

Fernando D. Martinez, MD

Regents' Professor
Director, Arizona Respiratory Center
Director, BIO5 Institute
Swift-McNear Professor of Pediatrics
The University of Arizona
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Home Address: 5003 East Water Street
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Date of Birth: November 28, 1949
Place of Birth: Santiago, Chile
Immigration: Permanent resident

Medical License: State of Arizona #22473
Board Certified: Pediatrics #237366

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I. EDUCATION

High School

Saint George's College
Santiago, Chile 1966

University Studies

University of Chile
Santiago, Chile
Licenciado en Medicina (equivalent to MD) 1971
Residency in Medicine 1972-1973

University of Rome
Rome, Italy
M.D. (cum laude) 1973-1975
Fellowship in Pediatrics (cum laude) 1976-1981
Specialization: Pulmonology

II. STATEMENT OF MAJOR FIELDS OF INTEREST

- Longitudinal studies of asthma and asthma-related traits in early life. Over 20 years of experience in designing, conducting, and analyzing and publishing data from prospective birth cohorts enrolled either during the mother's pregnancy or during the first days of life.
- Genetics and pharmacogenetics of asthma.
- Novel therapeutic approaches to childhood asthma
- Role of gene-environment interactions in the development of complex diseases, especially asthma and related traits.

III. PROFESSIONAL BACKGROUND

Clinical Appointments:

Attending at the Pediatric Pulmonary Ward
University of Rome Pulmonary Section
Department of Pediatrics 1981-1982
Pediatrician in charge of Outpatient Clinic 1983-1984
University of Rome Children's Respiratory Clinic 1985-1987
General Pediatric Practitioner, Viterbo, Italy 1981-1987
Attending Physician, Department of Pediatrics, University of Arizona 1991-present
Consulting Physician, Whiteriver Hospital, Whiteriver, Arizona 1992-present

Academic Appointments:

<i>University of Chile Research Associate</i>	
Department of Epidemiology & Social Medicine Area Oriente: School of Medicine, Santiago, Chile	1969-1971
<i>University of Rome</i>	
Lecturer at the Department of Pediatrics	1981-1986
<i>University of Arizona</i>	
Visiting Research Associate	1984-1985
Research Scientist (Pediatrics)	1987-1990
Research Scientist (Respiratory Sciences Center)	1987-1996
Research Assistant Professor	1990-1991
Assistant Professor	1991-1994
Associate Professor	1994-1997
Director, Arizona Respiratory Center	1996-present
Swift-McNear Professor of Pediatrics	1997-present
Co-Director, Institute for Biomedical Science and Biotechnology	2002-2005
Faculty Member, BIO5 Institute	2005-present
Director, BIO5 Institute	2009-present
Regents' Professor	2009-present

Hospital Privileges:

University Medical Center	Active Staff
Tucson Medical Center	Associate Staff
Whiteriver Indian Hospital	Consulting Privileges
Rehab Institute of Tucson	Consulting Privileges

Teaching (formal):

<i>University of Rome</i>	
Responsible for teaching a course on pulmonary and airway physiology, and asthma to pediatric fellows (10 hours of formal lessons per year)	1981-1987
Faculty in the sixth year pediatrics course for medical students (15 hours of bedside teaching per year)	1981-1987
<i>University of Arizona</i>	
Faculty, Med 896N (clinical epidemiology)	1989
Faculty, first year physiology course for medical students	1989-present
Teaching Attending for Junior and Senior Medical Students	1991-present
Faculty Member, The Graduate College Genetics Interdisciplinary Program	2004-present

Memberships and Certifications:

Society for Pediatric Research	1989-present
Western Society for Pediatric Research	1991-present
American Thoracic Society	1997-present
Journal of Allergy and Clinical Immunology Advisory Board	2007-present

Journal Editorialist:

Lancet
New England Journal of Medicine

Journal Reviews:

Pediatric Pulmonology	1988-present
Pediatrics	1989-present
Journal of Pediatrics	1989-present
American Journal of Respiratory and Critical Care Medicine	1989-present
European Respiratory Journal	1990-present
Environmental Journal	1991-present
American Journal of Epidemiology	1991-present
Thorax	1993-present
American Journal of Human Genetics	1994-present
Lancet	1995-present
Human Molecular Genetics	1996-present

IV. HONORS AND AWARDS (Last 5 Years)

- 2003
- State of Arizona Children’s Environmental Health Forum. Office of the Governor and the Arizona Department of Environmental Quality, Phoenix, AZ
- 2004
- The Elliot F. Ellis Lectureship. American Academy of Asthma, Allergy and Immunology
 - Kwasman Memorial Lectureship, University of Rochester
 - The Nancy N. Huang, M.D. Guest Professor in Cystic Fibrosis and Pediatric Pulmonology, St. Christopher’s Hospital for Children, Philadelphia
- 2005
- 2004 Pfizer Visiting Professorship in Allergic Disease and Asthma, St. Lois, MO (received 2005)
 - Scientific Accomplishment Award (1 of 4 awarded annually), 2005 American Thoracic Society Meeting
 - Honorary Fellowship, Allergy Society of South Africa, Durbin, South Africa
- 2006
- Parker B. Francis Fellowship Program Council of Scientific Advisors (since 2003)
 - 2005 Pfizer Visiting Professorship in Allergic Disease and Asthma, Vanderbilt University (received 2006)
- 2007
- 2006 Pfizer Visiting Professorship in Pulmonary Medicine, Stanford University (received 2007)
 - U.S. Food and Drug Administration Advisory Committee Service Award (2004-2007)
- 2008
- The J. Burns Amberson Lectureship, American Thoracic Society (ATS) Annual Meeting. **Unopposed, once-yearly lecture awarded to only one (out of over 20,000) ATS member for “lifetime accomplishment” in the field of respiratory medicine and science.**
- 2009
- The Donald K. Buffmire Visting Lectureship in Medicine, University of Arizona
 - 2009 Amos Christie Lectureship in Pediatrics, Vanderbilt University
 - The Philip Fireman Lectureship in Asthma, Allergy and Immunology, Fourth Annual Nemaocolin Asthma Conference
 - Regents’ Professor, University of Arizona

V. SERVICE (Last 5 Years)

National

Member, Expert Panel charged with writing the NIH Guidelines for the Treatment of Asthma, National Asthma Education and Prevention Program (NAEPP)	1995-present
Member, Board of Extramural Advisors, NHLBI	1999-2006
Co-Chair, Asthma Subcommittee, National Children’s Study, NIH	2002-2004
Member, Pulmonary-Allergy Drugs Advisory Committee, FDA	2003-2007

University Of Arizona

Interviewer for Pediatric Pulmonary Fellowship Training Program	1988-present
Space and Facilities Committee; Steele Memorial Children's Research Center	1992-present
Professional Evaluation Committee	1992-present

Director, Arizona Respiratory Center	1996-present
Co-Director, Institute for Biomedical Science & Biotechnology	2002-2005
Member, Search Committee for Vice President for health Sciences	2000
Chair of Search Committee for Dean of College of Medicine	2003
Member, Search Committee for Vice Dean College of Medicine, Phoenix Campus	2006
Chair of ACTREC Executive Board	2006-present
Chair of Clinical Scholars Circle	2007-present
Co-Chair of the Integrated Health Sciences Facility Core of the NIEHS-funded Southwest Environmental Health Sciences Center (SWEHSC)	2007-present
Provost's Advisory Council on Strategic Advancement	2009-present
North Central Accreditation Working Team 2	2009-present

VI. GRANTS

Past Funding

Principal Investigator Longitudinal study of asthma from birth to adolescence National Institutes of Health Total Funds \$3,840,834	1996-2001
Principal Investigator Genetic regulation immune maturation in asthma National Institutes of Health Total Funds \$1,359,380	1998-2002
Principal Investigator Childhood Asthma: Early Prevention and Pharmacogenetics National Institutes of Health Total Funds \$3,585,480	1999-2004
Principal Investigator Programs for Genomic Application: Innate Immunity in Heart, Lung and Blood Disease National Institutes of Health Total Funds (Tucson \$4,946,477)	2000-2004
Principal Investigator Chromosome 5q Gene Variant and Asthma-Related Traits National Institutes of Health Total Funds \$2,083,125	2000-2005
Mentor (PI – T Levan) Gene by Environment Interactions in LPS Exposure National Institute of Health and Environmental Science/ NIH Total Funds \$487,536	2000-2005
Principal Investigator Longitudinal Study of Asthma from Birth to Adulthood National Institutes of Health Total Funds \$4,217,009	2001-2006
Principal Investigator Specialized Center Of Research in Cellular and Molecular Mechanisms of Asthma National Institutes of Health Total Funds \$6,640,412	2001-2006
Principal Investigator IL8- and GATA3-mediated Pathways in Asthma Exacerbations National Institutes of Health Total Funds \$2,111,813	2005-2009

Current Funding As Principal Investigator

Principal Investigator 2004-2009
CARE Network: Tucson Clinical Center
National Institutes of Health
Total Funds \$4,521,241

Principal Investigator 2006-2011
Natural History of Asthma from Birth to Early Adult Life
National Institutes of Health
Total Funds \$5,133,550

Principal Investigator 2008-2014
National Children's Study, Arizona Center
National Institute of Child Health and Development
Total Funds \$44,763,001

Principal Investigator 2009-2016
Arizona/Duke Clinical Center for AsthmaNet
National Institutes of Health
Total Funds: \$5,712,373

Current Funding As Collaborating Investigator

Co-Investigator (PI – Halonen) 2004-2009
Microbial Innate Immunity in Asthma Pathogenesis
National Institutes of Health
Total Funds \$3,445,000

Investigator (PI – Lau) 2006-2011
Southwest Environmental Health Sciences Center
National Institutes of Health/National Institute of Environmental Health Sciences
Total Funds: \$5,217,774

VII. PUBLICATIONS

Scholarly Books

1. **Martinez FD**, Godfrey S. Wheezing disorders in the preschool child: pathophysiology and management. Martin Dunitz, London; New York, 2003
2. **Martinez FD** (coeditor). Textbook of Pediatric Respiratory Medicine, 2nd Edition. Taussig LM, Landau LI, Le Souef PN, Martinez FD, Morgan WJ, Sly PD (editors). Mosby, Elsevier Inc., Philadelphia, 2008.

Chapters in Scholarly Books

1. **Martinez FD**, Burrows B. New perspectives on the relationship between respiratory illnesses in childhood and different forms of chronic airflow limitation in adult life. IN: Witek TJ, Schachter EN (eds). Current Issues in Respiratory Public Health JB Lippincott Company 3:104-114. 1990
2. **Martinez FD**. The origins of asthma in early life. IN: Postma DS, Gerritsen J (eds). Bronchitis V. Proceedings of the Fifth International Symposium on Advances in Understanding of Asthma and COPD. Groningen, The Netherlands. Van Gorcum & Comp. 161-169. 1994
3. **Martinez FD**. Wheezing in infants and its relation to asthma. IN: Phelan (ed) Asthma. London, Bailliere's Clinical Paediatrics 3(2):297-306. 1995
4. **Martinez FD**. Major provoking factors and their clinical assessment. IN: Silverman (ed) Viral Infections. Childhood Asthma and Other Wheezing Disorders. London, Chapman & Hall 1995
5. **Martinez FD**. Risk factors: development and natural history. IN: Barnes, P, Grunstein M, Leff A, and Woolcock A (eds). Asthma. Lippincott-Raven Publishers New York 1997
6. **Martinez FD**. Maternal Risk Factors in Asthma. IN: Cardew (ed) Proceedings from the Ciba Foundation

- Symposium 206. Wiley & Sons. Chichester England. pp 233-243. 1997
7. **Martinez FD.** Crecimiento y desarrollo del pulmon desde el primer año de vida (Growth and development of the lung during the first years of life). IN: Meneghello J (ed) Tratado De Pediatría 5th Edition. Editorial Medica Panamericana, en Buena Aires, Argentina Tomo 1;1247-1249. 1999
 8. **Martinez FD.** Development of Asthma in Childhood. IN: Holgate S, Busse W (eds). Asthma and Rhinitis, 2nd Edition. Blackwell Science 1999
 9. **Martinez FD.** Asthma Phenotypes: Wheezy Infants and Wheezy Children. IN: Immunology and Allergy Clinics of North America. Schwartz R (ed) 18(1):25-33. 1999
 10. von Mutius E, **Martinez FD.** Epidemiology of Childhood Asthma. IN: Pediatric Asthma. Murphy S, Kelly W, McWilliams B (eds). 1999
 11. **Martinez FD.** Environment factors in pediatric respiratory disease. IN: Textbook of Pediatric Respiratory Medicine. Taussig LM, Landau LI (eds). Mosby-Year Book pp 6-10. 1999
 12. Stein FR, **Martinez FD.** Mechanisms of disease in childhood asthma. IN: Textbook of Pediatric Respiratory Medicine. Taussig LM, Landau LI (eds). Mosby-Year Book pp 918-934. 1999
 13. **Martinez FD.** Development of asthma through childhood. IN: Asthma and Rhinitis, 2nd Edition. Busse W, Holgate S (eds). pp 1914-1924. 2000
 14. **Martinez FD.** Risk factors for the development of asthma. IN: Pediatric Asthma: an International Perspective. Naspitz C, Szeffler S, Tinkelman D, Warner J (eds). pp 67-82; 2001
 15. **Martinez FD.** The natural history of asthma during childhood. IN: Childhood Asthma and Other Wheezing Disorders 2nd Edition. Silverman M (ed). Pp 215-230 2000
 16. **Martinez FD.** Inhaled corticosteroids and the natural history of asthma. IN: Inhaled Steroids in Asthma Schleimer R, O'Byrne P (eds). pp 623-634; 2002
 17. Snyder LS, **Martinez FD.** Developmental anomalies of the respiratory tract manifesting in the adult. IN: Textbook of Pulmonary Diseases (7th edition). King TE (ed)., 2002
 18. **Martinez FD.** Role of Viral Infection in the Inception of Asthma. IN: Respiratory Infections in Allergy and Asthma. Johnston SL, Papadopoulos N (eds)., 2002
 19. **Martinez FD,** Natural History, Development, and Prevention of Allergic Diseases in Childhood. IN: Middleton's Allergy: Principles & Practice, 6th Edition. Adkinson Jr. F, Yunginer W, Busse W, Bochner B, Holgate S, Simons F (eds)., 2003
 20. **Martinez FD.** History of Wheezing in the Child. IN: Asthma Prevention. Busse W, Lemanske R (eds)., 2005

Journal Articles

1. Imperato C, Ronchetti R, Falagiani I, Criscione S, Gentili S, Gentile G, Macri F, Muratori S, **Martinez FD,** Tramutoli GM. Hyperproduction of IgE and bronchial hyperreactivity: associated characteristics in children with atopic respiratory diseases. Rivista Italiana di Pediatria 1976;2:387-392
2. Ronchetti R, Criscione S, Tramutoli GM, Macri F, **Martinez FD,** Tripodi S, Simonelli N. Asthma and IgE in childhood. Intern J Tissue React (Geneva) 1979;1:19-23
3. Ronchetti R, Martinez, FD, Macri F, Tramutoli GM, Criscione S, Barretta MA, Antognoni G, Bottini E. Environmental and genetical factors in chronic and recurrent respiratory diseases in childhood. Prospect In Pediatria 1980;38:113-120
4. Ronchetti R, Martinez, FD, Falagiani P, Macri F, Criscione S, Tramutoli GM, Imperato C. The role of IgE in childhood asthma. Intern J Clin Pharmac Therapy Toxicol (Munich) 1981;19:36-49
5. **Martinez FD,** Sacerdote MT, Tancredi GC, Macri F, Chetta A, Genova L, Ronchetti R. Bronchodilators in pediatric epidemiology: methodological remarks and preliminary results. IN: Kraemer R (ed). Pediatric Respiratory Physiology and Clinical Aspects of Pediatric Pneumology. Mod Prob Pediatr 1981;21:155-161
6. Ronchetti R, **Martinez FD,** Criscione S, Macri F, Tramutoli GM, Antognoni G, Ciofetta GC, Imperato C. Influence of environmental and family factors on the prevalence of the asthmatic syndrome and the bronchitic syndrome in children. Rivista Italiana di Pediatria 1982;8:5-14
7. Ronchetti R, Lucarini N, Lucarelli P, **Martinez FD,** Macri F, Carapella E, Bottini E. A genetic basis for heterogeneity of asthma syndrome in pediatric ages: role of adenosine deaminase phenotype. J Allergy Clin Immunol 1984;74:81-84
8. Ronchetti R, **Martinez FD,** Bonci E, et al. Epidemiological approach to bronchial reactivity in children. Medicina Toracica 1985;10:313-315
9. **Martinez FD,** Antognoni G, Macri F, Bonci E, Midulla F, DeCastro G, Ronchetti R. Parental smoking enhances bronchial responsiveness in nine-year old children. Am Rev Respir Dis 1988;138:518-523 (commented in an editorial in the same issue: Tager IB. Passive smoking-bronchial responsiveness and atopy. Am Rev Respir

- Dis 1988;13:507-509)
10. **Martinez FD**, Morgan WJ, Wright AL, Holberg CJ, Taussig LM, and the Group Health Medical Personnel. Diminished lung function as a predisposing factor for wheezing respiratory illnesses in infants. *NEJM* 1988;319:1112-1117
 11. Burrows B, **Martinez FD**, Halonen M, Barbee RA, Cline MG. Association of asthma with serum IgE levels and skin-test reactivity to allergens. *NEJM* 1989;320:271-277
 12. Wright AL, Holberg CJ, **Martinez FD**, Morgan WJ, Taussig LM and the Group Health Medical Associates. Breastfeeding and lower respiratory tract illnesses in the first year of life. *BMJ* 1989;229:946-949
 13. Ronchetti R, Macri F, Ciofetta GC, Indinnimeo L, Cutrera R, Bonci E, Antognoni G, **Martinez FD**. Increased serum immunoglobulin E (IgE) and increased prevalence of eosinophilia in nine year old children of smoking parents. *J Allergy Clin Immunol* 1990;86(3):400-407
 14. **Martinez FD**, Taussig LM, Morgan WJ. Infants with upper respiratory illnesses has significant reductions in maximal expiratory flows. *Pediatr Pulmon* 1990;9:91-95
 15. Wright AL, Holberg CJ, **Martinez FD**, Taussig LM and the Group Health Medical Associates. The relationship of parental smoking to wheezing and non-wheezing lower respiratory tract illness in infants. *J Pediatr* 1990;118:207-214
 16. Ronchetti R, Bonci E, **Martinez FD**. Passive smoking in childhood tobacco smoke. *Lung (supplement)* 1990;313-319
 17. Lebowitz MD, Holberg CJ, **Martinez FD**. A longitudinal study of risk factors in asthma and chronic bronchitis in childhood. *Euro J Epidem* 1990;6:341-347
 18. **Martinez FD**. Sudden infant death syndrome and small airway occlusion: facts and hypothesis. *Pediatr* 1991;87(2):190-198
 19. Halonen M, Stern DA, Lyle S, Wright AL, Taussig LM, **Martinez FD**. Relationship of total serum IgE in cord and nine month sera in infants. *Clin Exper Allergy* 1991;21:235-241
 20. **Martinez FD**, Morgan WJ, Wright AL, Holberg CJ, Taussig LM, and the GHMA Pediatricians. Initial airway function is a risk factor for recurrent wheezing respiratory illnesses during the first three years of life. *Am Rev Respir Dis* 1991;143:312-316
 21. Holberg CJ, Wright AL, **Martinez FD**, Ray CG, Taussig LM, Lebowitz MD, and the Group Health Medical Associates. Risk factors for respiratory syncytial virus-associated lower respiratory illnesses in the first year of life. *Am J Epidem* 1991;133:1135-1151
 22. **Martinez FD**, Cline MG, Burrows B. Increased incidence of asthma in children of smoking mothers. *Pediatr* 1992;89(1):21-26
 23. Stern DA, Hicks MJ, **Martinez FD**, Holberg CJ, Wright AL, Pinnas J, Halonen M, Taussig LM. Lymphocyte subpopulation number and function in infancy. *Develop Immun* 1992;2:175-179
 24. Ronchetti R, Bonci E, Cutrera R, DeCastro G, Indinnimeo L, Midulla F, Tancredi G, **Martinez FD**. Enhanced allergic sensitization related to parental smoking. *Arch Dis Child* 1992;67:496-500
 25. Sherrill DL, **Martinez FD**, Lebowitz MD, Holdaway MD, Flannery EM, Herbison GP, Stanton WR, Silva PA, Sears MR. Longitudinal effects of passive smoking on pulmonary function in New Zealand children. *Am Rev Respir Dis* 1992;145:1136-1141
 26. Morgan WJ, **Martinez FD**. Risk factors for developing wheezing and asthma in childhood. *Pediatr Clin North Am* 1992;39:1185-1203
 27. Halonen M, Stern DA, Taussig LM, Wright AL, Ray CG, **Martinez FD**. The predictive relationship between serum IgE levels at birth and subsequent incidences of lower respiratory illnesses and eczema in infants. *Am Rev Respir Dis* 1992;146:866-870
 28. **Martinez FD**, Wright AL, Holberg CJ, Morgan WJ, Taussig LM. Maternal age as a risk factor for wheezing lower respiratory illnesses in the first year of life. *Am J Epidem* 1992;136:1258-1268
 29. Duncan B, Ey J, Holberg CJ, Wright AL, **Martinez FD**, Taussig LM. Exclusive breastfeeding for four months protects against otitis media. *Pediatr* 1993;91(5):867-872
 30. Holberg CJ, Wright AL, **Martinez FD**, Morgan WJ, Taussig LM, and the Group Health Medical Associates. Child day care, smoking by caregivers, and lower respiratory tract illness in the first three years of life. *Pediatr* 1993;91(5):885-892
 31. Sherrill DL, **Martinez FD**, Sears MR, Lebowitz MD. An alternative method for comparing and describing methacholine response curves. *Am Rev Respir Dis* 1993;148(1):116-122
 32. von Mutius E, Nicolai T, **Martinez FD**. Prematurity as a risk factor for asthma in preadolescent children. *J Pediatr* 1993;123:223-229
 33. von Mutius E, **Martinez FD**, Fritsch C, Nicolai T, Thiemann H-H. Differences in the prevalence of asthma and atopic sensitization between East and West Germany. *Am J Respir Crit Care Med* 1994;149(2):358-364
 34. Ronchetti R, Bonci E, DeCastro G, Signoretti F, Macri F, Ciofetta GC, Villa MP, Indinnimeo L, **Martinez FD**.

- Relationship between cotinine levels, household and personal smoking habits and season in 9-14 year old children. *Eur Resp J* 1994;7:472-476
35. von Mutius E, **Martinez FD**, Fritzsche C, Nicolai T, Reitmeir P, Hans-Heinrich T. Skin test reactivity and number of siblings. *BMJ* 1994;308:692-695
 36. **Martinez FD**, Wright AL, Taussig LM. Effect of parental smoking on birth-weight of newborns whose mothers do not smoke. *Am J Pub Health* 1994;84:1492-1494
 37. **Martinez FD**, Holberg CJ, Halonen M, Morgan WJ, Wright AL, Taussig LM. Evidence for Mendelian inheritance of serum IgE levels in Hispanic and non-Hispanic White families. *Am J Hum Genet* 1994;55:555-565
 38. Wright AL, Holberg CJ, **Martinez FD**, Halonen M, Morgan WJ, Taussig LM. Epidemiology of physician diagnosed allergic rhinitis in childhood. *Pediatr* 1994;94(6):895-901
 39. **Martinez FD**, Wright AL, Taussig LM, Holberg CJ, Halonen M, Morgan WJ, and the Group Health Medical Associates. Asthma and wheezing in the first six years of life. *NEJM* 1995;332(3):133-138
 40. **Martinez FD**. Viral infections and the development of asthma. *Am J Respir Crit Care Med* 1995;151:1644-1648
 41. Ey J, Holberg CJ, Duncan B, Aldous M, Wright AL, **Martinez FD**, Taussig LM, GHMA Pediatricians. Passive smoke exposure and otitis media in the first year of life. *Pediatr* 1995;95(5):670-677
 42. **Martinez FD**. Early childhood asthma: what are the questions? *Am J Respir Crit Care Med* 1995;151:s2-s3
 43. Asher MI, Keil U, Anderson HR, Beasley R, Crane J, **Martinez FD**, Mitchell EA, Pearce N, Sibbald B, Steward AW, Strachan D, Weiland SK. International study of asthma and allergies in childhood (ISAAC): rationale and methods. *Euro Respir J* 1995;8:483-491
 44. **Martinez FD**, Holberg CJ. Segregation analysis of physician-diagnosed asthma in Hispanic and non-Hispanic white families. *Clin Exper Allergy* 1995;25(2):95-96
 45. von Mutius E, Sherrill DL, Fritzsche C, **Martinez FD**, Lebowitz MD. Air pollution and upper respiratory tract infections in children from East Germany. *Euro Respir J* 1995;8:723-728
 46. Wright AL, Holberg CJ, Taussig LM, **Martinez FD**. Relationship of infant feeding to recurrent wheezing at age six. *Arch Pediatr Adol Med* 1995;149(7):758-763
 47. **Martinez FD**, Stern DA, Wright AL, Holberg CJ, Taussig LM, Halonen M. Association of interleukin-2 and interferon-gamma production by blood mononuclear cells in infancy with parental allergy skin tests and subsequent development of atopy. *J Allergy Clin Immunol* 1995;96(5):652-660
 48. Burrows B, **Martinez FD**, Cline MG, Lebowitz MD. The relationship between parental and children's serum IgE and asthma. *Am J Respir Crit Care Med* 1995;152:1497-1500
 49. **Martinez FD**, Stern DA, Wright AL, Taussig LM, Halonen M, GHMA. Association of non-wheezing lower respiratory tract illnesses in early life with persistently diminished serum IgE levels. *Thorax* 1995;50:1067-1072
 50. Aldous MB, Holberg CJ, Wright AL, **Martinez FD**, Taussig LM, and the GHMA Pediatricians. Evaporative cooling and other home factors and lower respiratory tract illness during the first year of life. *Am J Epidemiol* 1996;143:423-430
 51. Wright AL, Holberg CJ, Morgan WJ, Taussig LM, **Martinez FD**. Recurrent cough in childhood and its relation to asthma. *Am J Respir Crit Care Med* 1996;153:1259-1256
 52. Dodge R, **Martinez FD**, Cline MG, Lebowitz MD, Burrows B. Early childhood respiratory symptoms and the subsequent diagnosis of asthma. *J Allergy Clin Immunol* 1996;98:48-54
 53. Holberg CJ, Elston RC, Halonen M, Wright AL, Taussig LM, Morgan WJ, **Martinez FD**. Segregation analysis of physician-diagnosed asthma in Hispanic and non-Hispanic White families. *Am J Respir Crit Care Med* 1996;154:144-150
 54. Lombardi E, Wright AL, Morgan WJ, **Martinez FD**. The relation between physician-diagnosed sinusitis, asthma and skin test reactivity to allergens in 8-year-old children. *Pediatr Pulmonol* 1996;22:141-146
 55. Miller AL, Stern DA, **Martinez FD**, Wright AL, Taussig LM, Halonen M. Serum levels of soluble low affinity receptor for IgE and soluble interleukin-2 receptor in childhood, and their relation to age, gender, atopy and allergic disease. *Pediatr Allergy Immunol* 1996;7:68-74
 56. von Mutius E, Illi S, Nicolai T, **Martinez FD**. Relation of indoor heating with asthma, allergic sensitization, and bronchial responsiveness: survey of children in south Bavaria. *BMJ* 1996;312(7044):1448-1450
 57. **Martinez FD**, Britton J. The relationship of childhood respiratory infection to growth and decline in lung function. *Am J Respir Crit Care Med* 1996;154:s240-s245
 58. **Martinez FD**. Progression of asthma from childhood to adolescence. *Eur Respir Rev* 1997;7:8-10
 59. Halonen M, Stern D, Wright AL, Taussig LM, **Martinez FD**. Alternaria as a major allergen for asthma in children raised in a desert environment. *Am J Respir Crit Care Med* 1997;155:1356-1361
 60. **Martinez FD**. Complexities of the genetics of asthma. *Am J Respir Crit Care Med* 1997;156:1-6
 61. **Martinez FD**. The Relationship between impaired lung growth and the onset of bronchial asthma in early life. *Pediatr Pulmonol* 1997;15:9-12

62. Stein RT, Holberg, Morgan WJ, Wright AL, Lombardi E, **Martinez FD**. Peak flow variability and methacholine responsiveness as markers of different wheezing phenotypes in children: a prospective study. *Thorax* 1997;52:946-952
63. Lombardi E, Morgan WJ, Wright AL, Stein RT, Holberg CJ, **Martinez FD**. Cold air challenge at age 6 and subsequent incidence of asthma: a longitudinal study. *Am J Respir Crit Care Med* 1997;156:1863-1869
64. **Martinez FD**, Graves PE, Baldini M, Solomon S, Erickson R. Association between genetic polymorphisms of the β 2-Adrenoceptor and response to albuterol in children with and without a history of wheezing. *J Clin Invest* 1997;100:3184-3188
65. The ISAAC Steering Committee. Worldwide variations in prevalence of symptoms of allergic rhinoconjunctivitis in children: The International Study of Asthma and Allergies in Childhood (ISAAC). *Pediatr Allergy Immunol* 1997;8:161-176
66. The ISAAC Steering Committee. Worldwide variation in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis and atopic eczema: The International Study of Asthma and Allergies in Childhood (ISAAC). *Lancet* 1998;351:1225-1232
67. Martinez F, Helms J. Types of asthma and wheezing. *Eur Respir J* 1998;27:3s-8s
68. **Martinez FD**. Implications of association studies in asthma. *Clin Expir Allergy* 1998;28:93-94
69. Holberg CJ, Morgan WJ, Wright AL, **Martinez FD**. Differences in familial segregation of FEV1 between asthmatic and non-asthmatic families: role of a maternal component. *Am J Respir Crit Care Med* 1998;158:162-169
70. **Martinez FD**. Gene by environmental interactions in the development of asthma. *Clin and Expir Allergy* 1998;28:93-94
71. **Martinez FD**, Stern DA, Wright AL, Taussig LM, Halonen M. Differential immune responses to acute lower respiratory illness in early life by subsequent development of persistent wheezing and asthma. *J Allergy Clin Immunol* 1998;102:915-920
72. **Martinez FD**. Maturation of immune responses at the beginning of asthma. *J Allergy Clin Immunol* 1999;103:355-361
73. **Martinez FD**, Solomon S, Holberg CJ, Graves PE, Baldini M, Erickson RP. Linkage of circulating eosinophils to markers in chromosome 5q. *Am J Resp Crit Care Med* 1998;158:1739-1744
74. Baldini M, Halonen M, Holt P, **Martinez FD**. A polymorphism in the 5'-flanking region of CD14 gene is associated with circulating soluble CD14 levels and with total serum IgE. *Am J Respir Cell Molecular Biol* 1999;20(5):976-983
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As of December 31, 2009, Dr. Martinez's publications have been cited 16,051 times. His h-index is 60.

Editorials

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5. Morgan WJ, **Martinez FD**. Maternal smoking and infant lung function: further evidence for an in utero effect. Am J Respir Crit Care Med 1998;158:689-690
6. **Martinez FD**. Toward asthma prevention—does all that really matters happen before we learn to read? N Engl J Med. 2003 October 9; 349(15): 1473-5.
7. **Martinez FD**. Safety of long-acting beta-agonists – an urgent need to clear the air. N Engl J Med. 2005 Dec; 353(25):2637-9.
8. **Martinez FD**. Inhaled corticosteroids and asthma prevention. Lancet. 2006 Aug; 368(9537):708-10.
9. **Martinez FD**. [Gene-environment interaction in complex diseases: asthma as an illustrative case](#). Novartis Found Symp. 2008;293:184-92; discussion 192-7. Review.
10. **Martinez FD**. The origins of asthma and chronic obstructive pulmonary disease in early life. Proc Am Thorac Soc. 2009 May 1;6(3):272-7. Review.

Special Reports

1. **Martinez FD.** Passive Smoking and Respiratory Disorders Other Than Cancer. IN: Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders. pgs 7-1 to 7-70. Office of Health and Environmental Assessment. Office of Research and Development. US Environmental Protection Agency. Washington DC. This document was the basis for establishing policy the US Government 1992
2. **Martinez FD** and Bayard SP. Assessment of Increased Risk for Respiratory Illnesses in Children From Environmental Tobacco Smoke. IN: Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders. pgs 8-1 to 8-16. Office of Health and Environmental Assessment. Office of Research and Development. US Environmental Protection Agency. Washington DC 1992

VIII. SCHOLARLY PRESENTATIONS AND CONFERENCES (Last 5 Years)

****All presentations and conferences listed below are distinguished as Invited Speaker unless otherwise stated. Presentation titles are not listed****

January 1 to December 31, 2005

- 01/19/05 Transatlantic Airway Conference (TAC), Key Biscayne, FL
01/23/05 Western Society of Allergy, Asthma and Immunology (WSAAI), Princeville, Kauai, Hawaii
02/08/05 Keynote Speaker, Dr. Inge Goldstein Symposium, Department of Epidemiology, Mailman School of Public Health, Columbia University, New York, NY
02/09/05 Pfizer Visiting Professorship in Allergic Disease & Asthma, Department of Pediatrics, Department of Medicine, Washington University in St. Louis, St. Louis, MO
02/23/05 Controversies and New Findings in Allergies, Madrid, Spain
03/03/05 XIX Central American and Caribbean Pulmonary and Thoracic Surgery Congress, Guatemala, Central America
03/13/05 International Society for Aerosols in Medicine (ISAM), Perth, Australia
03/17/05 The Thoracic Society of Australia and New Zealand Inc (TSANZ), Perth, Australia
03/20/05 American Academy of Allergy Asthma and Immunology (AAAAI) Annual Meeting, San Antonio, TX
04/05/05 Asia Pacific Association of Pediatric Allergy, Respiriology and Immunology (APAPARI) and The Korean Academy of Pediatric Allergy and Respiratory Disease (KAPARD) Joint Congress 2005, Seoul, Korea
05/04/05 Excellence in Immunology Seminar, UT Southwestern Medical Center, Dallas TX
05/20/05 Invited Speaker and recipient of the Scientific Accomplishment Award, American Thoracic Society Annual Meeting, San Diego, CA
05/28/05 Meeting on Genetics of Complex Diseases and Isolated Populations. Paestum, Italy
06/08/05 European Respiratory Society Symposium. Oslo, Norway
06/20/05 Invited Instructor, ERS/ATS School Course – MECOR, Prague, Czech Republic
06/25/05 World Allergy Congress. Munich, Germany
07/22/05 Keynote Speaker, Pediatric Grand Rounds at the University of Louisville. Louisville, KY
08/01/05 Naspitz Pediatric Symposium. Sao Paulo, Brazil
08/03/05 XIII Congreso de Alergia Pediatrica & LIX Conreso Nacional de Asma, alergia e Inmunologia. Villahermosa, Tabasco, Mexico
08/26/05 South African Allergy Society. Durban, South Africa
10/06/05 Understanding Airway Diseases: A Celebration of the Firestone Institute, Firestone Institute for Respiratory Health and McMaster University. Hamilton, Ontario, Canada.

January 1 to December 31, 2006

- 02/06/06 Pfizer Visiting Professorship in Allergic Disease and Asthma, Vanderbilt University, Nashville, TN
02/07/06 Pediatric Grand Rounds, Vanderbilt University, Nashville, TN
02/08/06 Pediatric Grand Rounds, Children's Hospital at Montefiore, Bronx, NY
02/10/06 Immunology Grand Rounds, Mount Sinai Hospital, Manhattan, NY
03/03/06 Special Seminar, Managing Asthma: 21st Century Tools, American Lung Association of Kansas, Kansas City, MO
03/06/06 American Academy of Allergy Asthma and Immunology (AAAAI) Annual Meeting, Miami Beach, FL
03/09/06 Guidelines on Rhinitis, Asthma and COPD, Major Italian Respiratory Sciences, Modena, Italy
03/21/06 Groningen Research Institute on Asthma and COPD (GRIAC) Meeting, Groningen, Netherlands
03/24/06 Dutch Research School for Allergy (DRS) Meeting, Soesterberg, Netherlands
04/01/06 Chest 2006 Celebration of Pediatric Pulmonology, San Juan, PR

- 04/07/06 Keystone Symposia on Molecular and Cellular Biology: Allergy, Allergic Inflammation and Asthma, Breckenridge, CO
- 04/29/06 2006 Pediatric Academic Societies Annual Meeting (PAS). San Francisco, CA
- 05/04/06 Sandler Program for Asthma Research (SPAR) Annual Meeting, San Francisco, CA
- 05/22/06 American Thoracic Society Meeting Annual Meeting, San Diego, CA
- 06/09/06 Specialists Conference on Asthma University Program, Tel Aviv, Israel
- 07/10/06 7th International Congress on Pediatric Pulmonology (CIPP VII), Montreal, Canada
- 07/23/06 California Society of Allergy, Asthma & Immunology, A Midsummer Night's Wheeze, Huntington Beach, CA
- 08/19/06 VII Congress of Pediatric Asthma, Bogota, Columbia
- 10/14/06 Asthma Congress, Guadalajara, Mexico
- 11/17/06 Keynote Speaker "Safety of Long Acting Beta2-Agonist", Highlights in Allergy and Respiratory Disorders, Genoa, Italy

January 1 to December 31, 2007

- 01/18/07 22nd Annual Transatlantic Airway Conference, Lucerne, Switzerland
- 02/03/07 McGill 10th Annual Meakins-Christie Workshop in Asthma and COPD, Montreal, Canada
- 02/20/07 Pfizer Visiting Professorship in Pulmonary Medicine, Stanford University, Palo Alto, CA
- 02/24/07 American Academy of Allergy Asthma and Immunology (AAAAI) Annual Meeting, San Diego, CA
- 03/16/07 REM Respiratory Meeting for Latin America, Rio De Janeiro, Brazil
- 03/20/07 Cornell University Grand Rounds, New York, NY
- 03/21/07 Brooklyn Hospital Center Grand Rounds, Brooklyn, NY
- 03/28/07 Societa' Italiana di Allergologia ed Immunologia Pediatrica (SIAIP) meeting, Florence, Italy
- 04/13/07 The Korean Academy of Pediatric Allergy and Respiratory Disease (KAPARD), Seoul, Korea
- 04/25/07 Herman Wells Seminar, Indianapolis, IN
- 05/20/07 American Thoracic Society Meeting Annual Meeting, San Francisco, CA
- 06/01/07 University of California San Diego (UCSD) Pediatrics & Rady Children's Hospital Grand Rounds, San Diego, CA
- 06/21/07 World Asthma Meeting, Istanbul, Turkey
- 08/03/07 50th Annual Pediatric Congress, Sonora, Mexico
- 09/28/07 40th Annual American Respiratory Care Foundation Journal Conference, Scottsdale, AZ
- 10/05/07 1st International Congress on Exacerbations of Airway Disease (ICEAD), San Juan, PR
- 10/18/07 Barcelona Asma Internacional, Barcelona, Spain
- 11/09/07 The Novartis Foundation & University of Otago Symposia, Dunedin, New Zealand
- 11/15/07 SOLANEP Meeting, Mar del Plata, Argentina
- 12/04/07 World Allergy Congress (WAC), Bangkok, Thailand

January 1 to December 31, 2008

- 03/14/08 American Academy of Allergy, Asthma & Immunology (AAAAI) Annual Meeting, Philadelphia, Pennsylvania
- 03/31/08 CIPP VIII Meeting, Nice, France
- 04/16/08 Sikand Visiting Professorship & Chest State Lecture, Yale University Medical School, New Haven, Connecticut
- 05/18/08 Amberson Lectureship Seminar, American Thoracic Society Annual Meeting, Toronto, Ontario, Canada
- 05/19/08 American Thoracic Society Annual Meeting, Toronto, Ontario, Canada
- 06/05/08 Aspen Lung Conference, Aspen, Colorado
- 06/07/08 Italian Society of Respiratory Medicine in Infants (SIMRI) Congress, Bologna, Italy
- 06/08/08 European Academy of Allergology and Clinical Immunology (EAACI) Meeting, Barcelona Spain
- 11/06/08 ERS/GA2LEN Research Seminar, "Post Genome Respiratory Epidemiology II: an interdisciplinary challenge", Cernay, France
- 12/03/08 Pediatric Grand Rounds, Children's National Medical Center, Washington, DC

January 1 to December 31, 2009

- 01/26/09 Western Society of Allergy, Asthma and Immunology (WSAAI), Maui, Hawaii

02/05/09 Pediatric Grand Rounds, University of Wisconsin, Madison, Wisconsin
02/19/09 Grand Reunion & Jornades de Pediatria, Madrid, Spain
03/12/09 Postgraduate Course, Advances in Translational Science (Asthma Genetics), Tucson, Arizona
03/16/09 American Academy of Allergy, Asthma & Immunology (AAAAI) Annual Meeting, Washington, DC
05/04/09 Keynote Speaker, Donald K. Buffmire Visiting Lecturer, University of Arizona Phoenix Campus, Phoenix, Arizona
05/17/09 American Thoracic Society Annual Meeting, San Diego, California
06/30/09 Keynote Speaker, Donald K. Buffmire Visiting Lecturer, University of Arizona, Tucson, Arizona
08/01/09 Pediatric Grand Rounds and Amos Christie Lecture, Vanderbilt University, Nashville, Tennessee
09/10/09 Mailman School of Public Health Seminar, Columbia University, New York, New York
09/12/09 Philip Fireman Lecture, Fourth Annual Nemaclin Asthma Conference, Allegheny General Hospital, Farmington, PA
10/02/09 35th Congreso Argentino de Pediatria, Ciudad de Rosario, Argentina
11/06/09 American College of Allergy, Asthma and Immunology Annual Meeting, Miami Beach, FL
11/12/09 Hong Kong Society of Pediatric Respiriology, Hong Kong

January 1 to June 1, 2010

01/21/10 NIAID Grand Rounds & Clinical Immunology Course, Bethesda, MD
02/27/10 American Academy of Allergy, Asthma and Immunology (AAAAI) Annual Meeting, New Orleans, LA
03/05/10 Annual Meeting on Update of Italian Guidelines for Rhinitis, Asthma and COPD, Bologna, Italy
03/10/10 CME-ICAP Masters Class, Venice, Italy
04/17/10 2nd International Congress on Exacerbation of Airway Disease (ICEAD), Miami Beach, FL
04/24/10 Arizona Asthma Coalition Annual Asthma Conference, Tucson, AZ
05/14/10 American Thoracic Society (ATS) Annual Meeting, New Orleans, LA