

CURRICULUM VITAE

NAME: Octavio Ramilo

OFFICE ADDRESS: Nationwide Children's Hospital
Infectious Diseases ED 155
700 Children's Drive
Columbus, OH 43215

EDUCATION: Facultad de Medicina, Universidad Complutense,
Madrid, Spain
October 1975 - July 1981

POSTGRADUATE TRAINING :

1983- 1987: Residency, Department of Pediatrics Hospital "12 Octubre",
Universidad Complutense, Madrid, Spain

1987-1990: Fellowship, Pediatric Infectious Diseases
Infectious Disease Research Mentor George H. McCracken Jr., M.D.
University of Texas Southwestern Medical Center

1990-1993: Postdoctoral Research Training in Immunology
Mentors Ellen S. Vitetta, Ph.D. & Jonathan Uhr, M.D.
University of Texas Southwestern Medical Center

ACADEMIC APPOINTMENTS:

1990-1993: Assistant Instructor, Pediatrics and Microbiology
University of Texas Southwestern Medical Center

1993-1999: Assistant Professor, Pediatrics and Microbiology
Member, Cancer Immunobiology Center
University of Texas Southwestern Medical Center

1993-09 Member, Molecular Microbiology and Immunology Graduate Programs,
Division of Cell and Molecular Biology,
University of Texas Southwestern Medical Center

- 1999-2004 Associate Professor, Pediatrics and Microbiology
and Cancer Immunobiology Center
University of Texas Southwestern Medical Center
- 2003-09 Clinical Director, Ryan White Title IV Programs (DFAN & Youth Angle)
University of Texas Southwestern Medical Center
- 2004-09 Professor, Department of Pediatrics & Cancer Immunobiology Center
University of Texas Southwestern Medical Center.
- 2009-- Professor of Pediatrics, The Ohio State University College of Medicine,
Columbus, OH
- 2009 -- Principal Investigator, Center for Vaccines and Immunity,
The Research Institute at Nationwide Children's Hospital, Columbus, OH

HOSPITAL APPOINTMENTS

- 1993-09 Attending Physician, Children's Medical Center of Dallas
and Parkland Memorial Hospital
- 2002- 06 Medical Director of Clinical Research
Children's Medical Center of Dallas, Texas
- 2003-09 Medical Director, AIDS Related Medical Services (ARMS)
Children's Medical Center of Dallas, Texas
- 2009-- Chief, Section of Infectious Diseases, Department of Pediatrics
Nationwide Children's Hospital, Columbus, OH

CERTIFICATIONS:

M.D.: Facultad Medicina, Universidad Complutense, Madrid, Spain, July 1981

Pediatrics Specialist: Facultad Medicina, Universidad Complutense, Madrid, Spain,
March 1987

FMGEMS: March 1987

American Board of Pediatrics: October 1994

American Board of Pediatric Infectious Diseases: October 1999. Recertified October 2006

AWARDS:

Award Real Academia de Medicina (Spain) for Scholar Achievement, 1983

Career Investigator Award, American Lung Association, 2000

PROFESSIONAL SOCIETIES:

- American Academy of Pediatrics
- American Society for Microbiology
- Pediatric Infectious Disease Society
- Sociedad Latinoamericana de Infectología Pediátrica
- Infectious Diseases Society of America & HIV Medicine Association
- Society for Pediatric Research
- American Pediatric Society

NATIONAL & INTERNATIONAL REVIEW SERVICE

- Member, Committee for Research. National AIDS Program, Ministry of Health, Spain (1997-2003)
- Member, Advisory Committee on Antibiotic Treatment of Acute Respiratory Infections in Children. Ministry of Health, Spain (1998)
- External Advisor, Fundación para la Investigación y Prevención del SIDA (FIPSE). Spain (1999-2008)
- Member, Bacterial Meningitis Advisory Committee, Texas Higher Education Coordinating Board, (2001)
- Board of Directors, National Pediatric Infectious Disease Foundation (2001--)
- External reviewer, National Institute for Environmental Health Sciences Center, Sealy Center for Environmental Health and Medicine, University of Texas Medical Branch Galveston, Texas (2002)
- National Heart Lung and Blood Institute, National Institutes of Health, Program Project Grant Special Review Committee (2003)

- Advisory Board, Medimmune Fellowship on Viral Respiratory Infections, presented at the Pediatric Academic Societies Meeting (2004-2009)
- External reviewer, McLaughlin Fellowship Fund, University of Texas Medical Branch Galveston, Texas (2004)
- Reviewer, Medimmune Fellowship Grants on Respiratory Viruses (2004-2008)
- External reviewer, Consejo Superior FONDECYT, Santiago, Chile (2005)
- External reviewer, National Institute for Environmental Health Sciences Center, Sealy Center for Environmental Health and Medicine, University of Texas Medical Branch, Galveston, Texas (2005)
- External reviewer, Wellcome Trust, United Kingdom, (2007)
- Ad Hoc reviewer, NIH, Lung Cellular, Molecular, and Immunobiology Study Section (2007)
- Contributor, Red Book 2009, Report of the Committee on Infectious Diseases, American Academy of Pediatrics (2007)
- Mentor, K12 Clinical Scholars Program, UTSW (2007-09)

MEDICAL SCHOOL AND HOSPITAL COMMITTEES

- Infection Control Committee, Children's Medical Center of Dallas, TX (1999-2004)
- Immunology Graduate Program, Membership Committee, UT Southwestern Medical Center, Dallas, TX (1999--2009)
- Pharmacy and Therapeutics Committee, Children's Medical Center of Dallas (2002--06)
- Chair, Children's Medical Center of Dallas Clinical Research Advisory Committee (2002--06)
- Six-Year Planning Committee for Research, UT Southwestern Medical Center, (2003)
- Quality Enhancement Plan Committee, UT Southwestern Medical Center, (2007)

SCIENTIFIC JOURNALS:

Editorial Board

Anales Españoles de Pediatría (2006--)

Ad Hoc Reviewer

The Pediatric Infectious Disease Journal,
 The Journal of Infectious Diseases,
 The Journal of Pediatrics,
 Clinical Infectious Diseases
 Proceedings National Academy of Sciences
 Clinical Immunology
 Journal of Virology

Vaccine
Pediatrics
American Journal for Respiratory and Critical Care Medicine

GRANT SUPPORT

ONGOING PROJECTS

1-H34MCO8509-01-00 9/1/07 - 8/30/10
HRSA EMSC Targeted Issues,
Ramilo, PI
Diagnostic signatures in febrile infants

Ramilo (PI) 1/1/07 - 12/30/09
Meningitis Research Foundation
Transcriptional Signatures for Diagnosis and Assessing Disease Severity
in Bacterial Meningitis

MedImmune Inc. 10/1/07 -- ongoing
Ramilo (PI)
MI-CP141: A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study to
Evaluate a Single Intravenous Dose of Motavizumab (MEDI-524), a Humanized
Enhanced Potency Monoclonal Antibody Against Respiratory Syncytial Virus
(RSV), for the Treatment of Children Hospitalized with RSV Illness

MedImmune Inc. 06/1/08 -- ongoing
Ramilo (PI)
Laboratory Analyses of MI-CP141 RSV Treatment Study

2R01 AR050770-05A1 9/1/08 - 8/30/13
Pascual (PI)
Ramilo (Co-inv)
“Use of microarrays to understand systemic arthritis”

5 R01 FD 003514-02 5/1/09 - 8/31/13
Ramilo (Site PI) Burns (PI)
“Randomized, double-blind, placebo-controlled, multicenter trial of infliximab
plus intravenous immunoglobulin for primary treatment of acute Kawasaki
disease”. This two-site clinical trial evaluates the role of an anti-TNF

monocloal antibody (infliximab) with IVIG as primary therapy for children presenting with Kawasaki Disease

NIAID/ Baylor Research Institute 07/01/09 - 06/30/11
Harnessing Human DC subsets for Improved Mucosal Vaccines-H1N1 subproject
Ramilo (Site PI) Banchereau (Overall PI)
The goal is this project is to chracterize the immuneprofiles of individuasl infected with H1N1 Influenza virus

COMPLETED PROJECTS

HRSA 2-H12 HA 00036-19-00 8/1/03 -- 7/31/12
Ramilo (PI)
Dallas Family Access Network (DFAN). Ryan White Title IV Program

HRSA 2-H12 HA 23052-07-00 8/1/03 -7 /31/12
Ramilo (PI)
Youth Angle. Ryan White Title IV Program Adolescent Initiative
(3 projects transferred to other PI when moved to OSU and NCH)

1U19AI057234-010003 10/1/03- 3/31/09
NIAID
Ramilo (PI Project 3)
Diagnosis of Infections in Humans with Microarrays

Ramilo (PI) 02/01/06 -07/01/09
MedImmune Inc.
Anti-RSV antibodies modulate acute and chronic gene expression changes induced by RSV infection

Ramilo (PI) 07/01/06 - 06/30/09
DANA Foundation
Consortium to Analyze Tolerogenic DCs in RSV Infection

1 R21 AI054990-01A1 4/15/04 - 3/30/07
NIAID
Ramilo (PI)

Dendritic Cells, RSV and Influenza infection in Children

Ramilo (PI) 1/1/03 -01/03/07
Abbott Laboratories
A microarray-based approach to characterize the effect of clarithromycin therapy on the immune response patterns induced by different respiratory pathogens

Ramilo (PI) 11/1/03 -04/30/06
MedImmune Inc.
A Pilot Study to Describe the Incidence Rate and Clinical Features of Human Metapneumovirus (hMPV) Infection of the Lower Respiratory Tract in Hospitalized Children at High Risk for Severe Disease

Ramilo (PI) 01/14/05 - 12/31/05
MedImmune Inc.
Potential Application of Anti-RSV Antibodies for the prevention of Chronic RSV disease

N01-HD-3-3162 11/1/03-10/31/05
NICHD
Ramilo (PI, Pediatric Component)
Pediatric AIDS Clinical Trials Group; Westat Subcontract

Ramilo (PI) 1/1/03 -1/1/08
GlaxoSmithKline
A 48 Week, Phase II, Open-Label, Multi-Cohort, Multicenter Study to Evaluate the Safety, Tolerability, Pharmacokinetics and Antiviral Activity of GW433908/Ritonavir QD and GW433908/Ritonavir BID when Administered to HIV-1 Infected Antiretroviral Naive and Experienced, Pediatric Subjects 2 to 18 Years Old

Ramilo (PI) 10/1/03 -9/30/04
MedImmune Inc.
Comparative Analysis Numax vs Synagis on viral replication, acute disease severity and long-term sequelae of infection in the murine model

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| Ramilo (PI) MedImmune Inc. Impact of Synagis on RSV-induced Airway Hyperresponsiveness | 11/01/01 - 09/30/03 |
| Ramilo (PI) American Lung Association Career Investigator Award Chemokines: Role in infection-associated asthma | 7/1/00 -- 6/30/03 |
| Ramilo (PI) Abbott Laboratories ABT-378 in HIV-infected children | 7/1/99 -- 8/1/02 |
| Vitetta/Ramilo (Co-PIs) Texas State Board of Higher Education An Immunotoxin to eliminate cells latently-infected with HIV | 1/1/00 - 12/31/01 |
| R01 AI48428-01A1 NIAD Vitetta (PI) Ramilo (Co-investigator) Latent Reservoir of HIV | 07/01/01 - 06/30/04 |
| Ramilo/Jafri (Co-PIs) Abbott Laboratories ABT-773 in experimental pneumonia | 6/1/00 -- 12/30/02 |
| Ramilo (PI) MedImmune Inc. Impact of Synagis treatment on cytokine concentrations in children with RSV infection | 3/01/99 - 2/01/00 |
| Ramilo (PI) Viropharma. Inc. Pleconaril for Enteroviral meningitis | 06/01/99 -12/30/99 |
| Ramilo/McCracken (Co-PIs) Abbott Laboratories The immunomodulatory role of clarithromycin in experimental pneumonia | 6/1/98 -- 12/1/01 |
| Ramilo (PI) | 02/01/97 - 07/31/98 |

Glaxo Welcome, Inc.
Effect of 3TC on Latently HIV-infected T cells

Ramilo (PI) 03/01/98 - 02/01/99
Bristol-Myers Squibb
Comparative antiviral effect of ddl and d4T on Latently HIV-infected cells

40005-1-ET-COH
Ramilo (PI) 9/1/97 -- 8/31/99
Pediatric AIDS Foundation
Early Treatment Study

Ramilo (PI) 09/01/98 --12/31/99
Glaxo Welcome, Inc.
Substudy of antiretroviral therapy of HIV-1 associated encephalopathy in children: Effect on cerebrospinal fluid virologic and immunologic markers

Ramilo/Sanchez 7/1/96 - 6/1/97
MedImmune, Inc.,
Phase II of MEDI-493 RSV monoclonal antibody in intubated children with RSV infection.

TRAINEES

POSTDOCTORAL FELLOWS

- Jozef Borvak, Ph.D. 1992-94 (Jointly with Dr. Ellen Vitetta)
- Ching Shen Chou, Ph.D. 1993-95 (Jointly with Dr. Ellen Vitetta)
- Paul Sheeran, M.D. 1997-98
- Hasan S. Jafri, M.D. 1997-99
- Cynthia C. McCoig. M.D. 1996-99 & 2000-01 (Jointly with Dr. Ellen Vitetta)
- Cecilia Carubelli. M.D. 1997-99

- Robert Doug Hardy, M.D. 1998-01 (Jointly with Dr George McCracken, Pediatric Infectious Disease Society Fellowship Award)
- Jesus Saavedra, M.D. 1998-2003 (Jointly with Dr. Ellen Vitetta)
- Michelle A. Gill, M.D., Ph.D. 1999-2003 (Jointly with Drs. Karolina Palucka & Jacques Banchereau; Pediatric Infectious Disease Society Fellowship Award)
- Jimbo Xu, Ph.D. 2001-02 (Jointly with Dr. Ellen Vitetta)
- Yanying Cao, Ph.D. 2001-03 (Jointly with Dr. Ellen Vitetta)
- Asuncion Mejías, MD 2001-2007 (Jointly with Dr H. Jafri; Ausonia & Arbora Grant from the Spanish Pediatric Association; Medimmune Fellowship Award in Respiratory Infections)
- Susana Chavez-Bueno, MD 2001-2005 (Jointly with Dr. Hasan Jafri; Pediatric Infectious Disease Society Fellowship Award)
- Wendy Chung, M.D., M.P.H. 2002-2005 (Pediatric Infectious Disease Society Fellowship Award)
- Theresa Kwong, M.D. 2003-2004 (Jointly with Dr. Michelle Gill)
- Monica Ardura, D.O. 2005- 2008
- Dora Estripeaut, M.D. 2006 -07 (Jointly with Drs. H. Jafri and D. Chaussabel)
- Maria de Salas, M.D. 2006-07 (Jointly with Dr. Michelle Gill)
- Steve Grube, M.D. 2006-09 (Jointly with Drs. M. Gill & H. Jafri)
- Juan Pablo Torres, M.D., Ph.D. 2007-08 (jointly with Dr. A. Mejías)
- Michael Chang, M.D. 2007 -09 (jointly with Dr. A. Mejias; Medimmune Fellowship Award in Respiratory Infections)
- Carla Garcia, M.D. 2007 -09 (jointly with Drs. P. Revell and A. Mejias; Medimmune Fellowship Award in Respiratory Infections)
- Alejandra Soriano, M.D. 2008 -09 (jointly with Dr. A. Mejías)

- Alejandro Jordan-Villegas, M.D. 2008-present (jointly with Dr. A. Mejías)
Pediatric Infectious Disease Society Fellowship Award
- Benyachalee Techasaensiri. M.D. 2008-09

GRADUATE STUDENTS

- Romain Banchereau (Immunology; 2007 - present)

DISSERTATION COMMITTEES

- Cathy Ulich (Molecular Microbiology, 1999)
- Greg Van Dyke (MSTP-Immunology, 2001)
- Kenneth Bell (Molecular Microbiology, 2001)
- Vijay Bhoj (Molecular Biology, 2008)

MENTOR OF CLINICAL SCHOLARS PROGRAM (K12), UTSW

- Asuncion Mejías, M.D. (2007--2009)
- Monica Ardura, D.O. (2007--2010)

PUBLICATIONS (PEER-REVIEWED JOURNALS):

1. Villa JR, Bustos G, **Ramilo O**, Conde J, Albert JL. Importancia de la bacteriemia en niños menores de 2 años con fiebre sin foco. An. Esp. Pediatr. 1986; 25:317-321
2. Sanz F, **Ramilo O**, Alba C, Villalpando JL, Fernández-Epifanio JL, Noriega AR. Vaginitis gonocócica en recién nacido. An. Esp.Pediatr. 1988; 29:71-2.
3. **Ramilo O**, Kinane BM, McCracken GH, Jr. Chloramphenicol neurotoxicity. Pediatr Infect Dis J. 1988; 7(5):358-359.

4. Mustafa MM, **Ramilo O**, Syrogiannopoulos GA, Olsen KD, McCracken GH Jr., and Hansen EJ. Induction of meningeal inflammation by outer membrane vesicles of Haemophilus influenzae type b. *J Infect Dis* 1989; 159(5): 917-922.
5. McCracken GH Jr, Mustafa MM, **Ramilo O**, Olsen KD and Risser RC. Cerebrospinal fluid interleukin 1- β and tumor necrosis factor concentrations and outcome from neonatal Gram-negative enteric bacillary meningitis. *Pediatr Infect Dis J* 1989; 8(3):155-159.
6. Mustafa MM, Lebel MH, **Ramilo O**, Olsen KD, Reisch JS, Beutler B, and McCracken GH Jr. Correlation of interleukin-1 β and cachectin concentrations in cerebrospinal fluid and outcome from bacterial meningitis. *J Pediatr* 1989; 115(2):208-213.
7. Mertsola J, **Ramilo O**, Sáez-Llorens X, Hanson MS, McCracken GH, Jr, Hansen EJ. Specific detection of Haemophilus influenzae type b lipooligosaccharide by a polymyxin B monoclonal antibody assay. *J Immunol Methods* 1989; 122:219-226.
8. Mustafa MM, **Ramilo O**, Olsen KD, Franklin P, Hansen EJ, Beutler B, and McCracken GH Jr. Tumor necrosis factor in the mediation of experimental Haemophilus influenzae type b meningitis. *J Clin Invest* 1989; 84:1253-1259.
9. Mustafa MM, **Ramilo O**, Mertsola J, Risser RC, Beutler B, Hansen EJ and McCracken GH Jr. Modulation of inflammation and cachectin activity in relation to treatment of experimental Haemophilus influenzae meningitis. *J Infect Dis* 1989; 160(5):818-825.
10. Mustafa MM, Mertsola J, **Ramilo O**, Sáez-Llorens X, Risser RC and McCracken GH Jr. Increased endotoxin and interleukin-1 β concentrations in cerebrospinal fluid of infants with coliform meningitis and ventriculitis associated with intraventricular gentamicin therapy. *J Infect Dis* 1989; 160(5):891-895.
11. Sáez-Llorens X, Mustafa MM, **Ramilo O**, Fink C, Beutler B and Nelson JD. Tumor necrosis factor and interleukin-1 in synovial fluid of infants and children with suppurative arthritis and non-infectious arthritides. *Am J Dis Child* 1990; 144:353-356.
12. **Ramilo O**, Mustafa MM, Porter J, Sáez-Llorens X, Mertsola J, Olsen KD, Luby JP, Beutler B, McCracken GH, Jr. Detection of Interleukin-1 β but not tumor necrosis factor- α in CSF of children with aseptic meningitis. *Am J Dis Child* 1990; 144:349-352.

13. Sáez-Llorens X, **Ramilo O**, Mustafa MM, Mertsola J, de Alba C, Hansen E and McCracken GH Jr. Pentoxifyllin modulates meningeal inflammation in experimental bacterial meningitis. *Antimicrob Agents Chemother* 1990; 34:837-843.
14. Mustafa MM, **Ramilo O**, Sáez-Llorens X, Magness R and McCracken GH Jr. Prostaglandins IL-1b and TNF and bacterial meningitis: Clinical and laboratory correlations in placebo and dexamethasone treated patients. *Am J Dis Child* 1990; 144:883-887.
15. Mustafa MM, **Ramilo O**, Sáez-Llorens X, Mertsola J, Magness R, McCracken GH Jr. Prostaglandins IL-1b and TNF in infants and children with bacterial meningitis. *Pediatr Infect Dis J* 1989; 8:921-922.
16. Mustafa MM, **Ramilo O**, Sáez-Llorens X, Mertsola J, Hansen EJ, McCracken GH Jr. Tumor necrosis factor in experimental bacterial meningitis. *Pediatr Infect Dis J* 1989; 8:907-908.
17. Sáez-Llorens X, **Ramilo O**, Mustafa MM, Mertsola J, Hansen EJ, McCracken GH Jr. Pentoxifyllin modulates H. influenzae type meningitis. *Pediatr Infect Dis J* 1989; 8:922-923.
18. Mertsola J, **Ramilo O**, Mustafa MM, Sáez-Llorens X, Hansen EJ, McCracken GH Jr. Antibiotic-associated inflammation and its modulation in bacterial meningitis. *Pediatr Infect Dis J* 1989; 8:904-905.
19. **Ramilo O**, Mustafa MM, Sáez-Llorens X, Mertsola J, Ohkawara S, Yoshinaga M, Hansen EJ, McCracken GH Jr. Role of Interleukin-1b in meningeal inflammation. *Pediatr Infect Dis J* 1989; 8:909-910.
20. Sáez-Llorens X, **Ramilo O**, Mustafa MM, Mertsola J, McCracken GH Jr. The molecular pathophysiology of bacterial meningitis: Current concepts and therapeutic implications. *J Pediatr* 1990; 116:671-684.
21. Mertsola J, Munford RS, **Ramilo O**, Sáez-Llorens X, Mustafa MM, McCracken GH Jr., Hansen EJ. Specific detection of Haemophilus influenzae type b lipooligosaccharide by immunoassay. *J Clin Microb* 1990; 28:2700-2716.
22. **Ramilo O**, Sáez-Llorens X, Mertsola J, Jafari H, Olsen KD, Hansen EJ, Yoshinaga M, Ohkawara S, Nariuchi H, McCracken GH Jr. TNF α /cachectin and interleukin-1 β initiate meningeal inflammation. *J Exp Med* 1990; 172:497-507.

23. Jafari HS, Saez-Llorens X, **Ramilo O**, Shelton SL, McCracken GH Jr. Pharmacokinetics and antibacterial efficacy of cefpirome (HR 810) in experimental E. coli and Haemophilus influenzae type b meningitis. *Antimicrob Agents Chemother* 1991; 35:220-223.
24. Mertsola J, Cope LC, Saez-Llorens X, **Ramilo O**, Kennedy W, McCracken GH Jr., Hansen EJ. In vivo and in vitro expression of Haemophilus influenzae type b lipooligosaccharide epitopes. *J Infect Dis* 1991; 164: 555-563.
25. Unhanand M, Maciver I, **Ramilo O**, Arencibia-Mireles O, Argyle JC, McCracken GH Jr and Hansen EJ: Pulmonary clearance of Moraxella catarrhalis in an animal model. *J Infect Dis* 1992; 165: 644-650.
26. Bell KD, **Ramilo O** and Vitetta ES. Combined use of an immunotoxin and cyclosporine to prevent both activated and quiescent peripheral blood T cells from producing HIV-1. *Proc Natl Acad Sci USA* 1993; 90: 1411-1415.
27. **Ramilo O**, Bell KD, Uhr JW and Vitetta ES. The role of CD25⁺ and CD25⁻ T cells in an acute HIV infection in vitro. *J Immunol* 1993; 150: 5202-5208.
28. Amlot PL, Stone MJ, Cunningham D, Fay J, Newman J, Collins R, May RD, McCarthy M, Richardson J, Ghetie V, **Ramilo O**, Thorpe PE, Uhr JW, and Vitetta ES. A Phase I study of an anti-CD22 deglycosylated ricin A chain immunotoxin in the treatment of B cell lymphomas resistant to conventional therapy. *Blood* 1993; 82:2624-2633.
29. Paris M, **Ramilo O**, and McCracken G H Jr. Management of meningitis caused by penicillin-resistant Streptococcus pneumoniae. *Antimicrob Agents Chemother.* 1995; 39:2171-2175.
30. Hicks P, Bennet M, Squires J, and **Ramilo O**. Long chain 3 hydroxyacyl-CoA dehydrogenase abnormalities in an HIV-infected newborn with deterioration in liver function. *J Pediatr.* 1995; 127:599-602.
31. Borvak J, Chou C-S, Bell K, Van Dyke G, Zola H, **Ramilo O**, and Vitetta E. The expression of CD25 defines PBMCs with productive versus latent HIV infection. *J Immunol.* 1995; 155:3196-3204.
32. **Ramilo O**, Hicks P, Borvak J, Gross L, Zhong D, Squires J, and Vitetta E. T cell activation and HIV replication after Influenza immunization in HIV-infected children. *Pediatr Infect Dis J.* 1996; 15:197-203.

33. Aebi C, Ahmed A, and **Ramilo O**. Bacterial complications of primary varicella infection in children. *Clin Infect Dis*. 1996; 23:698-705.
34. Borvak J, Chou C-S, Van Dyke G, Vitetta E, and **Ramilo O**. The use of cyclosporine, FK506 and SDZ NIM811 to prevent CD25- quiescent peripheral blood mononuclear cells from producing HIV-1. *J Infect Dis*. 1996; 174:850-853.
35. Chou C-S, **Ramilo O**, Vitetta E. Highly purified CD25- resting T cells cannot be infected *de novo* with HIV-1. *Proc Natl Acad Sci USA* 1997; 94:1362-1365.
36. Aebi C., and **Ramilo O**. Metacarpal osteomyelitis complicating varicella-associated cellulitis of the hand: Report of two cases. *Scand J Infect Dis*. 1998; 30:306-309
37. Saez-Llorens X., Castaño E., Null D., Steichen J., Sánchez P., **Ramilo O.**, Top F., Connor E., and the MEDI-493 Study Group. Safety and pharmacokinetics of an intramuscular monoclonal antibody to Respiratory syncytial virus in premature infants and infants with bronchopulmonary dysplasia. *Pediatr Infect Dis*. 1998 ; 17:787-91.
38. Saez-Llorens X., and **Ramilo O**. Early experience with protease inhibitors in HIV-infected children. *Pediatr Infect Dis*. 1998; 17:728-738.
39. Malley R., De Vincenzo J., **Ramilo O.**, Dennehy P.H., Meissner C., Gruber W.C., Sánchez P., Jafri H., Balsey J., Carlin D., Buckingham S, Vernacchio L., Ambrosino, D.M. Reduction of Respiratory syncytial virus (RSV) in tracheal aspirates in intubated infants using a humanized monoclonal antibody to RSV F protein. *J. Infect. Dis*. 1998; 178:1555-61
40. Keiser P, Turner D, Kvanli ME, **Ramilo O**, and Smith JW. The efficacy and tolerability of once daily DDI in versus twice daily DDI in the treatment of HIV Infection. *Clin Infect Dis* 1998; 27:400-401
41. Sheeran P., Jafri H., Carubelli C., Saavedra J., Johnson C., Krisner K., Sánchez P., **Ramilo O**. Elevated concentrations of cytokines in the nasopharyngeal and tracheal secretions of children with respiratory syncytial virus disease. *Pediatr. Infect. Dis*. 1999; 18:115-22.
42. Malley R., Vernacchio L., DeVincenzo J., **Ramilo O.**, Dennehy P., Meissner C., Gruber W., Jafri H., Sanchez P., MacDonald K, Montana J, Thompson C., Ambrosino D. Enzyme-linked immunosorbent assay to assess respiratory syncytial

virus (RSV) concentration and correlation with inflammatory mediators in tracheal secretions of intubated infants. *Pediatr. Infect. Dis.* 2000; 19:1-7.

43. McCoig C., Van Dyke G., Chou C-S., Picker L., **Ramilo O.**, Vitetta E. An anti-CD45RO immunotoxin eliminates T cells latently infected with HIV-1 in vitro. *Proc. Natl. Acad. Sci. USA* 1999; 96:11482-5
44. Ghaffar F, Carrick K, Rogers BB, Margraf LR, Krisher K, **Ramilo O.** Disseminated infection with Varicella-Zoster vaccine strain presenting as hepatitis in a child with adenosine deaminase deficiency. *Pediatr Infect Dis* 2000; 19:765-6
45. Hardy RD, Jafri HS, Hatfield J, Wordeman M, Olsen KD, Rogers BB, McCracken, GH, **Ramilo O.** Elevated cytokines/chemokines concentrations and prolonged pulmonary airflow resistance in a murine model of *Mycoplasma pneumoniae* pneumonia model: A microbiologic, histologic, immunologic, and respiratory plethysmograph profile. *Infect Imm* 2001; 69:3869-76
46. Saavedra-Lozano J, Booth TN, Weprin BE, **Ramilo O.** Isolated cerebral edema and obstructive hydrocephalus in a child with cerebral malaria. *Pediatr Infect Dis* 2001; 20: 908-911
47. Hardy RD, Jafri HS, Olsen KD, Hatfield J, Iglehart J, Rogers BB, Patel P, Cassell G, McCracken, GH, **Ramilo O.** *Mycoplasma pneumoniae* Induces Chronic Respiratory Infection, Airway Hyperreactivity, and Pulmonary Inflammation: A Murine Model of Infection-Associated Chronic Reactive Airway Disease. *Infect Imm* 2002;70:649-654
48. Saavedra-Lozano J, McCoig C, Xu J, Cao Y, Keiser P, Siliciano R, Siliciano J, Picker L, **Ramilo O.**, Vitetta E. An Anti-CD45RO Immunotoxin Kills Latently-HIV-Infected CD4+ T Cells Obtained from the Blood of Human Immunodeficiency Virus (HIV)+ Individuals. *J Infect Dis* 2002;185:306-314
49. Buckingham SC, Jafri HS, Bush AJ, Guthrie C, Sheeran P, Hardy RD, Ottolini MG, **Ramilo O.**, DeVincenzo J P. A randomized, double-blind, placebo-controlled, trial of dexamethasone in severe respiratory syncytial virus infection: Effects on RSV quantity and clinical outcome. *J Infect Dis* 2002; 185: 1222-8
50. McCoig C, Castrejon M, Castano E, de Suman O, Baez C, Redondo W, McClernon D, Danehower S, Lanier R, Richardson C, Keller A, Hetherington S, Saez-Llorens X, **Ramilo O.** Effect of combination antiretroviral therapy on cerebrospinal fluid HIV

RNA, HIV resistance and clinical manifestations of encephalopathy. *J Pediatr* 2002;141:36-44

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108. Michael L. Chang, Alejandro Jordan-Villegas, Carla Garcia, Cripe J. Patrick, Mary L. de Almeida, Asuncion Mejias, Octavio Ramilo. Clinical Characteristics of Infants Admitted to the ICU for Bronchiolitis in the Post-RSV Prophylaxis Era. Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 3866.262
109. Benyachalee Techasaensiri, Chonnamet Techasaensiri, Asuncion Mejias, George H. McCracken, Octavio Ramilo. Viral Coinfections Are Common in Children with Invasive Pneumococcal Disease (IPD). Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 3866.252
110. Asuncion Mejias, Ana M. Gomez, Alejandra Soriano, Juan P. Torres, Shama Khokhar, Garcia Carla, Octavio Ramilo. Fatal Respiratory Syncytial Virus Lower Respiratory Tract Infection in Children Is Associated with Systemic Dissemination. Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 3866.252.
111. Carla G. Garcia, Alejandra Soriano, Michael L. Chang, Shama Khokhar, Octavio Ramilo, Asuncion Mejias. Rhinovirus (RV) Respiratory Tract Infections (LRTI) in Young Children Requiring Hospitalization Are Frequent and as Severe as Those Caused by Respiratory Syncytial Virus (RSV) Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 4315.2
112. Monica I. Ardura, Asuncion Mejias, Evelyn Torres, Jacques Banchereau, Damien Chaussabel, Octavio Ramilo. Gene Expression Profiling Demonstrates Differences in the Host Immune Response to Invasive *S. aureus* (Sa) and *S. pneumoniae* (Spn) Infections in Children. Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 54319.6
113. Gagan Bajwa, Maria de Salas, Kristin Long, Juanita Lozano-hernandez, Octavio Ramilo, Michelle A. Gill. Myeloid Dendritic Cells from Infants with RSV bronchiolitis have impaired capacity to induce CD4 T lymphocyte proliferation. Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009. Abstract 4357.479

NATIONAL AND INTERNATIONAL INVITED LECTURES

- X Simposium Interamericano de Infectologia Pediatrica, Veracruz, Mexico, November 1991
- Jornadas de Pediatria Hospital del Niño, Ciudad de Panama, Panama, December 1991
- XIII Congreso Interamericano de Infectologia Pediatrica, Guanajuato, Mexico, November 1994
- VI Congreso Nacional de Medicina Perinatal, Ciudad de Panama, Panama, September 1994
- V Congreso Latinoamericano de Infectologia Pediatrica, Cartagena, Colombia, November 1995
- Current Issues in Pediatric Transplantation, New Orleans, LA, December 1996
- International Congress of Sexually Transmitted Diseases, Seville, Spain, October 1997
- VII Congreso Latinoamericano de Infectologia Pediatrica, Caracas, Venezuela, November 1997
- XX Congreso Colombiano de Pediatria, Medellin, Colombia, Agosto 1997
- V International Meeting in Macrolides, Azalides, Streptogramins and Ketolides, Barcelona, Spain, January 1998
- II Curso Internacional Avances en Pediatria, Madrid, Spain, January 1998
- Congresso Medico de Passo Fundo, Passo Fundo, Rio Grande do Sul, Brazil, May 1998
- Primeras Jornadas de Infeccion VIH en Pediatria, Barcelona, Spain, June 1998
- Visiting Professor and Pediatric Grand Rounds, Driscoll Children's Hospital, Corpus Christi, TX, October 1998
- XX Congreso Centroamericano de Pediatría, Panamá, November 1998
- XVII Congreso Interamericano de Infectologia Pediatrica, Veracruz, Mexico, November 1998
- II Jornadas Internacionales de Pediatria Infecciosa, Toledo, Spain, January 1999
- Annual Meeting Texas Infectious Diseases Society, San Antonio, TX, June 1999
- II Jornadas de Infeccion VIH en Pediatria, Madrid, Spain, June 1999
- XVI Congreso Chileno de Infectología, Pucón, Chile, August 1999
- II International Symposium in Pediatric Infectious Diseases, San José, Costa Rica, October 1999
- Pediatric Grand Rounds, University of Miami School of Medicine, Miami, FL, November 1999
- XXV Jornadas de Pediatria Hospital del Niño, Ciudad de Panama, Panama, December 1999
- Pediatric Grand Rounds, Duke University Medical Center, Durham, NC, February 2000
- III Jornadas de Infeccion VIH en Pediatria, Barcelona, Spain, May 2000

- III Jornadas Internacionales de Enfermedades Infecciosas Pediátricas, Bilbao and Sevilla, Spain, May 2000
- Reunión Grupo Pediátrico Español de Infección VIH, Madrid, Spain, September 2000
- Congreso Anual Sociedad Costarricense de Infectología, San Jose, Costa Rica, October 2000
- Optimising Options for Paediatric HIV Treatment, HIV i-Base, London, UK, October 2000
- Pediatric Ground Rounds, Miami Children's Hospital, Miami, FL, December 2000
- Current Concepts in Pediatric Critical Care, Society of Critical Care Medicine, San Francisco, Ca, February 2001
- X Congreso de la Asociación Panamericana de Infectología, Guadalajara, México, May 2001
- IV Jornadas de Infección VIH en Pediatría, Madrid, Spain, June 2001
- 16th Research Rounds, Vail, CO, August 2001
- Program Co-director, 4th Annual Update on RSV, Scottsdale, AZ, September 2001
- 2001 ID Conference, OUHSC College of Medicine Infectious Disease Institute Oklahoma City, OK, October 2001
- Epidemiología y Prevención de la Infección por VRS, Malta, April 2002
- Co-Chair, International Congress on RSV, Washington D.C., June 2002
- Avances en la prevención de la infección por VRS, Madrid, Spain, November 2002
- Chair, RSV Symposium, 3rd World Congress of Pediatric Infectious Diseases, Santiago, Chile, November 2002
- Pediatric Grand Rounds. Miller Children's Hospital, Long Beach, California, December 2002
- Curso de Cardiología, Hospital Gregorio de Marañón, Madrid, Spain, March 2003
- Durable Success in HIV, Cancún, México, April 2003
- Congreso de la Sociedad de Pediatría de Galicia, La Coruña, Spain, May 2003
- Estrategias Actuales para el Tratamiento Antirretroviral en México, Mexico City, Mexico, June 2003
- V Reunión Nacional de Tratamiento de la Infección VIH en Pediatría, Madrid, Spain June 2003
- Reunión Grupo IRIS (VRS), Madrid, Spain, October 2003
- XIII Congreso Latinoamericano de Pediatría, Ciudad de Panamá, Panamá, November 2003
- Pediatric Grand Rounds, UT Houston Medical School, Houston, Texas, February 2004
- II Congreso Sociedad Española de Infectología Pediátrica, Altea, Spain, March 2004
- 2004 Pediatric Academic Societies Annual Meeting, San Francisco, CA, May 2004
- II Congreso Sociedad Española de Cardiología Pediátrica, Gran Canaria, Spain, May 2004

- Pediatric Grand Rounds, Tulane University and Louisiana State University, New Orleans, LA, October 2004
- National Institute for Allergy and Infectious Diseases, Centers for Human Immunology and Biodefense Annual Meeting, Washington, D.C., October 2004
- Curso de Cardiología, Hospital Gregorio de Marañón, Madrid, Spain, March 2005
- 2005 International Congress on Respiratory Viruses, Dallas, TX, April 2004
- 5° Curso Internacional de Pediatría, Viña del Mar, Chile, May 2005
- VI Reunión Nacional de Tratamiento de la Infección VIH en Pediatría, Madrid, Spain, June 2005
- II Congreso Iberoamericano de Neonatología, Isla Margarita, Venezuela, June 2005
- Pediatric Grand Rounds, University of Texas Health Sciences Center at Houston, Texas, September 2005
- RSV & Asthma Symposium, Budapest, Hungary, September 2005
- 1er Simposium de Neonatología, Puerto Vallarta, Mexico, October 2005
- Pediatric Grand Rounds, University of Texas Health Sciences Center at San Antonio, TX, October 2005
- Global RSV Symposium at HOT Topics in Neonatology, Washington D.C., December 2005
- Symposium on Human Gene Expression Against Pathogens at the 54th American Society for Tropical Medicine and Hygiene Annual Meeting, Washington D.C., December 2005
- Pediatric Emergency Care Applied Research Network (PECARN) Steering Committee Meeting, San Diego, February 2006
- Curso de Cardiología, Hospital Gregorio de Marañón, Madrid, Spain, March 2006
- Pediatric Grand Rounds, Costal AHEC, Wilmington, NC, March 2006
- National Institute for Allergy and Infectious Diseases, Centers for Human Immunology and Biodefense Annual Meeting, Bethesda, MD, April 2006
- 55 Congreso de la Asociación Española de Pediatría, Valencia, Spain, June 2006
- Texas Infectious Disease Society Annual Meeting, San Antonio, TX, June 2006
- Congreso de Infectología y Vacunología en los Trópicos, Panamá, June 2006
- Japan RSV Global Expert Meeting, Chiba, Japan, June 2006
- RSV and RAD Symposium at the 7th International Congress on Pediatric Pulmonology, Montreal, Canada, July 2007
- Central America RSV Meeting, Guatemala City, Guatemala, July 2006
- Global Expert Meeting in Respiratory Viruses, Monte Carlo, Monaco, September 2006
- Jerry Elliott Memorial Lecture at the 13th South Central Conference on Perinatal Research, Austin, Texas, October 2006
- Hospital Grand Rounds, Hospital del Niño, Ciudad de Panamá, Panamá,, January 2007
- Curso de Cardiología, Hospital Gregorio de Marañón, Madrid, Spain, March 2007

- Research Seminar, Hospital Universitario Vall d' Hebron, Barcelona, Spain, March 2007
- 25th Annual Meeting of the European Society for Pediatric Infectious Diseases, Porto, Portugal, May 2007
- Congreso Español de Hematología Pediátrica, Sitges, Barcelona, Spain, May 2007
- 2007 Internacional Congress on Respiratory Viruses, Colorado Springs, Co July 2007
- XL Curso Actualidades en Pediatría. Hospital Luis Calvo Mackenna, Santiago, Chile, August 2007
- Congreso Uruguayo de Pediatría, Montevideo, Uruguay, September 2007
- Turkish Neonatology Society Meeting, Instambul, Turkey, September 2007
- IDSA Annual Meeting, San Diego, CA, October 2007
- 2007 International RSV Symposium, Marco Island, FL, October 2007
- Annual Meeting of the Japanese Society of Pediatric Experimental Pharmacology, Kumamaoto, Japan, November 2007
- NIH, NICHD, New Strategies for Treatment of MRSA infections, Bethesda, MD, November 2007
- NIH, NICHD, Pediatric Pharmacology Research Unit Network Meeting, Bethesda, MD, January 2008
- Curso Internacional de Pediatría, Universidad Austral, Pilar, Buenos Aires, Argentina, April 2008
- Curso Infecciones por Virus Respiratorio Sincicial. Sociedad Chilena de Neumología Pediátrica, Santiago, Chile, May 2008
- 57 Congreso Nacional de la Asociación Española de Pediatría, Santiago, España, Junio 2008
- II Simposio Internacional de Vacinas. Sociedad Brasileira de Pediatría, Sao Paulo, Brasil August 2008
- Global Experts Meeting in Respiratory Viruses, Vienna, Austria, September 2008
- Actualizaciones en VRS. Hospital Universitario Gregorio Marañón, Madrid, Spain, October 2008
- Curso Internacional Cardiología Pediátrica. Hospital San Joan de Deu, Barcelona, Spain, October 2008
- Annual Covention, Puerto Rico Infectious Disease Society, San Juan, PR October 2008
- RSV Symposium at Hot Topics in Neonatology Conferece, Washington, D.C., December 2008
- Pediatric Grand Rounds, Hospital Universitario 12 de Octubre, Madrid, Spain February 2009
- Primer encuentro de la SEIP de la AEP/ SLIPE, Valencia, Spain, February 2009
- Symposium New Strategies in RSV Infection. Sydney, Australia, May 2009
- Research seminar, University of Turku, Turku, Finland, May 2009

- 19th European Congress in Clinical Microbiology and Infectious Diseases, Helsinki, Finland, May 2009
- Brazilian Congress of Pediatric Pulmonology, Sao Paulo, Brazil, June 2009
- Chair, 7th Global Expert Meeting in Respiratory Viruses, Dublin, Ireland, September 2009
- XXII Congreso Español de Neonatología y Medicina Perinatal , Valencia, Spain, October 2009
- Simposio “Virus Respiratorios: Nuevos Retos”, Hospital Universitario Gregorio Marañón, Madrid, Spain, October 2009

CME COURSES

- Update in HIV/AIDS for Primary Care Physicians, Dallas, TX, March 1996
- XVI National Pediatric Infectious Disease Seminar, New Orleans, LA, April 1996
- Recent Advances in HIV Medicine: First Annual Regional Conference, Dallas, TX, April 1997
- XVII National Pediatric Infectious Disease Seminar, San Francisco, CA, April 1997
- Advances in the Management of HIV Infection, Dallas, TX, July 1997
- XVIII National Pediatric Infectious Disease Seminar, Washington, D.C., April 1998
- 30th Annual Haltalin Pediatric Seminar, Dallas, TX, April 1998
- Neonatal Grand Rounds. UTHSC at Tyler, Tyler, TX, July 1998
- 13th Research Rounds, Snowbird, UT, August 1998
- American Thoracic Society: The RSV-Asthma Link, Dallas, TX, November 1998
- XIX National Pediatric Infectious Disease Seminar, San Diego, CA, April 1999
- Third Annual Infectious Disease Update, McCallen, TX, April 1999
- 14th Research Rounds, Wail, CO, August 1999
- Course Director, “The RSV-Asthma Link: An Update”, Dallas, TX, September 1999
- Course Director, “Focus on RSV”, Las Colinas, TX, October 1999
- Grand Rounds, Cook Children’s Medical Center, Fort Worth, TX, October 1999
- Texas Academy of Family Practice, Dallas Chapter, Dallas, TX, November 1999
- VII Annual Update in Emergency Medicine, Dallas, TX, November 1999
- Antiviral Treatment of RSV in the New Millennium, University of Cincinnati College of Medicine, Cincinnati, OH, December 1999
- XX National Pediatric Infectious Disease Seminar, New Orleans, LA, April 2000
- 15th Research Rounds, Whistler, BC, Canada, August 2000
- Third Annual Update on RSV Infections, Dallas, TX, October, 2000
- Pediatric Grand Rounds, University of Texas Health Sciences Center, Tyler TX, November 2000

- Course Director, Recent Advances in Management of Upper Respiratory Tract Infections, Dallas, Texas, January 2001
- 33rd Annual Kenneth C. Haltalin Pediatric Seminar. “Pediatrics for the Practitioner”, Dallas, Texas, March 2001
- XXI National Pediatric Infectious Disease Seminar, Washington, DC, April 2001
- 16th Research Rounds, Vail, CO, August 2001
- Optimizing The Management of Pediatric Infectious Disease, Las Colinas, TX, August 2001
- Program Co-director, 4th Annual Update on RSV, Scottsdale, AZ, September 2001
- Pediatric Course, Valley Regional Medical Center, Brownsville, Texas, October 2001
- Pediatrics Grand Rounds, Cook Children’s Medical Center, Fort Worth, TX, January 2002
- Management of Pediatric Infections, Birmingham. Alabama, January 2002
- XXII National Pediatric Infectious Disease Seminar, New Orleans, April 2002
- 17th Research Rounds, Whistler, BC, Canada, August 2002
- Similac Advance Conference, Dallas, Texas, October 2002
- Pediatric Grand Rounds, Children’s Medical Center of Dallas, Dallas, Texas, December 2002
- Dallas County Health Department, CME Program, Dallas, TX, January 2003
- Optimizing the Management of AOM. Boca Raton, Florida, February 2003
- XXIII National Pediatric Infectious Disease Seminar, San Diego, CA, April 2003
- 18th Research Rounds, Whistler, BC, Canada, August 2003
- Texas Pharmacy Association, North Texas Education Fair, September 2003, Irving, Texas
- Program Co-director, 5th Annual Update on RSV, Dallas, TX, October 2003
- World AIDS Day, AIDS/SIDA Coalition of Dallas, Dallas, TX, December 2003
- XXIV National Pediatric Infectious Disease Seminar, Chicago, IL, April 2004
- XIX Research Rounds, Whistler, BC, Canada, August 2004
- Internal Medicine Grand Rounds, Medical City Hospital, Dallas, TX, August 2004
- XXV National Pediatric Infectious Disease Seminar, Washington, DC., April 2005
- XX Research Rounds, Whistler, BC, Canada, August 2005
- Pediatric Grand Rounds, Children’s Medical Center of Dallas, Dallas, Texas, January 2006
- XXVI National Pediatric Infectious Disease Seminar, San Francisco, CA, April 2006
- XXI Research Rounds, Whistler, BC, Canada, August 2006
- XI Annual Infectious Disease Seminar, Driscoll Children’s Hospital, Corpus Christi, Texas October 2006
- Critical Issues in Prevention and Treatment of Influenza, Satellite Symposium at the American Academy of Pediatrics Annual Meeting, Atlanta, GA, October 2006

- XXVII National Pediatric Infectious Disease Seminar, Atlanta, GA, April 2007
- 8th Annual “Making a World of Difference” Pediatric Critical Care Conference, Dallas, Texas, May 2007
- 40th Annual Haltalin Pediatric Seminar, Dallas, TX, April 2008
- 41st Annual Haltalin Pediatric Seminar, Dallas, TX, April 2009