C U R R I C U L U M V I T A E

Rose Marie Viscardi, M.D.

# Professor of Pediatrics and Medicine

University of Maryland School of Medicine

## DATE: June 5, 2017

CONTACT INFORMATION:

Business Address: University of Maryland School of Medicine

Department of Pediatrics

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EDUCATION:

1976 B.A., Biology, Mount Holyoke College (Summa cum laude)

1980 M.D. University of Rochester School of Medicine and Dentistry

POST‑GRADUATE EDUCATION AND TRAINING:

1980-1981 Internship Pediatrics, Strong Memorial Hospital, University of Rochester

School of Medicine and Dentistry

1981-1983 Residency Pediatrics, Strong Memorial Hospital, University of Rochester School of Medicine and Dentistry

1983‑1986 Fellowship, Neonatal-Perinatal Medicine, Holden Neonatal Intensive Care Unit, University of Michigan Hospitals

CERTIFICATION:

1981 Diplomate, National Board of Medical Examiners

1985 Diplomate, American Board of Pediatrics

1985 Diplomate, Perinatal‑Neonatal Medicine

1991 Neonatal Resuscitation Program Instructor

MEDICAL LICENSURE:

Inactive New York

Inactive Michigan

Active Maryland

## EMPLOYMENT HISTORY

**Academic Appointments**

## 1986-1993 Assistant Professor, Pediatrics, University of Maryland School of Medicine

## 1993-1995 Associate Professor, non-tenure track, Pediatrics, University of Maryland School of Medicine

1995-2007 Associate Professor, with tenure, Pediatrics, University of Maryland School of Medicine

2007-present Professor, with tenure, Pediatrics, University of Maryland School of Medicine

PROFESSIONAL SOCIETY MEMBERSHIPS:

1976 Phi Beta Kappa

1976 Sigma Xi, Fellow

1983 Perinatal Association of Michigan

1985 American Thoracic Society

1986 American Lung Association of Maryland

1991 American Academy of Pediatrics, Fellow

## 1991 AAP Perinatal Section, member

1991 American Medical Women's Association

1994 Society for Pediatric Research

1994 National Perinatal Association

2010 American Pediatric Society

HONORS AND AWARDS:

1983 Rochester Academy of Medicine Award,

1985 American Lung Association Fellowship,

1985‑1986 NIH individual National Research Service Award

1990-1993 American Lung Association Edward Livingston Trudeau Scholar

CLINICAL ACTIVITIES:

* + Supervise care of critically ill newborns in the University of Maryland 40 bed tertiary level NICU: provide care for ~100 infants/year
  + Direct the care of critically ill newborns transported from referring hospitals throughout the state of Maryland during clinical service months (~30/year)
  + Established the UMMS multidisciplinary NICU Follow-up Program in 1987 that provides medical and developmental evaluation and care for NICU graduates from birth to 3 years of age
    - Medical Director from1987 to 2008
    - > 1000 visits/year
    - Provide consultation to community physicians for advise on the medical and development needs of children born prematurely
  + Total time spent in clinical duties: 2-3 months/year NICU attending
  + Areas of clinical expertise: ventilator management, management of chronic lung disease of newborns, neurodevelopmental outcomes

CLINICAL EXPERTISE:

Board-certified neonatologist

Clinical and research focus in area of neonatal lung development and lung injury

ADMINISTRATIVE SERVICES:

Institutional Services:

**Department**:

## OB-Neonatology joint conference coordinator 1986‑1996

Acting Division Chief, Neonatology

University of Maryland School of Medicine 1987‑1989

Director of Neonatology Follow‑Up Program 1987‑2008

Committee of Pediatric Graduate and Undergraduate

Training Programs 1989‑1995

Pediatric Research Committee

Member 1988‑1998

2005- present

Chairman 1989-1990

Research Director

Pediatric Critical Care Fellowship Program 1997-2001

Neonatology Fellowship Program Director 2002-2009

Pediatric Subspecialty Program Directors Committee,

Chairman 2004-2009

Department Appointment, Promotion, and Tenure Committee 2011-2014

Director, Joint Departmental Junior Faculty Academic Career

Development and Mentoring Program 2015-present

**Medical School**:

Medical Student Short Term

Research Training Program Review Committee 1989‑1991

Medical School Council, department representative 1993-1995

UMB Intramural Grant Committee, reviewer 1997-1998

2002-2003

School of Medicine Appointment, Promotion, and Tenure Committee 2011-2014

**UMMS**:

NICU Quality Improvement Committee 2005-present

UMMS Medical Staff Organization Treasurer 2006-2009

UMMS Medical Executive Committee, member 2006-2009

Local and National Service:

Local and Regional:

American Lung Association of Maryland Awards and 1992-1995

Grants Subcommittee

Chairperson 1999

American Lung Association of Maryland Research 1993-2009

Coordinating Committee

Chairperson 1999-2009

Maryland Thoracic Society Executive Committee 2002-2009

American Heart Association Mid-Atlantic Research Consortium Study Section

2006-2010

National:

## American Thoracic Society Pediatric Assembly Program Committee 1999-2002

Veterans Administration National Merit Review Grant Awards 1997

NIH NHLBI Program Project Grant Review Committee 2003

NIH NEI Special Emphasis Panel (ZEY1-VSN-08) 2003

NIH NHLBI Program Project Grant Review Committee 2004

Thrasher Research Foundation, grant reviewer 2004

NIH NEI Special Emphasis Panel (ZEY1-VSN-05) 2004

NIH NCCAM Special Emphasis Panel (ZAT-JH11) 2005

## NIH NEI Special Emphasis Panel (ZEY1-VSN-05) 2005

NIH NICHD Special Emphasis Panel (ZHD1 MCHG-B CO S) 2005

FDA Advisory Committee for Reproductive Health Drugs 2006

NIH NEI Special Emphasis Panel (10 ZEY1-VSN-(01)) 2007

NIH NHLBI Clinical Trials Review Committee ad hoc 2009

NIH NHLBI Special Emphasis Panel (ZHL1-CSR-D) 2009

NIH NHLBI Special Emphasis Panel RFA-HL-10-007 2009

NIH NICHD Special Emphasis Panel RFA HD-10-003 2010

NIH NHBLI Lung Injury, Repair, and Remodeling Study Section member 2011-present

NIH NEI Special Emphasis Panel ZEY1 VSN (04) 2012

NIH NICHD Global Network for Women’s and Children’s Health Research

Data Coordinating Center Special Emphasis Panel ZHD1 DSR-N (91) U24 2016

International:

## Swiss National Science Foundation, reviewer 1996

Ireland Health Research Board;

Ireland-Northern Ireland Project Grants reviewer 2003

TINN2 (Treat Infections in NeoNates Two) 2011-present

Independent Scientific Advisory Board

Raine Medical Research Foundation, Nedlands, Australia 2015

Journal Reviewer:

*Biochimica Biophysica Acta* 1993-present

*American Journal of Respiratory Cell and Molecular Biology* 1993-present

*Pediatric Research* 1995-present

*Journal of Pediatrics* 1998-present

*Experimental Lung Research* 2000-present

*American Journal of Physiology* *Lung Cellular and Molecular Physiology* 2000-present

*Archives of Disease in Childhood* 2003-present

*Biology of the Neonate* 2004-2009

*Pediatrics* 2004-present

*Journal of Clinical Investigation* 2005-present

*Journal of Perinatology* 2005-present

*American Journal of Perinatology* 2006-present

*American Journal of Physiology, Endocrinology and Metabolism* 2006-present

*Journal of Perinatal Medicine* 2010-present

*Neonatology (formerly Biology of the Neonate)* 2010-present

*Journal of Immunology* 2011-present

*Reproductive Sciences* 2012-present

*Cytokine* 2012-present

*Pediatric Allergy, Immunology, and Pulmonology* 2012-present

*PLoS ONE* 2012-present

*Mucosal Immunology* 2012-present

Clini*cal Microbiology and Infection* 2014-present

*Journal of Pediatric Pharmacology and Therapeutics* 2014-present

*Journal of Neonatal-Perinatal Medicine* 2014-present

*Pediatric Health, Medicine and Therapeutics* 2014-present

*Journal of Infectious Diseases* 2015-present

*BMC Pregnancy and Childbirth* 2016-present

*The Journal of Infectious Diseases* 2016-present

*Frontiers in Microbiology* 2017-present

Symposia/Post-graduate Courses Organized:

Chair, session “Pathogenesis of BPD”, American Thoracic Society International Meeting, Toronto, Canada May 7, 2000

Chair, Postgraduate Course “ Current understanding of the pathogenesis of BPD” American Thoracic Society International Meeting, San Francisco, CA May 19, 2001

Chair, mini-symposium “Regulation of lung morphogenesis and differentiation” American Thoracic Society International Meeting, San Francisco, CA May 19, 2001

Chair, Symposium “Is BPD preventable?” American Thoracic Society International Meeting, Atlanta, GA, May 21, 2002

National/International Meetings (chaired, moderator):

Advances in Airways Disease Research Workshop on Asthma and Bronchial Inflammation, Moderator for Session - "Mediators of Bronchial Inflammation" Monterey, CA, May 19-22, 1993.

Facilitator, session “Developmental Lung Biology”, American Thoracic Society International Meeting, Toronto, Canada May 9, 2000

Moderator, Mead Johnson Mid-Atlantic Conference on Perinatal Research, Hershey, PA September 28-30, 2003

Chair, Poster Discussion “Congenital diaphragmatic hernia, pulmonary hypoplasia and lung maturity: insights into mechanisms” American Thoracic Society International Meeting Orlando, FL, May 26, 2004

Co-moderator, Platform Session “Pathogenesis of Bronchopulmonary Dysplasia” Society for Pediatric Research Meeting, Washington, DC May 14, 2005

Co-moderator, Platform Session “Neonatal Lung Inflammation: Mechanisms and Clinical Implications” Society for Pediatric Research Meeting, San Francisco, CA April 30, 2006

Chair, Poster Discussion “Bronchopulmonary Dysplasia” American Thoracic Society International Meeting San Diego, CA May 21, 2006

Co-moderator, Platform Session “Prematurity & Inflammation” PAS Annual Meeting, Baltimore, MD, May 5, 2009

Co-Moderator, Platform Session “Neonatal-Patient-Oriented Research II” PAS Annual Meeting, Vancouver, Canada, May 2, 2010

Discussant, Outcomes from the NHLBI-NICHD Support Trial: The surfactant positive pressure and pulse oximetry trial in extremely low birthweight (ELBW) infants. American Thoracic Society International Meeting New Orleans, LA May 16, 2010

Co-Moderator, Poster Discussion “Neonatal Lung Disease and Bronchopulmonary Dysplasia”. American Thoracic Society International Meeting, Denver, CO May 16, 2011

Co-Moderator, Platform Session: “The Role of Inflammation in NEC” Pediatric Academic Society Meeting, Vancouver, Canada, May 5, 2014

Co-Moderator, Platform Session: “Neonatal Infections II” Pediatric Academic Society Meeting, San Diego, CA, April 27, 2015

Co-Moderator, Platform Session: “GI Physiology & NEC” Pediatric Academic Society Meeting, San Francisco, CA, May 8, 2017

TEACHING SERVICE:

1. NICU attending: Supervise/instruct medical students, pediatric residents and neonatology fellows 3 months/year in clinical neonatology: daily work rounds in NICU, teaching conferences 2-3 times/week, 1986-present
2. Pediatric Resident Core conference lectures 2-3 times per year, 1986-present
3. Neonatology Pathophysiology conference series:
4. Developed 3 year rotating lecture series, 2002
5. Contribute 2-4 lectures per year, 2002-present
6. Sophomore physical diagnosis: Supervise one 2nd year medical student as they observe 1X/week in NICU follow-up clinic, spring semester, 2003-2014
7. Neonatal Resuscitation Program instructor: participate as instructor in annual courses for residents in obstetrics and pediatrics, and neonatology fellows, 2001- present
8. NICU follow-up clinic: 1-2 sessions/month; supervise and instruct neonatology fellows, pediatric residents and 3rd year medical students during their out-patient pediatric rotation, 1986-2014
9. Pediatric Subspecialty Resident program development:
10. Developed and implemented a common core curriculum lecture series for pediatric subspecialty residents (2004)
11. Developed departmental pediatric subspecialty resident scholarly activity assessment program
    1. Departmental Scholarship Oversight Committee member (2004-present) and chair (2004-2009): review and critique first year pediatric subspecialty resident scholarly activity applications
    2. Serve as member of individual Scholarship Oversight Committees of 2-3 neonatology fellows/year (2004-present)
12. Mentoring activities:

**High School Students**:

Leah Lample, Woodlawn High School 1996-1997

Project: Placental Lesions in SGA Infants

Interacted with student weekly for school year

Rakeen Mabud, River Hill High School 2004-2005

Project: Antibiotic Sensitivities of *Ureaplasma urealyticum* isolates from preterm infants

Interacted with student daily during the summer and weekly during the school year. Met regularly to discuss lab project progress, science fair submissions

**College Students**:

Heather Smith, STRP summer student 1993

## Developmental Expression of Cholinephosphate Cytidylyltransferase in Fetal Rat Lung

Supervised daily activities of student in lab

## Amanda McCarthy, Loyola College summer student 2009-2010

Biofilm-forming capacity of *Ureaplasma* isolates

**Medical Students/MD/PhD Students**:

Gina Massoglia, UMB medical student 1990-1991

Project: Relative effects of insulin and glucose concentration in fetal rat alveolar type II cell cholinephophate cytidylyltransferase

Supervised daily activities of student in lab

Charlotte Jones, UMSOM MD/PhD student 1992-1993

Assessing Visual Acuity in Preterm Infants

Met regularly (1-2x/month) to discuss project progress and student observed in NICU

Sherri Love, UMSOM medical student summer, 2003

*Ureaplasma*-mediated neutrophil transendothelial migration

Supervised daily activities of student in lab

Katherine Pandelidis, UMSOM medical student

Short Term Research Training Program

“Biofilm-forming capacity of *Ureaplasma* isolates summer, 2009

Supervised daily activities of student in lab

Jennifer Rathe, UMSOM MD/PhD student 2008-2010

PhD Thesis: Human Rhinovirus Evolution: The Pressures and Processes Shaping Human Rhinovirus Lineages

Member, PhD thesis committee

Vanya Paralanov, graduate student, U. Maryland College Park 2010-2014

PhD. Thesis: Molecular Epidemiology, Virulence, & Genomic Characterization

of the 14 *Ureaplasma parvum* and *Ureaplasma urealyticum* serovars

Member, PhD thesis committee

Dando, Samantha, graduate student, Queensland University of Technology 2012

Brisbane, Australia

Ph.D. Thesis: *“Ureaplasma parvum*: Understanding the complexities of intra-amniotic infection in an ovine model”

PhD. Thesis External Reviewer

Emma Sweeney, graduate student, Queensland University of Technology 2015

Brisbane, Australia

Ph.D. Thesis: “The characterisation of *Ureaplasma* species isolated from

the chorioamnion of women who deliver late preterm”

PhD. Thesis External Reviewer

**Pediatric Residents**:

## Michael Cinoman, M.D., third year research project 1990-1992

Effect of position on pulmonary mechanics in healthy premature newborns

Resident advisor and supervised research project

## Mary Beth Bollinger, D.O., third year research project 1992-1994

The role of IL-1 and IL-8 in neonatal lung inflammation

Resident advisor and supervised research project

## Jennifer Kaplan, M.D, third year research project 1998-2000

Characterization of a murine model of *Ureaplasma urealyticum* pneumonia

## Supervised research project and fostered her interest in neonatology

## Christopher Slocum, M.D. third year research project 2002-2003

## Supervised research project and fostered his interest in neonatology

## Naomi Tuefel Hughes, MD, third year research project 2004-2005

Rose Chasm, MD, third year research project 2004-2005

Association of Delivery Room Hypothermia and Adverse Outcomes in Extremely

Preterm Infants

Supervised research project, met every 2 months with residents

Nadeem Hashmi, M.D., third year research project 2004-2006

## Incidence of Invasive *Ureaplasma urealyticum* in Preterm Infants

Resident advisor and supervising research project

Hala Chabaan, M.D., research project 2010-2011

Risk factors for Tracheostomy in Preterm Infants

Resident advisor and supervising research project

Christina Cifra, M.D., research project 2008-2011

Perinatal Inflammatory & Clinical Risk Factors for Hearing Screen

Failure in VLBW Newborns

Resident advisor for longitudinal research project

Olga Charnaya, M.D., research project 2011-2013

Murine *Ureaplasma* intrauterine infection model: Effect on fetal brain development

Resident advisor for longitudinal research project

**Neonatology Fellows**:

Afsaneh Hesamfar, M.D. 1988-1989

Disordered pathways of fibrin turnover in lung lavage of premature infants with respiratory distress syndrome.

Fellow advisor and supervised research project

Homa Niknafs, M.D. 1990-1992

Effect of position on pulmonary mechanics in healthy premature newborns

Fellow advisor and supervised research project

Alka Bagchi, M.D. 1990-1993

Increased activity of interleukin-6 but not tumor necrosis factor- in lung lavage of premature infants is associated with the development of bronchopulmonary dysplasia

Fellow advisor and supervised research project.

## Suzanne Rindfleisch, D.O. 1991-1994

Potential role of interleukin-1 in the development of bronchopulmonary dysplasia

Fellow advisor and supervised research project.

Angela Patterson, M.D. 1994-1997

Role of *Ureaplasma urealyticum* in bronchopulmonary dysplasia

Fellow advisor and supervised research project.

Winston Manimtim, M.D. 1997-2000

*Ureaplasma urealyticum* modulates endotoxin-induced cytokine release by human monocytes derived from preterm and term newborns and adults

Fellow advisor and supervised research project.

Catherine Mahumuza, M.D. 1998-2001

Role of intrauterine infection in BPD

Fellow advisor and supervised research project.

Nadeem Hashmi, M.D. 2002-2004

## Incidence of Invasive *Ureaplasma urealyticum* in Preterm Infants

## Fellow advisor and supervising research project

Adora Wonodi, M.D. 2003-2004

Minority Supplement to NIH R01 “Determinants of *Ureaplasma*-mediated neonatal lung injury”

Supervised research project of the minority supplement.

Majeeda Kamaluddeen, M.D. 2004-2005

Role of Toll Like Receptors in *Ureaplasma* signaling

Fellow advisor and supervised research project.

Mobolaji Famuyide, M.D. 2005-2008

Role of Surfactant Protein A in pathogen clearance and limiting lung injury in neonatal *Ureaplasma* pneumonitis

Fellow advisor and supervisor of research project

Modupeola Akinola, M.D.

Role of TLR4 polymorphisms in risk for prematurity 2006-2008

## Fellow advisor and supervisor of research project

Olena Goddard, M.D.

Role of TLR signaling in *Ureaplasma*-mediated lung injury 2007-2010

Fellow advisor and supervisor of research project

Elias Abebe, M.D.

Azithromycin to prevent BPD in Ureaplasma-infected preterms: Single Dose PK Study

Fellow advisor and supervisor of research project 2009-2012

Chinazo Meniru, M.D.

Role of *Ureaplasma* species in NEC in VLBW infants 2011-2013

Fellow advisor and supervisor of research project

Luz Marcela Merchan, M.D. 2011-2014

Azithromycin to prevent BPD in Ureaplasma-infected preterms: Multi-Dose PK Study

Fellow advisor and supervisor of research project

Kemi Mascoll-Roberston, M.D. 2012-2014

Use of SpO2 histogram as objective tool for respiratory support wean readiness

Fellow advisor and supervisor of research project

Bushra Saleem, M.D.

Intestinal Permeability in Preterm Infants 2012-2015

Fellow advisor and supervisor of research project

Olayemi Ola, M.D.

Impact of PRBC Transfusion on Intestinal Barrier Function in Preterm Infants 2014-2017

Senior Fellow advisor and supervisor of research project

Christine Capriolo, D.O.

Next Generation Sequencing in Neonatal Sepsis Diagnosis 2016-2018

Senior Fellow advisor and supervisor of research project

Michael Kochan, M.D.

Structured Curriculum Versus Hands On Training on Use of Ultrasound 2017-2019

for Umbilical Catheters Placement in the NICU

Fellow advisor and supervisor of research project

GRANT SUPPORT:

**Current Funding**:

1U24 HL134763-01 (Terrin)

NIH NHLBI

PCTC Administrative Coordinating Center 09/2016-08/2023

Viscardi, R.M. co-PI (15% effort)

Direct Costs year 1: $394,558

Direct costs 7 years: $5,735, 894

1R01HD067126-01

NIH-NICHD

“Azithromycin to Prevent BPD in *Ureaplasma*-infected Preterms” 03/2011-02/2016

Viscardi, R.M. co-PI (20% effort) NCE 03/2016-02/2018

Direct Costs year 1: $521,121

Direct cost 5 yrs: $2,761,582

No Number (Viscardi) 11/07/2016-11/06/2019 CosmosID

“Next Generation Sequencing and Bioinformatics for Rapid and Accurate Detection of Neonatal Sepsis”

Direct Costs $10,000

Role: PI (no effort)

No number (Viscardi) 7/01/2017-6/30/2019

UMB-UMBC Research & Innovation Partnership Grant Program

“Non-invasive Glucose Monitoring System for the Neonatal Intensive Care Unit”

Viscardi, co-PI (no effort)

$30,000 UMB annual direct cost

$75,000 total annual direct cost

Pending Funding:

1 R01 HD091186-01A1 (Tolosa) 04/01/2018-03/31/2023 NIH/NICHD

Multidisciplinary approach towards a noninvasive neonatal transdermal glucose sensing system

Viscardi, R.M., (5% effort)

Direct Costs Year 1: $33,015

[1R43AI136173-01](https://public.era.nih.gov/grantfolder/piAppDetails/genericStatus.do?encryptedParam=EuxQCK1XCMA.1vejLaBVNQ5yW3vpdGzGgU77yALcCkhVDGaOP2Vqsvk.) (Hasan) 12/1/2017-11/30/2018 NIH/NIAID

"Next Generation Sequencing and Bioinformatics for Rapid and Accurate Detection of Neonatal Sepsis"

Viscardi, site PI

$33,883 sub direct annual costs

$100,000 Total direct annual costs

PO1 HL141064 (Keegan, overall PI) 4/1/2018-3/31/2023 NIH/NHLBI

“Alternatively activated (M2) macrophages: Role in virus-induced initiation and exacerbation of allergic airway disease”

“M2 macrophages: Link between preterm birth, respiratory viral infection, and allergic lung inflammation in children” (Viscardi, Project PI, 20% effort)

$400,000 Project

$1,600,900 Total annual direct cost P01

**Past Funding:**

1. No number

UM SOM Designated Research Initiative Fund Award

Viscardi, R.M., PI 7/1986-6/1987

$10,000

2. No number

American Lung Association Research Grant "Interaction of the Effects of Labor and Hormonal Stimulation of Cholinephosphate Cytidylyltransferase in Freshly Isolated Type II Pneumocytes"

Viscardi, PI 7/1987‑6/1989

Direct Costs 2 years: $35,000

3. No Number

Bressler Research Grant, UM SOM "The Effects of Insulin and Glucose Concentration on Cholinephosphate Cytidylyltransferase from Fetal Rat Alveolar Type II Cells"

Viscardi, R.M., PI 9/1987‑8/1989

Direct Costs: $27,500

4. No number

Doris N. and Sylvan Frieman Perinatology Research Fund - "Coagulation and Fibrinolysis Balance in Bronchoalveolar Lavage in Bronchopulmonary Dysplasia”

Viscardi, R.M., PI, 3/1989-6/1989

Direct Costs: $4,384

5. No number

UM SOM Special Research Initiative Support "Coagulation and Fibrinolysis Balance in Bronchoalveolar Lavage in Bronchopulmonary Dysplasia"

Viscardi, R.M., PI, 7/1989 ‑ 6/1990

Direct Costs: $10,000

6. No number

Bressler Research Grant, UM SOM "The effects of phospholipid fatty acid modification on cholinephosphate cytidylyltransferase activity in fetal and newborn rat type II pneumocytes",

Viscardi, R. M., PI, 9/1989‑8/1990

Direct Costs: $11,800

7. No number

UM SOM Special Research Initiative Support, "Social interaction in low SES black preterm infants and mothers",

Cusson, R., PI; Viscardi, R.M., Co-Investigator, 7/1990-6/1991

Direct Costs: $18,800

8. No number

UM SOM Special Research Initiative Support, Small Instrument Grant

Viscardi, R.M., PI, 8/1991

Direct Cost: $29,000

1. No number

UM SOM Special Research Initiative Support, "The relationship between mother-preterm interaction and attachment in low SES blacks"

Cusson, R., PI; Viscardi, R.M., Co-Investigator 7/1991-6/1992

Direct Costs: $13,300

1. Edward Livingston Trudeau Scholar Award

American Lung Association "Fatty Acid Modulation of Type II Cell Steroid Receptors"

Viscardi, R.M., PI 7/1990-6/1993

Direct Costs: $75,000

1. No number

Thomas Wilson Foundation, "Enhancing Parenting of Premature Infants

Cusson, R., PI; Viscardi, R.M., Co-Investigator 7/1992-6/1994

Direct Costs: $29,320

1. R29 HL44853

NIH‑NHBLI ‑ First Award, "Role of Nutrition in Lung Development"

Viscardi, R.M., PI 4/1991-3/1996

1 yr extension 4/1996-3/1997

Direct Costs: $350,000

1. No number

UM SOM Intramural Grant “ Role of Phosphatidylinositol Transfer Protein in Lung”

Viscardi, R.M., PI 7/1996-6/1997

Direct Costs: $15,000

1. No number

Amgen, Inc., “Study of Filgrastim (r-met HuG-CSF) in the treatment of late-onset neonatal sepsis”

Viscardi, R.M., PI 10/1996 -2/1998

Direct Costs: $112,500

1. No number

American Lung Association of Maryland Pilot Project “Role of interleukin-6 (IL-6) in the acute inflammation response to *Ureaplasma urealyticum”*

Viscardi, R.M., PI 7/1999-12/2000

Direct Costs: $10,000

1. No number

UM SOM Intramural Grant “Role of intrauterine infection in neonatal brain injury”

Viscardi, R.M., PI 9/1999-8/2001

Direct Costs: $15,000

1. R01 HL71113

NIH/NHLBI “Determinants of *Ureaplasma*-mediated neonatal lung injury”

Viscardi, R.M., PI 7/2002-6/2004

Direct Costs: $297,000

Minority Supplement (Adora Wonodi, M.D.) $46,000 7/2003-6/2004

1. R01 HD038982

NIH/NICHD, “Adult attachment and intervention efficacy with preterms”

Teti, D.M., PI, Viscardi, R.M., co-investigator 7/2001-6/2006

Direct Costs: $1,950,979

1. American Heart Association Award “Surfactant protein A deficiency facilitates *Ureaplasma*-mediated lung injury in BPD”,

Viscardi, R.M., PI 7/2004-6/2006

Direct Costs: $132,000

1. R01 HL069057NIH/NHLBI “Mechanisms of fever-enhanced hyperoxic lung injury”,

J.D. Hasday, PI,

R.M. Viscardi, co-investigator 3/2003-2/2007

## Direct Costs 4 years: $1,000,000

## R21HD056424 NIH NICHD “Azithromycin to Prevent BPD in *Ureaplasma*-infected Preterms: Single Dose PK”

## Viscardi, R.M., PI 9/2007-8/2010

## Direct Cost 2 yr period: $229,054; indirect costs: $118,572

Administrative supplement $65,000 9/2009-8/2010

1. R21HD054876-01A2 1/2009-12/2010

No-cost extension 1/2011-12/2011

NIH NICHD “Role of Intrauterine *Ureaplasma* infection in BPD pathogenesis”

Viscardi, R.M., PI (20% effort)

Direct Cost year 1: $150,000; indirect costs: $62,500

Direct Cost 2 yr period: $275,000; indirect costs: $125,000

23. R01 HL087166-01

### NIH NICHD “Role of TLR Signaling in *Ureaplasma*-mediated lung injury”

Viscardi, R.M., PI (30% effort) 2/2007-1/2012

Direct Costs year 1: $250,000; indirect costs: $105,730

Direct costs 5 yrs: $1,250,000; indirect costs: $1,828,605

24. [1R34AT006945-01](https://commons.era.nih.gov/commons/genericStatus.do?actionRole=nonPI&applID=8206095&uhf-token=XnJBEnhifyvW87CtDzjCwH2WK08%3D" \t "_blank)

NIH NCCAM

Effect of Lactobacillus GG on gut permeability and microbiome in VLBW neonates

Viscardi, R.M. co-PI (5% first year, 10% yrs 2 and 3) 09/2011-08/2014

Direct costs year 1: $100,000 NCE 07/2014-06/2015

Direct costs 3 years: $450,000

25. [1R41HD069207-01](https://commons.era.nih.gov/commons/genericStatus.do?actionRole=nonPI&applID=8144101&uhf-token=uJMmaDdxhx8%2BfnUW%2BOMeTJZEClQ%3D" \t "_blank)

NIH NICHD

“Noninvasive neonatal glucose monitor”

Viscardi, R.M., sub-contract co-PI (2% effort) 09/2011-08/2013

Direct costs year 1: $183,170 NCE 09/2013-08/2014

Direct costs 2 yrs: $448,982

1. R41HD072901-1 07/2012-06/2014

NIH NICHD “Non-invasive neonatal respiration monitor” NCE 07/2014-06/2015

Viscardi, R.M., sub-contract PI (3% effort)

Direct Costs year 1: $71,750; total costs: $106,190

Direct costs 2 years: $140.850; total costs: $193,658

1. No Number

The Gerber Foundation

“Identification of Microbial Biomarkers of Intestinal Function in Preterm Infants

Direct costs year 1: $100,000 07/2014-06/2016

Direct costs 2 years: $198,350

Viscardi, R.M. (co-PI)

1. No Number

American Heart Association Clinical Research Award 02/2014-01/2016

“Evaluating Hemodynamic Status in the Critically Ill Neonate Using Near-Infrared Spectroscopy”

Hoffman, S., PI

PUBLICATIONS:

Refereed Journal Articles:

1. **Viscardi, R.M.**, Shea, M., Sriwantanakul, K., McCormick, K.: Hyperthyroxinemia in newborns due to excess thyroxine‑binding globulin. N. Eng. J. Med. 309:897‑899, 1983. PubMed PMID: 6412142.

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Non-Refereed Journal Articles:

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1. **Viscardi, R.M.**, Fox, R.E.: Respiratory Distress Syndrome and Related Disorders, In Donn, S.M., Faix, R.G. (eds.) Neonatal Emergencies. Futura Publishing Co. Mount Kisco, NY, 1991; pp 253-267.

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12. **Viscardi, R.M**., Waites, K.B. *Ureaplasma Urealyticum* and *Ureaplasma Parvum*, In Schleiss, M. (ed) Congenital and Perinatal Infections. 2017

Presented Abstracts:

1. **Viscardi, R.M.** et al: Efficacy of theophylline for prevention of post extubation respiratory failure in very low birth weight infants (< 1250 gm). Accepted for oral presentation at Midwest Society for Pediatric Research, Chicago, IL, October, 1984. Clin. Res. 32:808A, 1984.
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1. "For Your Health Series: You and Your Baby", Channel 11, March 1989.

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2. "Prenatal Care", Milner-Fenwick, Timonium, MD, 1991.

Rose M. Viscardi, M.D., consultant.

3. "Preemie Talk: Understanding Your Premature Baby's Behavior" Produced by Regina Cusson, Ph.D. and Marsha DeWeese, University of Maryland School of Nursing Media Center, 1992.

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1. "Influenza Vaccination of High-Risk Children", Medical Minute on WBAL radio, 11/3/92.

5. “Caring for Kids Series”, WBAL Channel 11, 6/2/98, interviewed about premature infant developmental outcome.

6. “Caring for Kids Series”, WBAL Channel 11, 1/6/99, interviewed about feeding difficulties of preterm infants”

Invited Speeches/Conferences:

**Local**:

1. "Hormonal Regulation of Cholinephosphate Cytidylyltransferase", MD/PhD program seminar, UMAB, April, 1987.
2. "Topics in Neonatology", Dean's Conference, UMB, February 23, 1989.
3. "Developmental Outcome of Premature Infants", UMB, Dept. of Pediatrics Grand Rounds. March, 1989.
4. "Coping with Death", UMB, Behavioral Science Course, April 10, 1989.
5. "Fibrin Turnover in Lung Lavage of Infants with RDS", MD/PhD Program seminar, UMAB, May, 1990.
6. Fibrin Turnover in Lung Lavage with Infants of RDS", Combined Pulmonary Research Conference, Johns Hopkins Medical Center, Baltimore, MD, October 31, 1991.
7. "Transport conference reviews with community pediatricians and obstetricians, LaPlata, MD (1), Frederick, MD (3) 1988-1992.
8. "Shock and Asphyxia", UMAB, Neonatal Nurse Practitioner Graduate Program, February 15, 1994.
9. "Primary Care of the Pre-Term Infant", Maryland Chapter of the American Academy of Pediatrics Perinatal Conference, Greater Baltimore Medical Center, Baltimore, MD, March 19, 1994.
10. "Residual Medical Problems of the NICU graduate" UMB, Neonatal Nurse Practitioner Graduate Program, Baltimore, MD, September 14, 1994.
11. "The Investigator, the Patient and the Bedside Clinician", UMMS Pediatric Respiratory Care Symposium, Baltimore, MD, October 27, 1994.
12. "Nutritional Management of the Growing Premature Infant", UMB NNP Graduate Program, Baltimore, MD, November 16, 1994.
13. "Primary Care of the NICU Graduate", Department of Pediatrics Grand Rounds, St. Agnes Hospital, Baltimore, MD, March 24, 1995.
14. "Fluid and Electrolyte Management in the Preterm Infant", UMB, Neonatal Nurse Practitioner Program, Baltimore, MD, March 27, 1995.
15. "Shock and Asphyxia", UMB, Neonatal Nurse Practitioner Graduate Program, Baltimore, MD, March 29, 1995
16. "Surfactant", Lung Biology Series, UMAB, Division of Pulmonary and Critical Care, Department of Medicine, Baltimore, MD, April 11, 1995.
17. "Planning for NICU Discharge", UMB Neonatal Nurse Practitioner Graduate Program, Baltimore, MD, September 27, 1995.
18. "Nutritional Management of the Growing Premature Infant", UMB Neonatal Nurse Practitioner Graduate Program, Baltimore, MD, October 18, 1995.
19. "Medical and Developmental Needs of the NICU Graduate", Pediatric Grand Rounds, Sinai Hospital, Baltimore, MD, February 13, 1996.
20. "Developmental Outcome of Very Low Birth Weight Infants", Obstetrics/Gynecology Grand Rounds, Greater Baltimore Medical Center, Baltimore, MD, March 21, 1996.
21. “Developmental Regulation of Cholinephosphate Cytidylyltransferase in Alveolar Type II Cells”, Combined Pulmonary Research Conference, Johns Hopkins Medical Center, Baltimore, MD, April 4, 1996.
22. “Developmental Regulation of Cholinephosphate Cytidylyltransferase in the Lung”, Neonatology Research Seminar, UMMS, September 23, 1996.
23. “Caring for the Medical and Developmental Needs of the NICU Graduate”, workshop for annual meeting of the Maryland Chapter of the American Academy of Pediatrics, Baltimore, MD, October 5-6, 1996.
24. “Developmental Outcome of the Preterm Infant: A Practical Approach”, Mercy Medical Center Pediatric Grand Rounds, January 24, 1997.
25. “The Evolution of BPD in the Surfactant Era: New Insights”, Sinai Hospital Pediatric Grand Rounds, February 18, 1997.
26. “Shock and Asphyxia”, UMB Neonatal Nurse Practitioner Graduate Program, February 18, 1997.
27. “Role of *Ureaplasma urealyticum* in BPD”, John Hopkins School of Medicine, Pediatric Pulmonary Research conference, February 9, 1998.
28. “Role of *Ureaplasma urealyticum* in BPD”, University of Maryland School of Medicine, Pediatric Grand Rounds, April 7, 1998.
29. Maryland Thoracic Society Scientific Session, Baltimore, MD, February 22, 1999, moderator
30. “Shock and Asphyxia”, University of Maryland, Baltimore, Neonatal Nurse Practitioner Graduate Program, March 9, 1999
31. “Neurodevelopmental outcome of the SGA infant” Anne Arundel Medical Center’s Neonatal Conference, Annapolis, MD, April 22, 1999
32. “The role of intrauterine infection in neonatal brain injury” UMMS Obstetrics and Gynecology Grand Rounds, December 17, 1999
33. “The role of intrauterine infection in neonatal brain injury” UMMS Pediatrics Grand Rounds, February 24, 2000
34. “A Kinder, Gentler Approach to Ventilation in Preterm Newborns”, UMMS Neonatology State of the Art Series, July 19, 2000
35. Medical Care of the NICU Graduate” MD NAPNAP conference, Columbia, MD May 10, 2001
36. “Limits of Viability in the Premature Neonate” Maryland*Cares* 5th Annual Pediatric Conference, May 16, 2001
37. “Developmental Outcome of the Extremely Preterm Infant” Pediatric CME Conference, Frederick, MD, February 27, 2002
38. “Ethical decision-making in NICU” Bioethics course lecture, Mercy High School, November 4, 2002
39. “The interrelationship of pulmonary and neonatal brain injury in VLBW infants” Mercy Medical Center Department of Pediatrics Grand Rounds, January 3, 2003
40. Neurodevelopmental outcomes of the extremely low birth weight infant” Mercy Medical Center CME course “Managing your NICU graduate” March 26, 2004
41. “Morbidity and Mortality of ELGAN Infants” OB Grand Rounds, UMMS, December 17, 2004
42. “Role of TLR Signaling in Ureaplasma-mediated neonatal lung injury” University of Maryland Mucosal Biology Research Center Retreat, HSFII, June 12, 2006
43. “Understanding the Publication Process” University of Maryland School of Medicine Faculty Development Workshop MSTF auditorium, June 25, 2007
44. “Understanding the Publication Process” University of Maryland School of Medicine K12 program, MSTF auditorium, February 26, 2009
45. “Challenges of Neonatal Clinical Trials” Lecture PREV 803, University School of Medicine, Howard Hall, March 23, 2009
46. “Understanding the Publication Process” University of Maryland School of Medicine Faculty Development Series, BRB 14-007, April 23, 2009
47. “Role of *Ureaplasma* species in Neonatal Chronic Lung Disease: Epidemiologic and Experimental Evidence”, Hales Pulmonary Conference, University of Maryland School of Medicine, April 27, 2009
48. “Role of *Ureaplasma* species in Neonatal Chronic Lung Disease: Epidemiologic and Experimental Evidence”, City-Wide Neonatology Conference, Johns Hopkins Medical Center, October 7, 2009
49. “Academic Skills Day: Presenting Your Research”, University of Maryland School of Medicine, November 5, 2009
50. “Academic Skills Day: Publish, Don’t Perish” University of Maryland School of Medicine, March 2, 2010
51. “Academic Skills Day: Publish, Don’t Perish” University of Maryland School of Medicine, December 15, 2010
52. “Challenges of Neonatal Clinical Trials” Lecture PREV 803, University School of Medicine, Howard Hall, February 24, 2011
53. “Academic Skills Day: Publish, Don’t Perish” University of Maryland School of Medicine, October 12, 2012
54. “Role of Antenatal Infection in Pathogenesis of BPD and PHT: What is the Evidence? Mount Washington Pediatric Hospital Pulmonary Hypertension Symposium, Mount Washington Pediatric Hospital, Baltimore, MD June 19, 2012
55. “Role of Antenatal Infection in Pathogenesis of BPD and PHT: What is the Evidence? Pediatric Pulmonary Conference, Johns Hopkins Hospital, March 25, 2013
56. “Clinical Trials in Neonatology: A Personal Perspective” Lecture PREV 803, University School of Medicine, Howard Hall, March 26, 2013
57. “Scientific Communication” Introduction to Clinical Research Course, University School of Medicine, August 8, 2013
58. “Academic Skills Day: Publish, Don’t Perish” University of Maryland School of Medicine, October 1, 2013
59. “Revising Your Manuscript”, K Club Series, October 28, 2014
60. Publish Don’t Perish! How to Write and Publish a Biomedical Research Paper Workshop” January 22, 2015
61. "Intestinal Barrier Function Maturation in Preterm Infants: Relationship to Feeding, Antibiotic Exposure, and the Microbiome" Inflammatory Research Group, U. Maryland School of Medicine, HSFII, April 17, 2015
62. “Clinical Trials in Neonatology: A Personal Perspective” Lecture PREV 803 “Clinical Trials and Experimental Epidemiology” University School of Medicine, Howard Hall, May 7, 2015
63. “The Mentoring Relationship: Mentoring and Being Mentored”, Scientific Leadership and Professional Development Symposium, University School of Medicine, SMC, December 8, 2015
64. “Getting Your Paper Through the Publication Process” How to Write and Publish a Biomedical Research Paper Workshop, March 11, 2016

**National/International**:

1. Developmental Profile of Cholinephosphate Cytidylyltransferase", Neonatology Division, University of Connecticut Health Center, Farmington, CT, August 9, 1990.
2. "Fibrin Turnover in Lung Lavage of Infants at Risk for BPD" Mead Johnson Mid-Atlantic Neonatology Research Conference, Hershey, PA, October 6, 1991.
3. "Role of Fatty Acids in Lung Maturation", Symposium for 1994 Experimental Biology Meeting, Anaheim, CA, April 26, 1994.
4. "Role of Inflammatory Cytokines in the Development of BPD" University of Rochester School of Medicine, Rochester, NY, October 6, 1994.
5. "Role of Inflammatory Cytokines in Neonatal Lung Injury" New England Medical Center, Boston, MA, January, 1995
6. “Overview of BPD pathogenesis” in Symposia “Pathogenesis of BPD”, American Thoracic Society International Meeting, Toronto, Canada May 7, 2000
7. “Role of Inflammation in BPD” in Postgraduate Course “ Current understanding of the pathogenesis of BPD” American Thoracic Society International Meeting, San Francisco, CA May 19, 2001
8. “New insights in BPD pathogenesis” in Symposium “Is BPD preventable?” American Thoracic Society International Meeting, Atlanta, GA, May 21, 2002
9. The Interrelationship of Pulmonary and Neonatal Brain Injury in VLBW Infants: Role of Inflammation” The 14th Annual Neonatology Conference at Nemacolin, Farmington, PA, February 10, 2005
10. The role of inflammatory mediators in neonatal lung disease. Section of Perinatal Pediatrics Platform Session, 2005 National Conference and Exhibition, Washington, DC, October 9, 2005
11. “Where Does all the Animal Research Lead Us?” Neonatal Sepsis Club Meeting, Pediatric Academy Society Meeting, Honolulu, HI, May 4, 2008
12. “Role of *Ureaplasma* species in Neonatal Chronic Lung Disease: Epidemiologic and Experimental Evidence” Oregon National Primate Center, October 24, 2008
13. “The evidence for *Ureaplasma* species as pathogens in preterm infants” Annual Memorial Day lectureship, Columbia University, New York, NY, November 19, 2008
14. Preventing Prematurity: Establishing a Network for Innovation and Discovery”, conference sponsored by Burroughs Welcome Fund and March of Dimes, Dallas, TX, December 1-3, 2008
15. Azithromycin to prevent BPD in *Ureaplasma*-infected preterms: Single Dose PK Study. TINNS (Treat Infections in NeoNates Two) kick-off meeting, Paris, France, January 28, 2011
16. The Role of *Ureaplasma* Species in Neonatal Chronic Lung Disease: Evidence and Therapeutic Challenges, U. Alabama at Birmingham School of Medicine, Perinatal Grand Rounds, September 28, 2011
17. “Role of antenatal infection in BPD pathogenesis: What is the evidence?” Jerry Elliott Memorial Lecture, 33rd Greater New York Conference on Perinatal Research, Tarrytown, NY, November 3, 2011
18. “Ventilator-Associated Pneumonia” International Miami Conference, Miami, FL November 1, 2012
19. “Role of *Ureaplasma* in Neonatal Lung Disease” International Miami Conference, Miami, FL November 3, 2012
20. “Neonatal Clinical Trials (and Tribulations!)” NIH Pediatric Clinical Trials STEP Forum, National Institutes of Health, Bethesda, MD April 16, 2013
21. **“*Ureaplasma*: A Neonatal Pathogen?” in** Topic Symposium: Congenital Infections. Pediatric Academic Society Meeting, Vancouver, CA, May 3, 2014
22. “Evaluation of Population Pharmacokinetics, Pharmacodynamics, and Safety of Intravenous Azithromycin in Preterm Infants at Risk for *Ureaplasma* Respiratory Tract Infection”, Department of Pharmacology Seminar, Uniformed Services University Health System, Bethesda, MD, May 28, 2014
23. “*Ureaplasma* spp.: Neonatal Pathogens: Current Concepts and Update” University of Rochester, Rochester, NY. March 13, 2015.
24. “Adult Pulmonary Outcomes of Preterm Birth” University of Southern California, Los Angeles, CA, April 22, 2016.
25. “*Ureaplasma* spp.: Neonatal Pathogens: Current Concepts and Update” Los Angeles Children’s Hospital, Los Angeles, CA, November 9, 2016.
26. “Mycoplasma in BPD: Pathophysiology and Clinical Concepts” in Translational Impact of Research in Progress in BPD Symposium, Pediatric Academic Society Meeting, May 7, 2017