

CURRICULUM VITAE
RICHARD J. MARTIN, M.D.

REVISION DATE: JUNE 15, 2018

PLACE/DATE OF BIRTH Sydney, Australia
October 19, 1946

ADDRESS/TELEPHONE 5150 Three Village Drive, PHB-L
Lyndhurst, Ohio 44124
440-421-9007

MARITAL STATUS Wife - Patricia
Children - Scott, 1975; Sonya, 1979

EDUCATION

Degrees

1970 M.B.B.S., University of Sydney School of Medicine, Sydney, Australia
1975 Fellow, Royal College of Physicians and Surgeons of Canada
1977 Fellow, Royal Australasian College of Physicians

Training

1970-1971 Jr Resident Medical Officer, Royal North Shore Hospital of Sydney
1971-1972 Sr Resident Medical Officer, Royal North Shore Hospital of Sydney
1972-1973 Pediatric Resident, Univ of Missouri Medical Center, Columbia, MO
1973-1974 Chief Resident, Pediatrics, Univ Missouri Med Center, Columbia, MO
1974-1976 Neonatal Fellow, Dept Pediatrics, CWRU School of Medicine, Cleveland, OH

PROFESSIONAL APPOINTMENTS

1976-1977 Senior Instructor, Case Western Reserve Univ School of Medicine
1977-1983 Assistant Professor, Pediatrics, Case Western Reserve University School of Medicine
1983-1990 Associate Professor, Pediatrics, Case Western Reserve University School of Medicine
1984-1990 Associate Professor, OB/GYN, Reproductive Biology, CWRU School of Medicine
1985-1998 Co-Director, Div Neonatology, Dept Pediatrics, Rainbow Babies & Children's Hospital
1986 Award of Tenure, Case Western Reserve University School of Medicine
1990 Professor, Pediatrics, Case Western Reserve University School of Medicine
1990 Professor, OB/GYN, Reproductive Biology, CWRU School of Medicine
1998-2011 Director, Div Neonatology, Dept of Pediatrics, Rainbow Babies & Children's Hospital
1999 Professor, Physiology & Biophysics, Case Western Reserve Univ School of Medicine
2006-present Drusinsky-Fanaroff Professor in Neonatology [endowed chair, Rainbow Babies & Children's Hospital]
2009-2012 Interim Chief, Pediatric Cardiology, Rainbow Babies & Children's Hospital
2011-present Director, Neonatal Research, Rainbow Babies & Children's Hospital

HONORS AND AWARDS

The Best Doctors in America, 2nd & 3rd eds., Woodward/White, Inc., 1994-present
The Best Doctors in America, Midwest Region, 1996-present
Golden Stethoscope Award, Rainbow Babies & Children's Hospital's Pediatric Clinical Faculty, 2000
Captain's Chair in honor of 25 years of service, University Hospitals of Cleveland, 2000
America's Top Doctors, Castle Connolly Medical, Inc., 2001- present

HONORS AND AWARDS [cont'd]

American Academy of Pediatrics' Perinatal Section Education Award, 2012
Inaugural Annual Richard J. Martin, M.D. Endowed Lecture, Rainbow Babies & Children's Hosp, 2016
American Academy of Pediatrics, Perinatal Section's Virginia Apgar Award, 2017
"Legends in Neonatology" Award, NEO Conference, 2018
American Academy of Pediatrics, Perinatal Section's Mary Ellen Avery Research Award, 2018

LICENSURE AND CERTIFICATION

State of Missouri - FLEX 1973 [no longer current]
State of Ohio - 1976
N.S.W. [Australia] Medical Board
American Board of Pediatrics - 1976
American Board of Pediatrics - Sub-Board, Neonatal-Perinatal Medicine - 1977; recertified 2005

SOCIETY MEMBERSHIP [National/International]

American Physiological Society
Society for Pediatric Research [Since 1984]
American Thoracic Society
Fellow, American Academy of Pediatrics
American Pediatric Society [Since 1989]
Perinatal Research Society [Since 1989]
International Perinatal Collegium [Since 1997]

PROFESSIONAL SERVICE

National/International Committees/Editorial Boards

1984-1990	Editorial Board, <i>Journal of Pediatrics</i>
1984	Amer Lung Assn/American Thoracic Society Annual Meeting Program Committee
1986	Task Force on Transcutaneous Oxygen Monitors, Co-Sponsored by the American Academy of Pediatrics and FDA
1987-1988	Member, Mortality Review Board for Multicenter Surfactant Trial, Spon. by Ross Labs
1988-1990	Chairman, Mortality Review Board for Multicenter Surfactant Trial, Spon. by Ross Labs
1984-1989	Steering Committee, High Frequency Ventilation [HIFI] Study Group, Spon by NHLBI
1991-1994	Amer Acad of Pediatrics Awards for Excellence in Pediatric Research Committee
1991	Task Force for Management of Neonatal Meconium, Sponsored by American Academy of Pediatrics Pulmonary Subcommittee.
1991	Steering Committee, Natural history study of pediatric lung and heart complications of human immunodeficiency virus [HIV] infection, NHLBI
1992-1994	Planning Committee, Annual Apnea Conference, Annenberg Center, Palm Springs, CA
1992-1994	American Thoracic Society, Committee on Infant Respiratory Function
1991-present	Program Co-Director, Annual Mid-Atlantic Neonatology Conf, Spon by Mead Johnson
1995	Program Co-Chair, Annual Apnea Conference, Annenberg Center, Palm Springs, CA
1995-2000	Steering Committee, Collaborative Home Infant Monitor Evaluation [CHIME Study], NICHD
1999-2002	Council Member, Midwest Society for Pediatric Research
1999-2007	Editorial Board, <i>Journal of Applied Physiology</i>
2002-2005	Data Safety and Monitoring Board for the NIH-sponsored prospective randomized multicenter trial of amnioreduction vs selective fetoscopic laser photocoagulation [PI, Tim Crombleholme]
2004-present	Editorial Board, <i>Neonatology</i>
2004-present	Consultant, Neonatology Training Grant, St. Louis Children's Hospital
2004	Group Co-Chair, NICHD/FDA Newborn Drug Development Committee
2004-2010	Member, Sub-Board of Neonatal/Perinatal Medicine, American Board of Pediatrics

PROFESSIONAL SERVICE [cont'd]

National/International Committees/Editorial Boards [cont'd]

- 2006-present Editorial Board, *Acta Paediatr*
2008 Chair, Sub-Board, Neonatal/Perinatal Medicine, American Board of Pediatrics
2009-present Editorial Board, *Journal of Medical Association of Thailand*
2010-present Editorial Board, *Journal of Neonatal & Perinatal Medicine*
2010-2016 Chair, Observational Safety Monitoring Board, NHLBI-sponsored Prematurity and Respiratory Outcomes Program [PROP] Study Group
2012-present Editorial Board, *American Journal of Physiology - Lung Cell & Molec Physiology*
2013-2014 Advisory Board, Chiesi Pharmaceuticals
2014-present Chair, Data Safety Monitoring Board, Surfactant Inhalation Study, Discovery Labs [now Windtree Therapeutics]
2016-present Data Safety Monitoring Board, Automated Oxygenation Control [STAMINA] Trial, CareFusion

Review Groups [National]

- 1983-1985 American Lung Association/American Thoracic Society Component Committee on Research Review
1986 NIH Consultant and Site Visitor for Evaluation of Pediatric Specialized Center of Research [SCOR] Proposals
1988 NIH Consultant for Evaluation of Proposals for Clinical Centers for Pediatric Lung and Heart Complications of HIV Infection
1992 Chair, NIH Scientific Review Committee for Infant Sleep Research Centers
1999-2003 Permanent Member, Human Embryology and Development Study Section [1], Center for Scientific Review, National Institutes of Health
2006 NIH Ad Hoc Reviewer
2007 Review Committee, Sections of Neonatology and Pulmonary & Perinatal Biology, Cincinnati Children's Hospital
2009 External Reviewer, Neonatology Program, Le Bonheur Children's Hosp, Memphis, TN
2010 External Reviewer, Neonatology Program, Long Island Jewish Hospital @ North Shore, Long Island, NY
2012 External Reviewer, Neonatology Program, St. Christopher's Hospital for Children, Philadelphia, PA
2012 National Institutes of Health; Eunice Kennedy Shriver NICHD Special Emphasis Panel; Child Health Research Career Development Award [CHRCDA] Program

Review Groups [International]:

- 2002 Member, Clinical Investigation Grants Comm, Canadian Institutes of Hlth Res [CIHR]

SCHOOL, HOSPITAL AND UNIVERSITY COMMITTEES [Selected]

- Planning and Priorities Board of Rainbow Babies and Children's Hospital
Department of Pediatrics - Human Investigation Committee
Department of Pediatrics Division Cost Center Planning Committee
Faculty Senate Committee on Research, Case Western Reserve University
Department of Pediatrics, Research Strategic Planning Committee
Chair, Pediatric Gastroenterology Search Committee
Chair, Task Force for Cancer at Rainbow Babies & Children's Hospital
Chair, Department of Pediatrics' Appointment, Promotions & Tenure Committee [1994 - 1998]
Chair, Search Committee for Pediatric Cardiology Chief
Department of Pediatrics, Research Committee
Chair, Search Committee for Pediatric Hematology/Oncology Division Chief [2001- 03]
Department of Pediatrics, Academic Planning Committee

SCHOOL, HOSPITAL AND UNIVERSITY COMMITTEES [Selected] [cont'd]

Rainbow Babies & Children's Hospital's Leadership Council
Member, President's Advisory Committee, University Hospitals Case Medical Center, Cleveland, OH
Member, Committee on Appointments, Promotions & Tenure, Dept OB/GYN [2013-present]
Chair, Committee on Appointments, Promotions & Tenure, CWRU School of Medicine [2011-2012;
2017-present]

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS

International

- 1978 First International Symposium for Continuous Transcutaneous Blood Gas Monitoring, University of Marburg, West Germany
1979 Visiting Lecturer, King George V Hospital, University of Sydney, Australia
1981 Second International Symposium for Continuous Transcutaneous Blood Gas Monitoring, University of Zurich, Switzerland
1982 International Workshop on Blood Gas Sensor and Measurement Technology, Spon by NIH, MD
1985 Nobel Conference on Neurobiology of Control of Breathing, Karolinska Institute, Stockholm, Sweden
1985 Symposium on Neonatal Respiratory Care, Bahamas
1986 Third International Symposium for Continuous Transcutaneous Blood Gas Monitoring, University of Zurich, Switzerland
1988 Visiting Professor, Karolinska Institute, Stockholm, Sweden
1988 Guest Lecturer, City Hospital, Oslo, Norway
1989 Symposium on Noninvasive Monitoring in Respiratory Care, Ixtapa, Mexico
1990 Conference Co-chairman, Pediatric Respiratory Care, Sponsored by American Association for Respiratory Care in Cancun, Mexico
1991 Visiting Professor, National Institute of Perinatology, Mexico City, Mexico
1992 Invited participant, Symposium on Control of Breathing, Nancy, France
1994 Visiting Lecturer, Charles University, Prague, Czech Republic
1995 Visiting Lecturer/Consultant on Neonatal Respiratory Care, Mahosot Hosp & Reg Med Ctr, Laos
1996 Speaker, Perinatal Medicine Symposium, Cozumel, Mexico
1997 Speaker, International Perinatal Collegium, Quebec, Montreal, Canada
1998 Speaker, Pediatric Congress, São Paulo, Brasil, South America
1998 Visiting Lecturer, Khon Kaen University, Khon Kaen, Thailand
1999 Guest Lecturer, UK Hot Topics in Neonatology 99, Stakis, St. Anne's Manor, Wokingham, Berkshire, UK
1999 Speaker, International Perinatal Collegium, Villars, Switzerland
1999 Visiting Professor, Univ of Maastricht, Netherlands
2000 Visiting Lecturer, Conference on General Pediatrics, Jerusalem, Israel
2000 Visiting Lecturer, Neonatology Conference, Buenos Aires, Argentina
2000 Visiting Lecturer, 19th International Symposium on Neonatal Intensive Care, Milan, Italy
2001 Guest Lecturer, Neonatal Society of Thailand [Bangkok, Khon Kaen], and Laos
2002 Moderator/Speaker, International Pediatric Pulmonology Conference, Nice, France
2002 Visiting Professor, Universities of Turku and Oulu, Finland
2002 Lecturer, Children's Hospital #1, St. Petersburg, Russia
2002 Speaker, Neonatal Medicine Symposium, Würzburg, Germany
2003 Guest Speaker, 9th Italian Congress of Neonatology, Naples, Italy [5/21-24]
2003 Guest Speaker, Wenner Gren Foundations [International] Symposium on the Neurological Control of Breathing, Stockholm, Sweden [5/22-27]
2003 Invited Speaker, International Perinatal Collegium, Amboise, France [6/28-7/2]
2003 NeoPrep, American Academy of Pediatrics, Vancouver, Brit Columbia, Canada [9/8-14]

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

International [cont'd]

- 2003 Speaker, International Perinatal & Neonatal Symposium, Prague, Czech, Republic
- 2003 Guest Lecturer, ASEAN Congress of Pediatrics, Bangkok, Thailand, and Laos
- 2003 Speaker, Neonatal Symposium, University of Manitoba, Winnipeg, Manitoba, Canada
- 2004 Guest Speaker, Medical University of Innsbruck, Austria
- 2004 Guest Speaker, International Neonatal and Pediatric Intensive Care Symposium, Ulm, Germany
- 2004 Invited Speaker, European Society for Pediatric Research, Stockholm, Sweden
- 2004 Guest Lecturer, Uppsala University, Stockholm, Sweden
- 2005 Speaker, Annual Neonatal Conference, Middlesbrough, United Kingdom
- 2005 Speaker, International Workshop on Surfactant Replacement, Belfast, Northern Ireland
- 2005 Speaker, International Perinatal Collegium, Quebec, Canada
- 2006 Speaker, Congress of Asia-Oceania Perinatal Societies, Bangkok, Thailand
- 2007 Speaker, Neonatology Symposium, Salzburg, Austria
- 2007 Guest Lecturer, Canadian Pediatric Society, Montreal, Quebec, Canada
- 2007 Participant, International Perinatal Collegium, Stockholm, Sweden
- 2007 Visiting Lecturer, National Neonatology Forum of India, Pune, Jaipur & Hyderabad
- 2008 Neonatology Meeting, Siena, Italy
- 2008 Invited Speaker, Neonatology Conference, Milan, Italy
- 2008 Guest Speaker, European Society for Pediatric Research, Nice, France
- 2009 Keynote Speaker, 50th Year of the Neonatal Society, County Durham, England
- 2009 Invited Speaker, Neonatology Conference, Turkey
- 2010 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2010 Presentation in Oxygen Symposium, PAS Annual Meeting, Vancouver, BC, Canada
- 2010 Thorburn Visiting Professor, Australia [Hobart, Melbourne, Adelaide, & Perth]
- 2010 Invited Lecturer, European Society for Pediatric Research, Copenhagen, Denmark
- 2011 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2011 Invited Speaker, 4th International Neonatology Conference, Mansour University Children's Hospital, Alexandria, Egypt
- 2011 Invited Speaker, Advances and Challenges in Neonatology 2011, Lisbon, Portugal
- 2011 Invited Speaker, International Perinatal Collegium, Amalfi, Italy
- 2011 Speaker, XVIIth Meeting of the International Society for Arterial Chemoreception [ISAC], McMaster University, Hamilton, Ontario
- 2011 Invited Speaker, Neonatology Conference, Udine, Italy
- 2011 Invited Speaker, Recent Advances in Neonatal Medicine Conference, Würzburg, Germany
- 2012 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2012 Invited Speaker, Society of Neonatology, Taipei and Tainan, Taiwan
- 2012 27th International Workshop on Surfactant Replacement, Lisbon, Portugal
- 2012 Visiting Professor, Neonatal Society of Israel, Tel Aviv & Jerusalem, Israel
- 2012 Invited Speaker, Best of IPOKRATES: an Update in Neonatology, Leuven, Belgium
- 2012 Invited Speaker, Neonatology Conference, Stockholm, Sweden
- 2012 Guest Speaker, Neonatology Conference, Siena, Italy
- 2012 Invited Speaker, Neonatology Conference, Bologna, Italy
- 2013 Invited Speaker, International Conference on Clinical Neonatology, Turin, Italy
- 2013 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2013 Invited Speaker, International Perinatal Collegium, Banff, Alberta, Canada
- 2014 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2014 Speaker, International Neonatology Symposium, Porto Alegre, Brazil, SA
- 2014 Speaker, National Neonatology Congress, Antalya, Turkey
- 2014 Speaker, Neonatal Conference, Middlesbrough, UK
- 2014 Speaker, Neonatology Conference, Kosice, Slovakia

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

International [cont'd]

- 2014 Robert Usher Visiting Professor, McGill University, Montreal, Quebec, Canada
- 2014 Key Note Speaker, Miriam Katz-Salamon Memorial Lecture, PhD Opponent, Karolinska Institutet, Stockholm, Sweden
- 2014 Invited Speaker, Turku Neonatology Conference, Turku, Finland
- 2015 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2015 Invited Speaker, XVI Seminario Internacional: Avances in Pediatría Neonatal, Santiago, Chile
- 2015 Invited Speaker, Neonatology Conference, Svo Paulo, Brazil
- 2015 Guest Speaker, Neonatal Grand Rounds, University of Calgary, Cumming School of Medicine, Alberta, Calgary, Canada
- 2015 Guest Speaker, Malaysian Neonatology Society, Kuala Lumpur, Malaysia
- 2016 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2016 Invited Speaker, University of Singapore
- 2016 Visiting Professor, International Neonatology Conference, Shanghai, China [Kian & Chengdu]
- 2016 Invited Speaker, Salzburg Columbia Maternal & Infant Health Seminar, Salzburg, Austria
- 2016 Invited Speaker, The 2nd International Neonatology Association Conference, Vienna, Austria
- 2016 Speaker, Cool Topics in Neonatology, Melbourne, Australia
- 2017 Speaker, Laval University, Quebec City, Quebec, Canada
- 2017 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2017 Guest Speaker, Neonatology Conference, Antalya, Turkey
- 2017 Invited Speaker, Neonatology Conference, Middlesboro, UK
- 2017 Invited Speaker, International Perinatal Collegium, Edinburgh, Scotland
- 2017 Guest Speaker & Invited Professor, Hospital for Sick Children, Toronto, Ontario, Canada
- 2018 Co-Chair & Invited Speaker, International Neonatology Symposium, Bangkok, Thailand
- 2018 Invited Speaker, Neonatology Conference, Tokyo, Osaka & Nagoya, Japan
- 2018 Invited Speaker, 7th International Conference on Clinical Neonatology, Torino, Italy
- 2018 Guest Visiting Professor, Peruvian Neonatal Society, Lima, Peru, South America

National

- 1977 International Workshop on Transcutaneous Blood Gas Analysis, Cardiovascular Research Institute, University of California
- 1977 Visiting Lecturer, University of Missouri, Columbia, MO
- 1978 Neonatal Intensive Care Symposium, Richmond, IN
- 1979 Two-Day Teaching Seminar, Amer Acad of Pediatrics Annual Meeting, San Francisco, CA
- 1979 Annual Perinatal Symposium, Boise, ID
- 1979 Guest Lecturer, University of Illinois, Chicago, IL
- 1979 Sudden Infant Death Conference, Columbus, OH
- 1980 Respiratory Therapy Symposium, Birmingham, AL
- 1980 Ohio Chapter, American Academy of Pediatrics Annual Mtg, Mohican State Park, OH
- 1981 Annual Respiratory Care Seminar, All Children's Hospital, St. Petersburg, FL
- 1981 Visiting Lecturer, University of Southern California, Los Angeles, CA
- 1982 Respiratory Care Symposium, Rutgers Medical School, NJ
- 1983 FASEB Summer Research Conference: Neural Control of Respiration, Saxton's River, VT
- 1983 Visiting Professor, Children's Hospital Medical Center Conference, Cincinnati, OH
- 1984 Neonatal & Pediatric Respiratory Disease Conference, Univ South Florida Coll Med, Tampa, FL
- 1984 Symposium Chair, Bronchopulmonary Dysplasia. Am Thoracic Soc Ann Mtg, Miami Beach, FL
- 1984 Visiting Lecturer, Indiana University, Indianapolis, IN
- 1984 One-Day Teaching Seminar, Amer Acad of Pediatrics, Annual Fall Meeting, Chicago, IL
- 1984 Speaker, Neonatal/Perinatal Monitoring Conference, Columbus Children's Hospital, Ohio State University, Columbus, OH
- 1984 Visiting Lecturer, University of Southern California, Los Angeles, CA

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

National [cont'd]

- 1985 One-Day Teaching Seminar, AAP, Annual Fall Meeting, San Antonio, TX
- 1985 Symposium on the Fetus and Newborn, San Diego, CA
- 1986 Symposium on the Fetus and Newborn, San Diego, CA
- 1986 NIH Workshop Participant: Respiratory Disorders of Sleep, Bethesda, MD
- 1986 Visiting Lecturer/Consultant, Albert Einstein College of Medicine, Yeshiva University, NY
- 1986 Speaker, American Association for Respiratory Care Annual Meeting, Dallas, TX
- 1986 American Academy of Pediatrics Seminar: Controversies on Transcutaneous Monitors, Washington, DC
- 1987 Visiting Professor, Baylor University, Department of Pediatrics, Houston, TX
- 1987 Scientific Program Moderator, Annual Meeting, American Thoracic Society, New Orleans, LA
- 1987 Speaker, Neonatal and Infant Respiratory Symposium, Sponsored by Dept Anesthesiology, Ohio State University in Vail, CO
- 1988 Scientific Program Moderator [Neonatology], Soc Pediatr Res Ann Mtg, Washington, DC
- 1988 Visiting Professor, Medical College of Wisconsin, Milwaukee, WI
- 1988 Symposium on the Fetus and Newborn, Washington, DC
- 1988 Speaker, University of Miami Newborn Symposium, Miami, FL
- 1989 Speaker, Seventh Conference on Apnea of Infancy, Palm Springs, CA
- 1989 Speaker, Ross Conference on Pediatric Research, "The Micropremie: The Next Frontier", Carefree, AZ
- 1989 Visiting Professor, University of Indiana and Indiana State Board of Health, Indianapolis, IN
- 1989 Symposium on Perinatal Medicine, Colorado Springs, CO
- 1990 Visiting Professor, St. Louis University School of Medicine, St. Louis, MO
- 1990 Speaker/Moderator, Mead Johnson Nutritionals Great Lakes Conf, Perinatal Res, Chicago, IL
- 1990 Visiting Professor, Oakland Children's Hospital, Oakland, CA
- 1990 Symposium on the Fetus and Newborn, Washington, DC
- 1991 Speaker, First Annual Mid-Atlantic Neonatology Conference, Sponsored by Mead Johnson, Somerset, PA
- 1991 Symposium on the Fetus and Newborn, San Diego, CA
- 1991 Two-Day Teaching Seminar, American Academy of Pediatrics Ann Meeting, New Orleans, LA
- 1991 Symposium on Perinatal and Developmental Medicine, Marco Island, FL
- 1992 Guest Speaker, Tenth Conference on Apnea of Infancy, Palm Springs, CA
- 1992 Participant, Nat'l Conf -Cardiopulmonary Resuscitation & Emergency Cardiac Care, Dallas, TX
- 1992 Guest Speaker, Perinatal Conference, Savannah, GA
- 1992 Conference Co-Chair, Second Annual Mid-Atlantic Neonatal Conference, Sponsored by Mead Johnson, Somerset, PA
- 1992 Symposium on the Fetus and Newborn, Washington, DC
- 1993 Speaker [Plenary Address & Teaching Seminar], AAP Annual Spring Meeting, Chicago, IL
- 1993 Speaker, International Symposium on Ventral Brainstem Mechanisms, Washington, D.C.
- 1993 Speaker/Moderator, American Thoracic Society, Pulmonary Function Symposium, San Francisco, CA
- 1993 Speaker, American Thoracic Society Annual Meeting, Symposium on Development of Respiratory Muscle Function, San Francisco, CA
- 1993 Guest Speaker, Neonatal Transport Conference, St. Petersburg, FL
- 1993 Guest Speaker, Tufts University Forum, Boston, MA
- 1993 Co-Chair/Speaker/Moderator, Third Annual Mid-Atlantic Conference Perinatal Research, sponsor: Mead Johnson, Hershey, PA
- 1993 Symposium on the Fetus and Newborn, San Diego, CA
- 1994 Speaker, SE Conference on Perinatal Research, Islamorada, FL

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

National [cont'd]

- 1994 Speaker, State of the Art International Workshop on Early Childhood Asthma, Salem, MA
- 1994 Symposium on the Fetus and Newborn, New Orleans, LA
- 1994 Co-Chair, Fourth Annual Mid-Atlantic Conference Perinatal Research, sponsor: Mead Johnson, Hershey, PA
- 1994 Visiting Lecturer, Saint Vincent Health Center, Erie, PA
- 1995 Symposium on the Fetus and Newborn, San Diego, CA
- 1995 Visiting Lecturer, Children's Hospital, Columbus, OH
- 1996 Visiting Professor, Bay State Medical Center, Springfield, MA
- 1996 Speaker, NHLBI Workshop: Effects of growth and development in lung function: Models for study of childhood asthma, Rockville, MD
- 1996 Symposium on the Fetus and Newborn, Washington, DC
- 1997 Symposium on the Fetus and Newborn, San Diego CA
- 1997 Moderator, Scientific Session on Bronchopulmonary Dysplasia, American Thoracic Society Annual Meeting, San Francisco, CA
- 1998 Program Co-Director and Speaker, Neonatology Conference at Nemaocolin Woodlands Resort, PA
- 1998 Visiting Professor, University of Miami School of Medicine, Miami, FL
- 1998 Conference on Fetus & Newborn, Washington, DC
- 1998 Speaker, Symposium on Respiratory Control, American Thoracic Soc Annual Mtg, Chicago, IL
- 1999 Program Co-Director and Speaker, Neonatology Conference at Nemaocolin Woodlands Resort, PA
- 1999 Speaker, New York Regional Perinatal Conference, Mt. Sinai Medical Center, New York, NY
- 1999 Visiting Professor, Columbia Presbyterian Medical Center, New York, NY
- 1999 Session Moderator, Society for Pediatric Research Annual Meeting, San Francisco, CA
- 1999 Speaker, Conference on Fetus & Newborn, San Diego, CA
- 1999 Visiting Professor, The Kristine Sandberg Knisely Award Lecture, Children's Hospital of Philadelphia, Philadelphia, PA
- 1999 Moderator/Speaker, Hot Topics, Washington, DC
- 2000 Session Moderator, Society for Pediatric Research, Boston, MA
- 2000 Moderator, Hot Topics, Washington, DC
- 2001 Program Co-Director & Speaker, Neonatology Conference at Nemaocolin Woodlands Resort, PA
- 2001 Visiting Prof, Dr. Margaret I. Handy Ann. Memorial Lecture, duPont Hospital, Wilmington, DE
- 2001 Visiting Professor, Boston Children's Hospital, Boston, MA
- 2001 Session Moderator, Pediatric Academic Societies Annual Meeting, Baltimore, MD
- 2001 Speaker, American Thoracic Society Annual Meeting, San Francisco, CA
- 2001 Harry Dweck Memorial Lecturer, Perinatal Day Symposium, Northern Westchester Hosp Ctr, Mt. Kisco, NY
- 2001 Speaker, International Perinatal Collegium, Marco Island, FL
- 2001 Speaker, Conference on Fetus and Newborn, San Diego, CA
- 2001 Invited Discussant, Hot Topics Conference, Washington, DC
- 2002 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2002 Speaker, Grand Rounds, Weill Medical College of Cornell University, New York, NY
- 2002 Invited Speaker, Perinatal Section, American Academy of Pediatrics Annual Mtg, Boston, MA
- 2002 Program Moderator, Pediatric Academic Societies Annual Meeting, Baltimore, MD
- 2002 Invited Speaker, Howard University Department of Physiology, Washington, DC
- 2002 Guest Speaker, Pittsburgh Neonatology Society Meeting, Pittsburgh, PA
- 2002 Lecturer, International Neonatology Conference, University of Miami, Miami, FL
- 2003 Visiting Professor, Columbia University, New York, NY
- 2003 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2003 Invited Speaker, Columbus Children's Hospital, Columbus, OH [3/27]

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

National [cont'd]

- 2003 Program Moderator, Pediatric Academic Societies Annual Meeting, Seattle, WA
- 2003 Speaker, Fetus & Newborn Conference, New Orleans, LA
- 2003 Speaker, Neonatology Review Program, University of Illinois, Chicago, IL
- 2004 Guest Lecturer, Pediatric Grand Rounds, St. Louis Children's Hospital, St. Louis, MO [1/8-9]
- 2004 Visiting Professor, Pediatric Grand Rounds, Emory University, Atlanta, GA
- 2004 Guest Speaker, Symposium for Neonatology Trainees, Aspen, CO
- 2004 Invited Speaker, Northwestern University & Evanston Hospital, Evanston, IL
- 2004 Keynote Speaker, Lung Club, Pediatric Academic Societies' Annual Meeting, San Francisco, CA
- 2004 Speaker, Fetus & Newborn Conference, La Jolla, CA
- 2004 Visiting Professor, Vanderbilt University, Nashville, TN
- 2005 Guest Speaker, Neonatology Conference, Baylor University, Houston, TX
- 2005 Program Co-Chair & Speaker, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2005 Poster Facilitator, Annual PAS Meeting, Washington, DC
- 2005 Invited Speaker, "Special Seminar", Howard University, Washington, DC
- 2005 Invited Speaker, Hot Topics in Neonatology, Washington, DC
- 2005 Invited Lecturer, Children's Hospital of Philadelphia, Philadelphia, PA
- 2005 Regional Neonatology Meeting, Chicago, IL
- 2005 Regional Neonatology Conference, Phoenix, AZ
- 2005 Speaker, Fetus & Newborn Conference, Boston, MA
- 2006 Visiting Professor, Loma Linda University Medical Center, Loma Linda, CA
- 2006 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2006 Visiting Speaker, University of Cincinnati Annual Conference, Cincinnati, OH
- 2006 Keynote Speaker, N Carolina Neonatal Assn Annual Meeting, Durham, NC
- 2006 Moderator, Hot Topics in Neonatology, Washington, DC
- 2006 Grand Rounds, Tufts/New England Medical Center, Boston, MA
- 2007 Speaker, 25th Annual Conference - Sleep Disorders in Infancy & Childhood, Rancho Mirage, CA
- 2007 Grand Rounds, Children's Hospital of San Diego, San Diego, CA
- 2007 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2007 Grand Rounds, Rady Children's Hospital, UCSD, San Diego, CA
- 2007 Grand Rounds, Mattel Children's Hospital, UCLA, Los Angeles, CA
- 2007 Speaker, Neonatology Conference, Emory University, Atlanta, GA
- 2007 Visiting Professor, University of California, San Francisco, San Francisco, CA
- 2007 Guest Speaker, Conference on Fetus & Newborn, Orlando, FL
- 2007 Moderator, Hot Topics in Neonatology Conference, Washington, DC
- 2008 Grand Rounds, University of Wisconsin Medical Center, Madison, WI
- 2008 Grand Rounds, Medical College of Wisconsin, Milwaukee, WI
- 2008 Perinatal Conference, Aspen, CO
- 2008 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2008 Guest Speaker, National Neonatal Nurses Assn Meeting, Washington, DC
- 2009 Guest Speaker, Southeastern Conference on Perinatal Research, Key Largo, FL
- 2009 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2009 Guest Speaker, 14th Annual Arnold J. Rudolph Memorial Grand Rounds, Houston, TX
- 2009 Speaker, International Perinatal Collegium, Providence, RI
- 2009 Grand Rounds, Kansas City
- 2009 Invited Discussant, Hot Topics in Neonatology, Washington, DC
- 2010 Invited Speaker, Neo-The Conference for Neonatology, Orlando, FL
- 2010 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2010 Speaker, Pediatric Leadership Meeting, Las Vegas, NV
- 2010 Moderator, Annual PAS Meeting, Vancouver, BC, Canada

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

National [cont'd]

- 2010 Speaker, Mayo Clinic, Rochester, MN
- 2010 Keynote Speaker, Translational Research Meeting, Summer Retreat, Dept Comparative Physiology, University of Wisconsin, Kemp Station, WI
- 2010 Invited Speaker, New Concepts in Neonatal Intensive Care - A Collaborative Conference, Columbia Univ, NY
- 2010 Moderator, Midwest Society for Pediatric Research Annual Meeting, Iowa City, IA
- 2010 Invited Discussant, Hot Topics in Neonatology, Washington, DC
- 2011 Grand Rounds, Columbia University, New York
- 2011 Program Co-Chair/Moderator, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2011 Invited Speaker, Experimental Biology 2011 Respiration Section Symposium, Washington, DC
- 2011 Moderator, PAS Annual Meeting, Denver, CO
- 2011 Invited Faculty, Vermont Oxford Network iNICQ Internet Series, Vermont Oxford Webex
- 2011 Invited Faculty, Experimental Biology Conference, Washington, DC
- 2011 Invited Lecturer, Wyss Institute, Boston, MA
- 2011 Speaker, AAP/NCE Meeting, Boston, MA
- 2011 Grand Rounds, University of Kentucky
- 2011 Invited Speaker, 5th Annual Neonatology Conference, "Current Concepts and Footsteps for the Future", Scott & White Hospital, Temple, Texas
- 2011 Invited Speaker, From Controversy to Standard of Care: Emerging Treatment Strategies in the High Risk Neonate, Kansas City, MO
- 2011 Invited Faculty, Fetus & Newborn Conference, Las Vegas, NV
- 2011 Speaker, Advocate Christ Medical Center Conference, Chicago, IL
- 2011 Invited Speaker, AAP/NCE Annual Meeting, Perinatal Pediatrics & Pediatric Pulmonology Joint Section Program, Boston, MA
- 2011 Babson Lecturer, 14th Annual Babson Lecture, Portland, OR
- 2012 Invited Speaker, Mid-South Seminar on the Care of the Complex Newborn, Le Bonheur Children's Hospital and the University of Tennessee Health Science Center, Memphis, TN
- 2012 Program Co-Chair/Moderator, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2012 Southeastern Association of Neonatologists' 26th Annual Conference, Marco Island, FL
- 2012 MidAtlantic Neonatology Associates' 5th Annual NeoForum 2012, Bedminster Township, NJ
- 2012 Invited Speaker, Pediatric Conference, Dept Pediatric & Adolescent Medicine, Mayo Clinic, Rochester, MN
- 2012 Invited Discussant, Hot Topics in Neonatology, Washington, D.C.
- 2012 Grand Rounds, Columbia University, New York, NY
- 2012 Grand Rounds, University of Kentucky, Lexington, KY
- 2013 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2013 Grand Rounds, Texas Children's Hospital, Baylor College of Medicine, Houston, TX
- 2013 Invited Speaker, Experimental Biology 2013, Boston, MA
- 2013 Sophie Womack Invited Lecturer, Children's Hospital of Michigan, Detroit, MI
- 2013 Invited Speaker, Experimental Biology Meeting, Boston, MA
- 2013 Invited Speaker, ATS Annual Meeting, Philadelphia, PA
- 2013 Moderator, Lung Club, PAS Annual Meeting, Washington, DC
- 2013 Grand Rounds, Beaumont Hospital/Oakland College of Medicine, Royal Oak, MI
- 2013 Invited Speaker, The Conference for Neonatology, Orlando, FL
- 2013 Grand Rounds, University of Virginia, Charlottesville, VA
- 2013 Invited Speaker, Hot Topics in Neonatology, Washington, DC
- 2014 Grand Rounds/Research Conference Speaker, Columbia University, New York, NY
- 2014 Program Co-Chair/Moderator, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2014 Invited Speaker, Dialogues in Neonatal-Perinatal Medicine, Duke Children's Hospital & Health Center, Durham, NC
- 2014 Speaker, AAP Perinatal Workshop, Scottsdale, AZ

SCIENTIFIC AND EDUCATIONAL PRESENTATIONS [cont'd]

National [cont'd]

- 2014 Invited Speaker, Fellow Luncheon, University of Maryland School of Medicine, Baltimore, MD
- 2014 Guest Speaker, Donald L. Thurston Memorial Lecture, Washington University, St. Louis, MO
- 2014 Invited Speaker, Cardiorespiratory Trainee Symposium, Chicago, IL
- 2015 Grand Rounds Speaker, Brigham & Women's Hospital, Boston, MA
- 2015 Keynote Speaker, Townsend Teaching Day, Rochester General Hospital, Rochester, NY
- 2015 Invited Speaker, Advancement in Child Health Honoring Dr. Barbara J. Stoll, Emory University, Atlanta, GA
- 2015 Guest Faculty, SAN 29th Annual Conference, Marco Island, FL
- 2015 Grand Rounds Speaker, University of Missouri, Columbia, MO
- 2015 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2016 Keynote Speaker, Neonatology Joint Fellows' Conference, Loma Linda Univ, Loma Linda, CA
- 2016 Invited Faculty, NeoPREP, Atlanta, GA
- 2016 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2016 Invited Speaker, Pediatric Academic Societies, Baltimore, MD
- 2016 Fellows' Meeting, Midwest Society for Pediatric Research, Chicago, IL
- 2016 Speaker, SWAN Conference, Temple, TX
- 2016 Invited Discussant, Hot Topics in Neonatology, Washington, DC
- 2017 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2017 Invited Speaker, Hot Topics in Neonatology, Washington, DC
- 2017 Grand Rounds, University of Kentucky, Lexington, KY
- 2018 Invited Speaker & Honoree, NEO Conference & Legends in Neonatology, Orlando, FL
- 2018 Program Co-Chair, Mid-Atlantic Neonatology Conference, Nemaocolin, PA
- 2018 Joseph Butterfield Guest Lecturer, Perinatal Practice, Scottsdale, AZ

Local

1977-Present

Regional Grand Rounds & Teaching Seminars, Cleveland and Northeast Ohio

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2. Martin RJ, Nearman HS, Katona PG, Klaus MH: The effect of a low continuous positive airway pressure on the reflex control of respiration in the preterm infant. *J Pediatr* 90:976-981, 1977.
3. Katona PG, Durand D, Stern K, Fleming P, Martin RJ: Micro-processor-memory for cardiopulmonary monitoring of high-risk infants. *IEEE Transaction on Biomedical Engineering BME* 24:536-538, 1977.
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6. Martin RJ, Okken A, Rubin D: Arterial oxygen tension during active and quiet sleep in the normal neonate. *J Pediatr* 94:271-274, 1979.

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19. Carlo WA, Martin RJ, Bruce EN, Strohl KP, Fanaroff AA: Alae nasi activation [nasal flaring] decreases nasal resistance in preterm infants. *Pediatrics* 72:338-343, 1983.
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21. Carlo WA, Chatburn RL, Martin RJ, Lough MD, Shivpuri CR, Anderson JV, Fanaroff AA: Decrease in airway pressures during high frequency jet ventilation in infants with respiratory distress syndrome. *J Pediatr* 104:101-107, 1983.

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23. Paludetto R, Robertson SS, Hack M, Shivpuri S, Martin R: Transcutaneous oxygen tension during non-nutritive sucking in preterm infants. *Pediatrics* 74:539-542, 1984.
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25. Miller MJ, Carlo WA, Martin RJ: Continuous positive airway pressure selectively reduces obstructive apnea in preterm infants. *J Pediatr* 106:91-94, 1985.
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ABSTRACTS - Available upon request

MAJOR RESEARCH AWARDS AND GRANTS

Rainbow Research Award, 1977

Project Title: CPAP for apnea of prematurity

Rainbow Research Award, 1978

Project Title: Control of respiration in infants

American Lung Association, 1978-1980

Project Title: Maturation of respiratory control

NIH Training Grant, 1978-1983

Project Title: Neonatal respiratory research training grant

Principal Investigator: Avroy Fanaroff, M.D.

Role: Co-Director of program

Renewal 1983-1988

Northern Ohio Lung Association, 1981

Project Title: Maturation of chest wall movements in preterm infants

Radiometer Corporation Research Awards, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989

Project Title: Transcutaneous blood gas monitoring

NIH Program Project Grant, 1981-1986

Project Title: Control of respiratory skeletal and smooth muscle

Principal Investigator: Neil Cherniack, M.D. [overall project]

Role: Principal Investigator

Budget: \$297,456 for 5 years [neonatal projects]

NIH Contract, 1984-1989

Project Title: Collaborative clinical trial of high frequency ventilation in premature infants

Role: Principal Investigator

Budget: \$306,294 for 3 years

NIH Program Project Grant, 1986-1991

Project Title: Control of respiratory skeletal and smooth muscle

Principal Investigator: Neil Cherniack, M.D. [overall project]

Role: Principal Investigator [Richard J. Martin]

Budget: \$550,994 for 5 years [neonatal projects]

NIH Grant [R01], 1989-1994

Project Title: Pharyngeal resistance in sleeping premature infants

Principal Investigator: Martha J. Miller, Ph.D., M.D.

Role: Co-investigator [15% support]

Budget: \$419,136 for 5 years

NIH Program Project Grant, 1991-1996

Project Title: Maturation of neurochemical mechanisms that regulate lower airway function

Principal Investigator: Nanduri Prabhakar, M.D. [overall project]

Role: Principal Investigator [25% support]

Budget: \$604,000 for 5 years [neonatal projects]

MAJOR RESEARCH AWARDS AND GRANTS [cont'd]

NIH Contract, 1989-1998

Project Title: Clinical Coordinating Center for a Natural History Study of Pediatric Lung and Heart Complications of Human Immunodeficiency Virus [HIV] Infection.

Project Director: Mark Schluchter, M.D., Cleveland Clinic Foundation

Role: Investigator [7% support]

Budget: Approximately \$3,000,000

NIH Grant, 1996-2000 [R01 HL56470]

Project Title: Neural Regulation of Airways during Postnatal Maturation

Principal Investigator: Richard J. Martin, M.D.

Role: Principal Investigator [25% support]

Budget: \$792,745

NIH Grant, 1991-1999

Project Title: Event Recordings of High Risk Infants on Apnea Monitors

Principal Investigator: Terry M. Baird, M.D.

Role: Co-Principal Investigator [10% support]

Budget: \$2,625,000

NIH Grant, 1998-2003 [R01 HL60957-01]

Project Title: Epidemiology of Sleep-Disordered Breathing in Children

Principal Investigator: Susan Redline, M.D.

Role: Investigator [5%]

Budget: \$1,782,042 [Total]

NIH Grant, 2000-2007

Project Title: Inhaled Nitric Oxide in Prevention of Chronic Lung Disease

Principal Investigator: Roberta A. Ballard, M.D.

Role: Cleveland Site Principal Investigator [10%]

Budget: \$150,000 per annum, Cleveland site

NIH Grant, 2000-2007 [R01]

Project Title: Maturation of Airway Relaxant Responses

Principal Investigator: Richard J. Martin, M.D.

Budget: \$2,137,834 [Direct, 5 years]

NHLBI Grant, 1999-2009 [R01]

Project Title: Developmental Regulation of Hypercapnic Responses

Principal Investigator: Richard J. Martin, M.D.

Budget: \$2,036,000 [Direct, 5 years]

NHLBI Grant, 2005-2009 [R01]

Project Title: Airway-Central Nervous System Control

Principal Investigator: Richard J. Martin [since 10/07]

Budget: \$800,000 [Direct, 5 years]

MAJOR RESEARCH AWARDS AND GRANTS [cont'd]

NHLBI Grant, 2009-2012 [R01]

Project Title: Neonatal Modulation of Airway Contractility

Principal Investigator: Richard J. Martin, M.D.

Budget: \$1,022,000 [Direct, 2 years]

NHLBI Grant, 2010-2012 [R21] [1R21HL098628-01A1]

Project Title: Cytokines and Neonatal Respiratory Control

Principal Investigator: Richard J. Martin, M.D.

Budget:

NICHD Grant, 2009-2014 [T32]

Project Title: Training in Neonatal Research

Principal Investigator: Richard J. Martin, M.D.

Budget: \$1,215,000 [Direct, 5 years]

NHLBI Grant, 2012-2016 [R01 HL 056470-13]

Project Title: Neonatal Modulation of Airway Contractility

Principal Investigators: YS Prakash, M.D., Ph.D., Mayo Clinic site/Richard J. Martin, M.D., Case site

Budget: \$1,500,000 [Direct, 5 years]

NICHD Grant, 2014-2016 [R03 HD 078528]

Project Title: Patterns of Hypoxia and Mortality in the SUPPORT Trial Cohort

Principal Investigator: Richard J. Martin, M.D.

Budget: \$100,000

NICHD Grant, 2014-2019 [T32 HD 060537]

Project Title: Training in Neonatal Research

Principal Investigator: Richard J. Martin, M.D.

Budget: \$1,050,000 [Direct, 5 years]

NHLBI Grant, 2016-2021 [RFA U01 HL 133643-01]

Project Title: Association between Intermittent Hypoxia and Later Respiratory Morbidity [PreVent]

Multiple Principal Investigators: Anna Maria Hibbs, M.D., M.S.C.E., Richard J Martin, M.D.

Budget: \$1,558,515.00 [Direct, 5 years]

NHLBI Grant, 2016-2021 [R01 HL 056470-13]

Project Title: Neonatal Modulation of Airway Contractility

Principal Investigators: YS Prakash, M.D., Ph.D., Mayo Clinic site/Richard J. Martin, M.D., Case site

Budget: \$566,680.00 [Direct, 5 years - Case site]

NHLBI Grant, 2017-2022 [R01 HL138402-01]

Project Title: Understanding CPAP Effects in the Developing Airway

Principal Investigator: Peter M. MacFarlane, Ph.D.

Co-Investigator: Richard J. Martin, M.D.

Budget: \$2,306,566 [Direct, 5 years]