

BIOGRAPHICAL AND BIBLIOGRAPHIC INFORMATION

(Last updated: 10/27/16)



A. Identifying data:

Name: Ronald L. Ariagno, M.D.

A handwritten signature in black ink, appearing to read "Ronald L. Ariagno".

Professor Emeritus, Pediatrics

Work Address: Stanford University School of Medicine
750 Welch Road, Suite 315
Palo Alto, CA 94304-1510
650 723-5711 (O)
650 725-8351 (FAX)

Home: 955 Woodland Avenue
Menlo Park, CA 94025-2844
650 269-3964 (C)

B. Academic History:

Education

1960-1964 BS Lewis University, Romeoville, IL (Biology and Chemistry)

1964-1968 MD University of Illinois College of Medicine

Postgraduate Training

1968-1969 Straight Pediatric Internship,
Presbyterian-St. Luke Hospital, Chicago, IL

1969-1971 Pediatric Residency,
Presbyterian-St. Luke Hospital, Chicago, IL

1973-1975 Post-doctoral Research Fellowship at Cardiovascular Research Institute
University of California School of Medicine, San Francisco, CA
Mentor, J. P. Brady, MB, BChir, MPH

1973-1975 Post-doctoral Fellowship in Neonatology
Children's Hospital of San Francisco, CA
J.P. Brady, MB, BChir, MPH Chief of Newborn Intensive Care Program

1974 Post-doctoral Scholarship in Neonatology, (visiting)
Hospital for Sick Children, Toronto, ON
Mentors, Professor P.R. Swyer, Chief of Neonatology and H. Bryan, M.D.

Board Certification

1969 National Board
1973 The American Board of Pediatrics
1975 Sub-Board of Neonatal-Perinatal Medicine

Licensure

1969 State of Illinois
1971- 2016 State of California

C. Employment History:

Military Service in United States Armed Forces

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| 1971-1973 | Silas B. Hayes Hospital
Major, opened new hospital pediatric unit and set up intermediate care nursery
Fort Ord, California |
| 1973-1975 | Reserve Army
Volunteered for Emergency Room and attended in neonatal intensive care for
neonatologist on leave at Letterman General Hospital in San Francisco |

Academic Appointments

- | | |
|--------------|--|
| 1975-1981 | Assistant Professor of Pediatrics
Division of Neonatal and Developmental Medicine
Stanford University School of Medicine |
| 1981-1987 | Associate Professor of Pediatrics in Clinical Professoriate
Division of Neonatal and Developmental Medicine
Stanford University School of Medicine |
| 1987-2008 | Professor of Pediatrics
Division of Neonatal and Developmental Medicine
Stanford University School of Medicine |
| 1975-1992 | Associate Director of Premature Research Center
Stanford University School of Medicine |
| 1982-present | Preceptor of Training in Neonatal and Developmental Medicine |
| 1993-2004 | Senior Associate Chief
Division of Neonatal and Developmental Medicine |

2004-2008 Senior Associate Chief for Academic Affairs
Division of Neonatal and Developmental Medicine

2008 Professor Emeritus, Pediatrics
Division of Neonatal and Developmental Medicine

2008- Emeritus Faculty, Academic Council

Clinical Appointments

1975-2008 Attending Neonatologist in Neonatal Intensive Care
and Intermediate Intensive Care Nurseries

1975-1993 Associate Director of Nurseries
Stanford University School of Medicine

1975-1993 Associate Director of High Risk Infant Follow-up Clinic
Stanford University School of Medicine

2008-2010 Attending Neonatologist Intermediate Intensive Care Nursery

D. Honors and Awards:

Memberships in Professional Associations and Learned Societies

1974 American Academy of Pediatrics, CA Chapter

1974 Fellow of the American Academy of Pediatrics

1974 American Academy of Pediatrics, Section on Perinatal Pediatrics
2015 renamed Neonatal Perinatal Medicine; 2015 Section on
Advancing Therapeutics and Technology

1978-2008 American Thoracic Society (ATS) Pediatric Assembly, and
Respiration, Neurobiology, and Sleep Assembly

1979 Western Society for Pediatric Research

1979-1996 California Perinatal Association

1998 National Perinatal Association

1981 Society for Pediatric Research

1982 American Association for the Advancement of Science

1983-2010 California Thoracic Society

1985 American Federation for Clinical Research

1988 Sleep Research Society

1988 American Academy of Sleep Medicine

1988 American Medical Association

1988 California Medical Association
 1988 Santa Clara County Medical Society
 1993 Society for Neuroscience
 1993 American Pediatric Society
 1995 European Society for Pediatric Research
 1995 California Association of Neonatologists
 2010- Public Responsibility in Medicine and Research

Academic Honors and Awards

1964 Lewis University (undergraduate)
 Graduated with highest honors

1968 University of Illinois College of Medicine
 The Francis E. Senear Clinical Award,
 From his class in recognition of outstanding moral, ethical and personal
 qualities essential to a fine physician

1970 Presbyterian-St. Luke’s Hospital, Chicago, IL
 Outstanding Resident of the Year Award
 1971 Outstanding Resident of the Year Award
 1970-71 Selected and served as Chief Resident for training program under
 Joseph R. Christian, M.D., Chair, Department of Pediatrics

1974 University of California San Francisco-Children's Hospital of San Francisco
 Bay Area Heart Research Committee Fellow

1987 Honoree of Fund Raising Event for Sudden Infant Death Syndrome (SIDS)
 Research
 Cebrian Fund Award

1987 Research Award from Orange County, Guild for Infant Survival

1990 Honoree of Fund Raising Event for SIDS Research,
 Johnson Fund Award

1997 “Master Advisor” in recognition of long and distinguished service as freshman
 advisor at Stanford

1998 Bloomingdale’s Fund Award

2002 The Senator Daniel E. Boatwright Award
 for Extraordinary Public Service on Behalf of Californians Touched by Sudden
 Infant Death Syndrome

2009	Recipient of the 8 th Annual Forum for Improving Children's Healthcare's Best Quality Improvement Storyboard Award: "Novel Toolkit for Follow-up Care of the Premature Infant."
2009	National Neonatal Education Award from the American Academy of Pediatrics Section on Perinatal Pediatrics
2011	Recognized by the Stanford University Hospital Medical Staff for "clinical excellence and the art of compassionate care" and received a honorary lifetime Medical Staff appointment
2014	Received Alumni Achievement Award in the Field of Science from Lewis University, Romeoville, Illinois
2015	"Outstanding Service Award" from the Office of Pediatric Therapeutics, Office of the Commissioner, FDA. In recognition of dedication and contributions to Neonatal Product Development (August 13, 2013-August 18, 2015)

NIH Research Support

Past:

NIH Research Award (1RO1 HD045653-01), Consultant <i>"Spontaneous Arousals in "CHIME" Infants at Risk for SIDS"</i> Robert Darnall, Principal Investigator; Dartmouth Medical School	2004-2007
NIH Research Award (RO1 EY015228), Consultant <i>"The Effects of Prematurity on Visual Development"</i> William Good, Principal Investigator; Smith-Kettlewell Eye Research Institute	2005-2006
NIH National Institute of Neurological Disorders and Stroke (NINDS) Research Award (1R21 N5040374-01). Principal Investigator <i>"A new approach to detect CP and brain injury by term age"</i>	2001-2004
NIH Research Award (1ROI HD/HL35754-01A1), Principal Investigator <i>"Modulation of Circadian Rhythmicity in Pre-Term Infants"</i>	1998-2002
NIH Research Award (HD-29732), Co-Principal Investigator <i>"Sleep and Regulatory Integration: Implications for SIDS"</i>	1992-1998
NIH Research Award (RO1 HD24315-01A2), Principal Investigator <i>"Modulation of Circadian Rhythmicity"</i>	1990-1994

NIH Research Award (HL-34 118-08), Principal Investigator "Lung Function Post Steroids in Chronic Ventilated Infants"	1985-1988
NIH Research Award, Co-investigator, "Does Sleep Induce Special Risks in Premature Infants?"	1981-1984
NIH Research Award (RR00081-25), Co-investigator "General Clinical Research Center of Premature Infants"	1975-1992

NIH Research Award (HD-02147-11), Co-investigator 1975-1978
"Extrauterine Growth and Adaptation"

NIH Research Award (HD-00049-16), Co-investigator 1975-1979
"Developmental Biology and Neonatology"

Stanford University:

Past:

Harman Clinic Endowment Award. 2006-2008
For development of neuroimaging work station and quality assurance program
for MRI scanner at L. Packard Children's Hospital to improve potential
for clinical research in Pediatrics

Department of Pediatric Chairman's Research Fund. 2006-2007
To supplement funding for human breast milk studies.

Innovations in Patient Care Award, Co-investigator 2002-2003
"Acute Viral Bronchiolitis: Changing the criteria for Home Discharge"

Innovations in Patient Care Award, Principal Investigator 2002-2003
"Effect of Nursery Lighting on Length of Stay and Outcomes
in the Very Low Birth Weight Infant"

Innovations in Patient Care Award, Principal Investigator 2002-2003
"New Approach to Detect Cerebral Palsy in Preterm Infants"

Innovations in Patient Care Award, Packard Foundation, Principal 2001-2002
Investigator "Non-pharmacological treatment of reflux in preterm infants"

Innovations in Patient Care Award, Packard Foundation, Principal Investigator 1999-2000
"Gastroesophageal Reflux Physiology in Asymptomatic Preterm Infants,
A Pilot Study"

Technology Transfer - Stanford University Hospital Award,
Principal Investigator, "Pulmonary Assessment of Critically Ill
Infants and Young Children to Evaluate Treatment, Management,
and Course of Disease" which supported development of novel
bedside computerized system to evaluate pulmonary function of
critically ill neonatal and pediatric children.

1989-1991

Past:

Gustavus and Louise Pfeiffer Research Foundation, Principal Investigator “The Effect of Breast Milk Protein Supplementation for Improving the Quality and Quantity of Sleep on Brain Development and Neurodevelopmental Outcome in Pre-term Infants”	2006-2008
The Gerber Foundation, Principal Investigator “The Well-nourished and Sleeping Preterm Infant Will Have Improved Brain Development and Neurodevelopmental Outcome”	2005-2007
Medimmune, Principal Investigator at Stanford “A Pivotal Phase 3 Study of MEDI-524 an Enhanced Potency Humanized Respiratory Syncytial Virus (RSV) Monoclonal Antibody for the Prophylaxis of Serious RSV Disease in High-Risk Children”	2004-2005
SIDS Alliance and First Candle, Principal Investigator “Spontaneous Arousal in Preterm Infants: Effect of Gestational Age, Postmenstrual Age and the Risk of SIDS.”	2004-2005
MedImmune, Principal Investigator at Stanford “Phase II, Randomized, Double-Blind, Two-Period, Cross-Over Study To Evaluate the Pharmacokinetics, Safety and Tolerability of a Liquid Formulation of Palivizumab (Medi493, Synagis), A Humanized Respiratory Syncytial Virus Monoclonal Antibody”	2002-2003
Nellcor Tycos, Principal Investigator “Non-Invasive Patient Monitor Equipment Study”	2002-2003
SIDS Alliance, Principal Investigator	2001-2002

“Arousal Deficiency: An Underlying Mechanism for Sudden Infant Death Syndrome (SIDS)” Research Project

Sun Microsystems and Anonymous Donor Gift for “Quantitative Analysis of Brain Maturation and Injury in Infants” Research Project” 1999-2001

Mallinckrodt Inc., Principal Investigator Non-invasive Patient Monitor Equipment Study 2000-2001

Nellcor Puritan Bennett, Inc., Principal Investigator Non-invasive Patient Monitor Equipment Study 1998-1999

MedImmune, Principal Investigator at Stanford University, Phase III Randomized Multicenter Trial of Recombinant Monoclonal Antibody for RSV Prevention 1996-1998

MedImmune, Principal Investigator at Stanford, Phase I/II Randomized Multicenter, Double Blind, Placebo-Controlled Study to Evaluate Dose, Safety and Tolerance of an Humanized Monoclonal Antibody to RSV, Conducted on Preterm Infants and Infants with Bronchopulmonary Dysplasia 1995-1996

MedImmune, Principal Investigator at Stanford, Phase III Randomized Multicenter, Double Blind, Placebo-Controlled Trial of Respigam Infusions for Reduction of the Rate of RSV Hospitalization in Premature Infants and Infants with Bronchopulmonary Dysplasia 1994-1995

Burroughs Welcome Grant, Co-investigator “A Multicenter Double-Blind Randomized Parallel Study of the Effects of EXOSURF Prophylaxis on Morbidity, Mortality and Hospital Charges In High Risk Premature Infants" Management, and Course of Disease" 1987-1992

SIDS Alliance, Principal Investigator “Thermoregulation, Sleep, and Breathing in Neonates” 1988-1993

Healthdyne Company Research Award, Principal Investigator "Periodic Breathing and Apnea Risk" 1982-1983

Current:

FDA Grant in collaboration with the Pediatric Pulmonary Hypertension Network Group. Chief Scientist Challenge Intramural Grant Application: “Investigation of Actigraphy, an Exercise

Measure Device, as a Novel, Well-defined, Reliable, Feasible, Easy to use, and Non-Invasive Study Endpoint to Facilitate Pediatric Arterial Hypertension (PPAH) Trials and Drug Development.”

PI: Haihao Sun, Medical Officer (OPT/OSMP/FDA) Co-PIs: N. Stockbridge, Director (DCRP/CDER/FDA); R. Ariagno, Prof. Neonatal Med (Stanford University); Dianne Murphy, Director (OPT/OSMP/OC/FDA); S. Abman, Prof. Ped Pulmonary Med (U. of Colorado); Dunbar Ivy, Prof. Ped Cardiology (U. of Colorado)

2016-2018

Reviewer

Reviewer for *Acta Paediatrica Scandinavia*, *American Journal of Diseases of Children*, *Archives of Disease in Childhood*, *American Journal of Gastroenterology*, *Clinical Pediatrics*, *Developmental Pharmacology*, *Journal of Perinatology*, *Journal of Pediatrics*, *Journal of Applied Physiology*, *New England Journal of Medicine*, *Pediatrics*, *Pediatric Pulmonology*, *Pediatric Research*, *Sleep*.

Editorial Board

Associate Editor, *Journal of Perinatology* 1997-2014

E. Public and Professional Service:

International

University of Lyon, Hospital St. Eugenie One-Year Research Sabbatical 1981-1982
Chair of Pediatrics, Prof. R. Gilly and Research, M.J. Challamel, M.D.

Hospital Port-Royale, Paris, France, Three-Month Research Sabbatical, 1985
L. Curzi-Dascalova, Ph.D.

Trustbank Otago Visiting Professor, University of Otago, 1994 (11/25-12/8)
Dunedin, New Zealand

Visiting Scientists in my Laboratory:

R. Bellon, M.D. 1991
Hospital St. Eugenie
Lyon, France

K. Goto, MD, PhD 1998
Oita Medical University
Oita, Japan

M. Mirmiran, MD, PhD 1998
Netherlands Institute for Brain Research
Senior Research Scientist
Amsterdam, The Netherlands

<p>Visiting Professor, One-Year Research Sabbatical, University of Amsterdam, Department of Medical Physics with Professor H. Spekrijse, Ph.D. regarding neuroimaging in preterm infants</p>	<p>1999-2000</p>
<p>PhD Thesis Committee</p>	
<p>Y.G.H. Maas “Early Neurological Development, Growth and Nutrition In Very Preterm Infants” Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands</p>	<p>2000</p>
<p>V. Ruth, RN, MS “Identifying Growth Characteristics in Preterm Infants” (research done in my laboratory) University of California San Francisco School of Nursing San Francisco, California</p>	<p>2007</p>
<p>S. R. Yiallourou “Development of Sleep in Infants: Effects of Sleeping Position and Implications for Sudden Infant Death Syndrome” Monash Institute for Medical Research Monash University Clayton, Australia</p>	<p>2008</p>
<p>Nicole B. Witcombe “Development of Cardiovascular Control During Sleep in Infants After Preterm Birth.” Ritchie Centre for Baby Health Research Monash Institute for Medical Research Monash University Clayton, Australia</p>	<p>2009</p>
<p>Reviewer</p>	
<p>Selvam Ramachandran “Effect of Early Physical Therapy Intervention on Singleton Preterm Very Low Birth Weight Infants at High Risk of Developing Motor Development Delay a Randomized Controlled Clinical Trial.” Sikkim Manipal University</p>	<p>2015</p>

5th Mile, Tadong, Gangtok
East Sikkim, India

Member of International Committee (Wake up Club) 1999-2005
to define arousal mechanisms in infants

Organized and Funded pilot project in East Pokot, Kenya Africa “Helping Babies Breathe
And Essentials of Infant Care Project” through Kenya Help Program USA, University of
Indiana and Moi University, Eldoret, Kenya. 2014-

Medical Student Research in my laboratory at Stanford
one-year research experience for:

M. Kikkert
from Leiden University School of Medicine
Leiden, The Netherlands 1998-1999

S. van Liempt and J. Meinardi
from Academic Medical Center University of Amsterdam
Amsterdam, The Netherlands 2000-2001

Sabbatical to study the relationship between Academic Centers and
Community Care of mothers and infants in India (December & January) 2006-2007

King Edward Memorial Hospital,
Chief of Neonatology, S. Chaudhari, M.D.
for 3 weeks to review research, lecture for residents
and teaching rounds. Pune, India

Vadu Rural Health Program and Hospital
Director, S. Hirve, M.D. Epidemiology Research, S. K. Juvekar, Ph.D. (Anthropologist)
Vadu, India

All India Institute of Medical Sciences
Professor A. Deorari
Gave first teleconference lecture
New Delhi, India

Post Graduate Institute of Medical Education and Research
K. Praveen, M.D.
Chandigarh, India

Mahatma Gandhi Institute of Medical Sciences
S.P. Kilantri, M.D. and Akosh Bang, M.D.
Sevagram, India

Society Education Action Rural Community Health Care (SEARCH)
Directors, Abhay and Rani Bang, M.D.
Gadchiroli, India

Varad Medical Foundation Pediatric Hospital
Non-Government Organization (NGO) Pediatric Hospital
K. Rajendra, M.D.
Aurangabad, India

Vidya Vikas Hospital (NGO)
V. Pawar, M.D.
Nashik, India

Anandwan Leprosy Program
S. Vikas Amte, M.D.
Chandrapur, India

Visiting Professor, University of Nairobi (July – August) Sabbatical 2007
to study relationship between academic centers
and community care of mothers and infants in Kenya.

Professor A. Wasunna, M.D., Chief of Pediatrics and Child Health,
Kenyatta National Hospital, University of Nairobi; Nairobi, Kenya

Gertrude Garden Children’s Hospital, (Non-Government Hospital)
Dr. Renson Mukhwana, Chief Paediatrician
Nairobi, Kenya

Mama Darlene Children’s Centre & Community Development
Projects & HIV/AIDS Programme
Director Eluid Meuma
Kangundo, Kenya

Served as medical doctor for mobile/bush clinics with Assumption Sisters of Nairobi
in Naivasha and environs for 2 weeks.

Medical doctor for Longonot Clinic run by Assumption Sisters
Longonot, Kenya

Visited Naivasha District Hospital
Naivasha, Kenya

Made home visits in Naivasha’s poor community and for Orphanage
Assisted family in home palliative care for mother with metastatic cancer who was
a patient at Naivasha District Hospital and wanted to “go home”

Visited Nakuru’s Children Center for “street children”
Established by Fr. D. Kiriti
Nakuru, Kenya

Visited and made rounds at King Fahd Community Hospital
Gideon Mutua, M.D., Chief Medical Officer and Administrator
Lamu, Kenya

Visited F. Artress, Jr., M.D., Director of Foundation
For African Medicine and Education which has mobile clinic and opened
FAME Outpatient Clinic April 2008 (www.fameafrica.org)
Karatu, Tanzania

Sabbatical in Australia focused on breast milk research, development of suck swallow 2008
and use of Continuous Positive Airway Pressure (CPAP)
in the preterm infant (Dec.-Feb.).

Visited laboratories of :

T Omari, PhD, University of Adelaide, Center for Paediatric &
Adolescent Gastroenterology, Woman's and Children's Hospital
Adelaide, Australia

Professor P. Hartmann, PhD, U. West Australia in Crawley/Perth,
School of Biomedical and Chemical Sciences, and attended
“International Society for Research in Human Milk and Lactation”
Crawley, Australia

R. Horne, PhD and A. Walker, Ph.D. Monash Medical Center,
Ritchie Centre for Baby Health Research
Clayton, Australia

Professor N. Saunders, PhD., U. of Melbourne Dept. of Pharmacology
and Center for Neuroscience
Melbourne, Australia

Professor C. J. Morley, Dept. of Neonatology,
Director of Research, Royal Children's Hospital, U. of Melbourne.
Melbourne, Australia

Invitee to the 16th Congress of the Federation of Asia and Oceania Perinatal Societies
meeting “Bridging Gaps in Maternal-Neonatal Health” New Delhi, India December 14-17,
2010

International Neonatal Consortium (INC) originally initiated by Suzie McCune FDA and now
administrated by the Critical Path Institute. Member of Bronchopulmonary Dysplasia and Clinical
Pharmacology working groups.

Pediatric Clinical Trials Stakeholder Forum participant in planning meeting November 2014 representing AAP Section on Neonatal Perinatal Medicine (see Special article: 2014 Pediatric Clinical Trials Forum Clifford Bogue¹, Linda A. DiMeglio², Samuel Maldonado³, Ronald J. Portman⁴, P. Brian Smith⁵, Janice E. Sullivan⁶, Charles Thompson⁷, Heide Woo⁸, Susan Flinn⁹; on behalf of the *Pediatric Clinical Trials Stakeholder Forum Planning Committee*. Pediatr Res. 2016 Apr; 79(4): 662-9. doi: 10.1038/pr.2015.255. Epub 2015 Dec 9.). Pediatric Clinical Trials Consortium inaugurated October 2015.

Consultant to Gerald Atwine RN from Uganda and Dr. Gavin Hartman MD, Pediatric Anesthesia resident at Stanford University to set up Medical Clinic “Bulamu Healthcare International” (www.bulamuhalthcare.org) near Kampala 2016-

National

NIH, National Center for Research Resources, General Clinical Research Center (GCRC) Association of Program Directors	1975-1995
NIH Consultant regarding use and safety of radiant heat warmers and incubators in neonatal care	1979
Ad hoc Committee of National Sudden Infant Death Syndrome Foundation developing the publication "A Handbook for Infant Monitoring"	1982
Task Force on Prolonged Infantile Apnea Committee, American Academy of Pediatrics	1985
The Association for Advancement of Medical Instrumentation, Apnea Monitoring Committee	1985
Planning Program Committee: Conference on Apnea of Infancy, (Co-Chair 1989-90, Chair 1991)	1985
Consultant, NIH Consensus Development Conference, Infantile Apnea and Home Monitoring	1986
Research Committee of the American SIDS Institute to develop intervention for prevention of SIDS in low birth weight infants	1987-1989
Member, NICHD interdisciplinary group, to write two abstracts regarding fetal behavioral development	1996-1997
National Association of Apnea Professionals	1988
American and California Thoracic Societies Committee to write "State-of-the-Art" regarding non-invasive assessment of blood gases	1988-1990
Consultant on Infant Apnea Monitor: Mandatory Performance Standard Issues, Office of Standards and Regulations, Center for Devices and Radiologic, Health, Food and Drug Admin. U.S. Department of Health and Human Services	1989
SIDS Advisory Committee, March of Dimes	1989
NIH Nursing Science Review Committee	1990-1994

NIH Grant, Stanley Graven, P.I.	
Member of the Advisory Committee	1993-1996; 2004
Liaison Representative for Perinatal Section of the Academy of Pediatrics	1993-1996 Chair,
Sleep and Sleep Deprivation Study Group	1993-1996

School of Sleep Medicine, invited faculty for Annual Pediatric Sleep Course which has international attendance	1994-2013
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American Academy of Pediatrics	
Perinatal Section Executive Committee	1996-2001
Chair, Subcommittee on Research	2001-2014
Chair of Marshall Klaus Perinatal Research Award Review Committee	2004-2014
Appointed Chair of the “Task Force for Neonatal Therapeutics Development” for the Section on Neonatal and Perinatal Medicine	2015-
Liaison to Section on Advances in Therapeutics and Technology	2016-
Committee on Strategic Planning	1997-1998
Member of Section on International Child Health	2009
Neonatal Resuscitation Program Instructor	2011-
Member of Section on Advances in Therapeutics and Technology	2015
Member of Section of Perinatal Pediatrics*	1974-
Invited participant in a working group with the AAP Clinical Trials Stakeholder Forum in DC to represent the Section on Perinatal Medicine to develop a global pediatric trials network.	2014
* re-named Section of Neonatal Perinatal Medicine (2016)	

Western Society for Pediatric Research	
Council Member	2002-2007
President Elect	2004
President	2005-2006

Medical Student Research Program	2003-2006
Clinical Investigator/Physician Scientist participant sponsored by American Pediatric Society and the Society for Pediatric Research for highly qualified medical students to consider careers in pediatric research and provides a NIH stipend for students	

to spend 8-10 weeks working under the supervision of an experienced pediatric scientist. Supervised eight medical students and research presented at Pediatric Academic Society annual meetings.

Chair of Medimmune Pediatric Fellowship Grants Review Committee	2008-
Co-Chair of Medimmune Advisory Committee for the Development of Web-based Toolkit for Preterm Infant Follow up Care	2005-
Prematurity Summit presenter, sponsored by Medimmune (Los Angeles, CA, New York, NY and Austin, TX)	2009

Certified Master Trainer, American Academy of Pediatrics “Help Babies Breathe Initiative”.	2010
Appointed to FDA Pediatric Advisory Committee as member of the Neonatology Sub-Committee to support and facilitate the basic neonatal science needed and to promote the development of drug and new devices for infants	2013-
Accepted 50% FTE Appointment as Senior Oak Ridge Institute for Science And Education (ORISE) Fellow in Neonatology in the Office of Pediatric Therapeutics and in the Maternal and Pediatric Section, Center for Drug Evaluation and Research at the FDA to help strategize how to facilitate the basic neonatal science research needed and to promote the development of drug and new devices for infants.	2013-15
Intergovernmental Personnel Act (IPA) Agreement FDA Office Of Pediatric Therapeutics with Stanford University (25% FTE) to continue initiatives begun during ORISE fellowship, mentor new FDA Neonatologist, Gerri Baer; continue scholarly projects and Collaborative research with the Pediatric Pulmonary Hypertension Network Group and the FDA; participate in pediatric and neonatology relevant meetings at the FDA such as Pediatric Review Committee and International Pediatric Global Teleconference.	2015-16 2016-17
<u>State</u>	
Chair, Northern California Chapter I American Academy of Pediatrics Bioethics Committee	1988-1991
Sudden Infant Death Syndrome (SIDS) Autopsy Committee	1989-2008
Medical Consultant on Board, Bay Area Affiliate of the SIDS Alliance	1991-1995
California Perinatal Association, President Elect	1993-1994
California Perinatal Association, President	1994-1996
Northern California Advisory Council for SIDS Information and Counseling Project	1994-1996
Lecturer for “First Responders” in services for No. CA Consultation and community meetings for parents affected by SIDS	1994-2009
SIDS Advisory Council for the Department of Health Services	1994-1996

2003-2008

American Academy of Pediatrics, District IX Section on Perinatal Pediatrics

Chair of District IX

1996-1998

Elected 2nd Term

1999-2001

Past President representative

2001

Appointed to position "Of Counsel"

2008-

Member of Chapter 1 Section on International Child Health

2009-

California Thoracic Society Ad hoc Committee on Perinatal and Pediatric Pulmonary Issues.	1998
California Association of Neonatologists	
Organizing Chair	1994
President	1995
Elected Member on Board of Trustees	2003-2007
American Academy of Pediatrics, Chapter 1 International Child Health Committee	2008-
Invited Presentation at California Prematurity Summit in Sacramento, CA	2009
Planning Committee and Presenter at the California Association of Neonatologists and American Academy of Pediatrics District IX, "Directors, Newport Beach Conference" to address future needs for the health of mothers and infants in California	2010

University

General Undergraduate Advisor	1985-1997
Student Conduct Legislative Council	1992-1993
General Clinical Research Center Scientific Advisory Committee	1992-1998
Faculty Club Board of Directors, President Elect	1992-1993
Faculty Club Board of Directors, President	1994-1995
Advisory Panel on Investment Responsibility, President Elect	1993-1994
President	1994-1996
General Clinical Research Center, Pediatric Protocol Review Committee	2000-2008

School of Medicine

Medical Center Ethics Committee

1984-1990

Medical Student Faculty Preceptor	1987-1995
Medical Scholars Student Research Program participant	1987
Admissions Panel	1998-1999
Subcommittee, Developmental Neuroscience, Developmental Medicine Theme Group	1989-1990
Appointments and Promotions Committee	1990-1993
Appointments and Promotions Committee, Vice Chair	1992-1993
Advisory Committee, Stanford University Center for Biomedical Ethics	1990-1995
Faculty Senate	1991-1997 2001-2004 2006-2007
Committee of Five	2001-2004
Committee on Student Performance	1995-1999
Chair of Committee	1997-1999
Appointments and Promotions Committee Medical Center Line Professorate	1997-1999
Ad Hoc Senate Subcommittee for Academic Priorities for UCSF/Stanford Merger	1997-1999
Panel on Human Subjects in Medical Research Review Committee	2000-present
Chair of Panel 4 (25% FTE)	2004-present
Reviewer for Panel 8	2007-
Chair of Health Science Research and Epidemiology Review Committee	2005-2006
Chair of Task Force for the new Medical School Faculty Senate By-Laws	2006-2007
Auditing Human Biology 129S:Global Public Health course, Paul H. Wise	Winter 2011
Invited annual lecturer for Medical School Class DB 201 regarding “Scientific basis for developmentally supportive care in the newborn intensive care nursery” Professor E. Porzig, course director	2006-2008

Faculty appointment in Educator for Care Program	2008-2009
Academic Secretary to the Medical School Faculty Senate	2008-2009

Department

Premature Research Center Advisory Committee, ex officio	1975-1992
Pediatric Scientific Advisory Committee	1993-2008
Director of Pediatrics SIDS Research and Developmental Physiology Laboratory	1982-2008
House Staff Advisory Committee	1990-1995
Planning Committee, Lucile Salter Packard Children's Hospital Opening Scientific Symposium	1992-2008
Pediatric Faculty Practice Program Committee	1992-1995
Department Appointment and Promotion Committee	2000-2008
Member, Child Health Research Institute	2011-

Hospital (Stanford University)

Perinatal Outreach Program participating faculty	1975-2010
Midcoastal California Perinatal Outreach Program (MCCPOP)	
Participating faculty for lectures, consultation and review of participating Hospitals	1980-2010
Perinatal Morbidity & Mortality Committee	1975-1995
Chair, Neonatal-Perinatal Bioethics Committee	1975-1992
Infection Control Committee	1980-1991
Chaplaincy Pastoral Education Committee	1988-1999
Chaplaincy Pastoral Education Advisor	1988-1999
Chaplaincy Advisory Committee	1975-1993
Chair	1988
Perinatal Care Committee	1989-1999
Stanford University Medical Center Committee on Ethics	1988-1990

Hospital (Lucile Salter Packard Children's Hospital)

Lucile Salter Packard Children's Hospital Operations Excellence Planning Steering Committee	1990
Director of Nursing Search Committee for Lucile Salter Packard Children's Hospital	1990
Medical Director of Respiratory Care	1990-2006
Respiratory Care Director Search Committee,	1990-1991

for Lucile Salter Packard Children's Hospital

Task Force Committee for Respiratory Care Services Lucile Salter Packard Children's Hospital	1990-1991
Director of Pulmonary Function Laboratory Organized, equipped and opened new laboratory	1991-2008
Infection Control Committee for Lucile Salter Packard Children's Hospital	1991-1999
Contributor to the Nursery Guide	1997-2013
Ethics Advisory Committee	1992-1994
Continuing Medical Education (CME) annual Pediatric Meeting Planning Committee	2002-2008
Pediatric Residency Advisor	2006-08
Certified Simulation Instructor in "Center for Advanced Pediatric Education" (CAPE) directed by L. Halamek, for simulation and neonatal resuscitation	2007-
Co-Director (volunteer) CAPE Neonatal Resuscitation Simulation Training Program	2012-
Pediatric Residents Research Mentor for International Child Health and Help Babies Breathe Initiative	2010-

Community

Locum tenens Pediatrician:

Marin General Hospital, Marin, California	1974
Seton Community Hospital, San Francisco, California	1974
Romie Lane Pediatrics, Salinas, California	1972

Emergency Room Physician:

Watsonville Community Hospital Watsonville, California	1971-1973
Salinas Valley Memorial Hospital Salinas, California	1971-1973
St. Luke's Hospital San Francisco, California	1973-1975

Rota Care Clinic (East Palo Alto and Menlo Park) volunteer as Pediatrician

1995-1999

Major Areas of Research

Infant pulmonary function and respiratory control
Infant brain development, injury and prediction of neurodevelopmental outcome
Sleep, arousal, thermoregulation and circadian development
Brain homeostasis mechanisms and sudden infant death syndrome (SIDS)

(SIDS Research and Developmental Physiology Laboratory was closed in 2008 after 34 years)

Current focus is the promotion of neonatal science needed for the development and approval of new therapies and devices to advance the care of neonates and infants.

The Goal of the Task Force for Neonatal Perinatal Therapeutic Development is to use the educational, advocacy, liaison and leadership resources of the AAP and Section on Neonatal and Perinatal Medicine to establish through consensus a culture of investigation and collaboration for all clinical neonatology practices: academic, corporate and community based to maximize the opportunity to participate in research effort needed for the regulatory approval of neonatal therapeutics.

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Chapters

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Reviews and Commentaries

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(Note: authors in italics and underlined are medical students who received SPR-APS Research Awards. * International medical students)