jr.,** and Brenner BM. Arachidonic acid metabolism, prostaglandins and the kidney. *Am J Med.* 1982; 72(2):354-374.
7. **Simmons CF, Jr.,** Winter HS, Berde CB, Schrater F, Humphrey GB, Rosen FS, Beaver PC, and Weller PF. Zoonotic filariasis in an immunodeficient infant. *NEJM.* 1984; 310:1243-1245.
8. **Simmons CF, Jr.,** and Schwartz AL. Cellular pathways of galactose-terminal ligand movement in a cloned human hepatoma cell line. *Mol Pharm.* 1984; 26:509-519.

9. Breitfeld PP, **Simmons CF, Jr.**, Strous GJAM, and Schwartz AL. Cell biology of the asialoglycoprotein receptor system: A model of receptor-mediated endocytosis. *Int Rev Cytol.* 1985; 97:47-95.
10. Fallon R, **Simmons CF, Jr.**, Geuze NJ, Strous GJAM, and Schwartz AL. Mechanisms of recycling of the asialoglycoprotein receptor: insights from the pathway inhibitors primaquine and phorbol esters. *UCLA Symposia.* 1986; 96:117-127.
11. Geuze NJ, Van der Donk JAWM, **Simmons CF, Jr.**, Slot JW, Strous GJAM, and Schwartz AL. Adsorptive endocytosis in liver parenchymal cells. *Int Rev Exp Pathol.* 1986; 29:113-171.
12. Van der Ende A, duMaine A, **Simmons CF, Jr.**, Schwartz AL, and Strous G. Iron metabolism in BeWo choriocarcinoma cells: transferrin mediated uptake and release of iron. *J Biol Chem.* 1987; 262:8910-16.
13. Lee B, **Simmons CF, Jr.**, Wileman T, and Geha RS. Intracellular cleavage of newly synthesized low affinity F_{ce} receptor (F_{ce} R₂) provides a second pathway for the generation of the 28 KD soluble F_{ce} R₂ fragment. *J Immunol.* 1989; 142:1614-20.
14. **Simmons CF, Jr.** The development of cellular polarity in transport epithelia. *Semin Perin.* 1992; 16:78-89.
15. Alper SL, Stuart-Tilley A, **Simmons CF, Jr.**, Brown D, and Drenckhahn D. The fodrin-ankyrin cytoskeleton of choroid plexus preferentially colocalizes with apical Na⁺, K⁺ -ATPase rather than with basolateral anion exchanger AE2. *J Clin Inv* 93(4):1430-8, 1994.
16. Shannon KM, Keith JF III, Mentzer WC, Ehrenkrantz RA, Brown MS, Widness JA, Gleason CA, Bifano EM, Millard DD, Davis CB, Stevenson DK, Alverson DC, **Simmons CF, Jr.**, Brim M, Abels RI and Phibbs RH. Recombinant human erythropoietin stimulates erythropoiesis and reduces erythrocyte transfusions in very low birthweight preterm infants. *Pediatrics.* 95: 1-10, 1995.
17. **Simmons CF, Jr.**, Clancy TE, Quan RW, and Knoll JHM. The oxytocin receptor gene (OXTR) localizes to human chromosome 3p25 by fluorescence in situ hybridization and PCR analysis of somatic cell hybrids. *Genomics* 26, 623-5, 1995.
18. Alkalay AL, Galvis S, Ferry DA, **Simmons CF, Jr.**, Krueger RC Jr. Hemodynamic changes in anemic premature infants: are we allowing the hematocrits to fall too low? *Pediatrics Oct;* 112(4): 838-45, 2003.
19. Alkalay AL, Moghimi A, Vanderhal A and **Simmons CF, Jr.** Osteopenia of Prematurity: Practice Guidelines for the Clinician Neonatal Intensive Care; August 2003; 16:40-45.
20. Das A, **Simmons C**, Danielpour M. A congenital brain tumor associated with assisted in vitro fertilization. *J Neurosurg.* 2005 Nov;103(5 Suppl):451-3.
21. Alkalay AL, Sarnat BS, Flores-Sarnat L, **Simmons CF, Jr.** Neurological Aspects of Neonatal Hypoglycemia. *IMAJ* 7:188-192, 2005
22. Alkalay AL, Sarnat HB, Flores-Sarnat L, Elashoff JD, Farber SJ, **Simmons CF, Jr.** Population meta-analysis of low plasma glucose thresholds in full-term normal newborns. *Am J Perinatol.* 2006 Feb;23(2):115-9.
23. Alkalay AL, Flores-Sarnat L, Sarnat HB, Farber SJ, **Simmons CF, Jr.** Plasma glucose concentrations in profound neonatal hypoglycemia. *Clin Pediatr (Phila).* 2006

Jul;45(6):550-8.

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26. Kaplan A, Chung K, Kocak H, Bertolotto C, Uh A, Hobel CJ, **Simmons CF**, Doran K, Liu G, Equils O. Group B Streptococcus induces trophoblast death. *Microb Pathog*. 2008 Sep;45(3):231-5. Epub 2008 Jul 2.
27. Uh A, Nicholson RC, Gonzalez GV, **Simmons CF**, Gombart A, Smith R, Equils, O. Lipopolysaccharide stimulation of trophoblasts induces corticotrophin-releasing hormone expression through MyD88. *Am J Obstet Gynecol*. 2008 Sep;199(3):317.e1-6.
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29. Uh A, **Simmons CF**, Gombart AF, Ansari H, Nicholson R, Kocak H and Equils O. MyD88 and TRIF mediate the cyclic adenosine monophosphate (cAMP) induced corticotropin releasing hormone (CRH) expression in JEG3 choriocarcinoma cell line. *Reprod Biol Endocrinol*. 2009 Jul; 17(7) 74.
30. Equils O, Moffatt-Blue C, Ishikawa TO, **Simmons CF**, Ilievski V, Hirsch E. Pretreatment with Pancaspase Inhibitor (Z-VAD-FMK) Delays but Does Not Prevent Intraperitoneal Heat-Killed Group B Streptococcus-Induced Preterm Delivery in a Pregnant Mouse Model. *Infect Dis Obstet Gynecol*. 2009; 2009: 749432. Epub 2009 Dec 28.
31. Equils O, Nambiar P, Hobel CJ, Smith R, **Simmons CF**, Shireen Vali. A Computer Simulation of Progesterone and Cox2 Inhibitor Treatment for Preterm Labor. *PLoS One*. 2010; 5(1): e8502.
32. Powers RJ, Wirtschafter D, **the Perinatal Quality Improvement Panel of the California Perinatal Quality Care Collaborative**. Prevention of Group B Streptococcus early-onset disease: a toolkit by the California Perinatal Quality Care Collaborative. *Journal of Perinatology*. 2010 (30),77-87.
33. Alkalay AL, Breese CJ, **Simmons CF**. Decreased neonatal jaundice readmission rate after implementing Hyperbilirubinemia guidelines and universal screening for Bilirubin. *Clinical Pediatrics*. 2010 Sep; 49(9): 830-3.
34. Liu NQ, Kaplan AT, Lagishetty V, Ouyang YB, Ouyang Yi, **Simmons CF**, Equils O, Hewison M. Vitamin D and the regulation of placental inflammation. *J Immunol*. 2011 May 15; 186 (10) 5968-74 . Epub 2011 Apr 11.
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36. Binder WS, Zelter L, **Simmons CF**, Pandya A. The Father in the Hallway: Post-Traumatic Stress Reactions in Fathers of NICU Babies. *Psychiatric Annals*. 2011 Aug; 41(8).

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38. Zahn EM, Nevin P, **Simmons CF**, Garg R. A Novel Technique for Transcatheter Patent Ductus Arteriosus Closure in Extremely Preterm Infants Using Commercially Available Technology. *Catheter Cardiovasc Interv.* 2014 Apr 30 (Epub)
39. Ryan MC, Ostmo S, Jonas K, Berrocal A, Dresner K, Horowitz J, Lee TC, **Simmons CF**, Martinez-Castellanos MA, Chan RVP, Chiang MF. Development and Evaluation of Reference Standards for Image-based Telemedicine Diagnosis and Clinical Research Studies in Ophthalmology. *AMIA Annu Symp Proc.* (2014 Nov; In Press)
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