Stanford

Carlos Milla

Professor of Pediatrics (Pulmonary Medicine) at the Lucile Salter Packard Children's Hospital

Pediatrics - Pulmonary Medicine

Curriculum Vitae available Online

CLINICAL OFFICES

- **Pediatric Pulmonary and Cystic Fibrosis Clinic**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

CLINICAL FOCUS

- Cystic Fibrosis
- Primary Ciliary Dyskinesia
- Bronchopulmonary Dysplasia
- Pulmonary Hypertension
- Rare Lung Diseases
- Pediatric Lung and Heart-Lung Transplantation
- Pediatric Pulmonary

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pediatrics - Pulmonary Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Associate Director for Translational Research, Center for Excellence in Pulmonary Biology, Stanford University, (2016- present)
- Director, The Stanford Cystic Fibrosis Center, (2009- present)

HONORS AND AWARDS

- Magister in Pediatric Pulmonary Medicine, Latin American Pediatric Pulmonology Society (SOLANEP) (2018)
- Annalisa Marzotto Endowed Chair in Cystic Fibrosis Care, University of Minnesota Medical School (2005)
- Crandall Endowed Scholar in Pediatric Pulmonary Medicine, Stanford University School of Medicine (2007)
- CF Caregiver of the Year Award, CF Research Inc. (CFRI) (2014)
- Distinguished Service Award, CF Therapeutics Development Network, Cystic Fibrosis Foundation (2016)

PROFESSIONAL EDUCATION

- Fellowship: University of Minnesota School of Medicine Registrar (1995) MN
- Board Certification: Pediatric Pulmonary, American Board of Pediatrics (1996)
- Medical Education: Universidad Peruana Cayetano Heredia (1986) Peru
- Internship: SUNY at Brooklyn School Of Medicine (1990) NY
- Residency: SUNY at Brooklyn School Of Medicine (1992) NY

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests have centered on the inflammatory responses that lead to airway disease in Cystic Fibrosis (CF) and the metabolic factors that contribute to CF lung disease progression. Current efforts are focused on the understanding of the early events that drive the development of lung disease through the study of infants with CF identified by newborn screening. This includes the development of new diagnostic tools that permit the early detection of lung disease manifestations.

CLINICAL TRIALS

- Long-term Study in US Cystic Fibrosis Patients Receiving Digestive Enzyme Supplements to Assess Narrowing of the Large Intestine Causing Adverse Intestinal Symptoms (Fibrosing Colonopathy), Recruiting
- Rare Genetic Disorders of the Breathing Airways, Recruiting
- Feasibility of a Mobile Medication Plan Application in CF Patient Care, Not Recruiting
- G551D Observational Study- Expanded to Additional Genotypes and Extended for Long Therm Follow up (GOAL-e2), Not Recruiting
- Long-term Lung Function and Disease Progression in Children With Early Onset Primary Ciliary Dyskinesia Lung Disease, Not Recruiting
- Study of Lumacaftor in Combination With Ivacaftor in Subjects 6 Through 11 Years of Age With Cystic Fibrosis, Homozygous for the F508del-CFTR Mutation, Not Recruiting

Publications

PUBLICATIONS

- **Primary Ciliary Dyskinesia: Longitudinal Study of Lung Disease by Ultrastructure Defect and Genotype** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*

  Davis, S. D., Rosenfeld, M., Lee, H., Ferkol, T. W., Sagel, S. D., Dell, S. D., Milla, C., Pittman, J. E., Shapiro, A. J., Sullivan, K. M., Nykamp, K. R., Krischer, J. P., Zariwala, et al

  2019; 199 (2): 190–98

- **Age-related heterogeneity in dental caries and associated risk factors in individuals with cystic fibrosis ages 6-20 years: A pilot study** *JOURNAL OF CYSTIC FIBROSIS*

  Chi, D. L., Rosenfeld, M., Mancl, L., Chung, W. O., Presland, R. B., Sarvas, E., Rothen, M., Alkhateeb, A., McNamara, S., Genatossio, A., Virella-Lowell, I., Milla, C., Scott, et al

  2018; 17 (6): 747–59

- **Elafin Treatment Rescues EGFR-Klf4 Signaling and Lung Cell Survival in Ventilated Newborn Mice.** *American journal of respiratory cell and molecular biology*

  Alejandre Alcazar, M. A., Kaschwich, M., Ertsey, R., Preuss, S., Milla, C., Mujahid, S., Masumi, J., Khan, S., Mokres, L. M., Tian, L., Mohr, J., Hirani, D. V., Rabinovitch, et al

  2018; 59 (5): 623–34

- **BREVENAL INCREASES CILIARY BEAT FREQUENCY AND PARTICLE DIFFUSION IN AIRWAY SURFACE LIQUID OF CYSTIC FIBROSIS HUMAN BRONCHIAL EPITHELIAL CELLS WITH NONSENSE MUTATIONS**

  Cohen, Milla, C., Salathe, M., Baumlin, N., Chung, S., Bourdelais, A., Baden, D.

  WILEY.2018: 253

- **ABNORMAL BASAL CELLS UNDERLIE EPITHELIAL DSYFUNCTION IN CYSTIC FIBROSIS**

  Vladar, E. K., Milla, C., Axelrod, J. D.

WILEY.2018: 175

- **DEFINING THE CLINICAL UTILITY OF THE LUNG CLEARANCE INDEX**
  Zirbes, J. M., Alvarez, D., Ryan, S. P., Milla, C.
  WILEY.2018: 248

- **PF BACTERIOPHAGE IN PATIENTS WITH CYSTIC FIBROSIS IS ASSOCIATED WITH CHRONIC PSEUDOMONAS INFECTION**
  Burgener, E. B., Sweere, J. M., Secor, P. R., Bollyky, P. L., Milla, C.
  WILEY.2018: 281

- **LUNG HEALTH RISK BEHAVIORS AND PERCEPTIONS IN ADOLESCENTS AND YOUNG ADULTS WITH CYSTIC FIBROSIS**
  Hamberger, E., Halpern-Felsher, B., Milla, C.
  WILEY.2018: 64–65

- **NEW DEVELOPMENTS IN THE ASSESSMENT OF LUNG FUNCTION IN CF PATIENTS**
  Milla, C.
  WILEY.2018: 138–40

- **Tear Down this Wall: Diversity and Disparities in Cystic fibrosis.** *American journal of respiratory and critical care medicine*
  Buu, M. C., Milla, C. E.
  2018

- **KB001-A, a novel anti-inflammatory, found to be safe and well-tolerated in cystic fibrosis patients infected with Pseudomonas aeruginosa** *JOURNAL OF CYSTIC FIBROSIS*
  Jain, R., Beckett, V. V., Konstan, M. W., Accurso, F. J., Burns, J. L., Mayer-Hamblett, N., Milla, C., VanDevanter, D. R., Chmiel, J. F., KB001-A Study Grp
  2018; 17 (4): 484–91

- **Ivacaftor restores CFTR-dependent sweat gland fluid secretion in cystic fibrosis subjects with S945L alleles** *JOURNAL OF CYSTIC FIBROSIS*
  Kim, J., Davies, Z., Dunn, C., Wine, J. J., Milla, C.
  2018; 17 (2): 179–85

- **Progress in Definition, Prevention and Treatment of Fungal Infections in Cystic Fibrosis** *MYCOPATHOLOGIA*
  Schwarz, C., Hartl, D., Eickmeier, O., Hector, A., Benden, C., Durieu, I., Sole, A., Gartner, S., Milla, C. E., Barry, P.
  2018; 183 (1): 21–32

- **Diffuse Large Pulmonary Nodules in a Young Child: Is It Always Metastatic?**
  Burgener, E. B., Milla, C. E.
  AMER THORACIC SOC.2018

- **Sweat rate analysis of ivacaftor potentiation of CFTR in non-CF adults.** *Scientific reports*
  Kim, J., Farahmand, M., Dunn, C., Milla, C. E., Horii, R. I., Thomas, E. A., Moss, R. B., Wine, J. J.
  2018; 8 (1): 16233

- **Primary Ciliary Dyskinesia: Longitudinal Study of Lung Disease Progression by Ultrastructural Defect and Genotype**
  Davis, S. D., Rosenfeld, M., Lee, H., Ferkol, T. W., Sagel, S. D., Dell, S. D., Milla, C. E., Zariwala, M. A., Knowles, M. R., Leigh, M. W., Genetic Disorders Mucociliary
  AMER THORACIC SOC.2018

- **The Natural History of Declining Pulmonary Function in Children with Duchenne Muscular Dystrophy**
  Withers, A. L., Wilson, A. C., Buu, M., Milla, C. E., Zirbes, J. M., Hall, G. L.
  AMER THORACIC SOC.2018

- **Home Monitoring of Patients with Cystic Fibrosis to Identify and Treat Acute Pulmonary Exacerbations eICE Study Results** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
  Lechtzin, N., Mayer-Hamblett, N., West, N. E., Allgood, S., Wilhelm, E., Khan, U., Aitken, M. L., Ramsey, B. W., Boyle, M. P., Mogayzel, P. J., Gibson, R. L., Orenstein, D., Milla, et al
  2017; 196 (9): 1144–51

- **Lung clearance index is sensitive to small airway disease in pediatric lung transplant recipients** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Kao, J. E., Zirbes, J. M., Conrad, C. K., Milla, C. E.
  2017; 36 (9): 980–84

- **Autonomous sweat extraction and analysis applied to cystic fibrosis and glucose monitoring using a fully integrated wearable platform** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Emaminejad, S., Gao, W., Wu, E., Davies, Z. A., Nyein, H. Y., Challa, S., Ryan, S. P., Fahad, H. M., Chen, K., Shahpar, Z., Talebi, S., Milla, C., Javey, et al
  2017; 114 (18): 4625-4630

- **The magnitude of ivacaftor effects on fluid secretion via R117H-CFTR channels: Human in vivo measurements** *PLOS ONE*
  Char, J. E., Dunn, C., Davies, Z., Milla, C., Moss, R. B., Wine, J. J.
  2017; 12 (4)

- **Lumacaftor/Ivacaftor in Patients Aged 6-11 Years with Cystic Fibrosis and Homozygous for F508del-CFTR** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
  Milla, C. E., Ratjen, F., Marigowda, G., Liu, F., Waltz, D., Rosenfeld, M.
  2017; 195 (7): 912-920

- **Corrections to an ATS Workshop Report on Multiple-Breath Washout Testing for Patients with Cystic Fibrosis.** *Annals of the American Thoracic Society*
  Subbarao, P., Milla, C. E., Morgan, W. J., Ratjen, F.
  2017; 14 (1): 145-?

- **Efficacy and safety of lumacaftor and ivacaftor in patients aged 6–11 years with cystic fibrosis homozygous for F508del-CFTR: a randomised, placebo-controlled phase 3 trial** *Lancet Respiratory Medicine*
  Ratjen, F., Hug, C., Marigowda, G., Tian, S., Huang, X., Stanojevic, S., Milla, C. E., Robinson, P. D., Waltz, D., Davies, J. C.
  2017; 5 (7): 557–67

- **Implementation of Depression Screening and Global Health Assessment in Pediatric Subspecialty Clinics.** *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*
  Iturralde, E., Adams, R. N., Barley, R. C., Bensen, R., Christofferson, M., Hanes, S. J., Maahs, D. M., Milla, C., Naranjo, D., Shah, A. C., Tanenbaum, M. L., Veeravalli, S., Park, et al
  2017

- **Lumacaftor/Ivacaftor in Patients Aged 6-11 Years With Cystic Fibrosis Homozygous for F508del-CFTR.** *American journal of respiratory and critical care medicine*
  Milla, C. E., Ratjen, F., Marigowda, G., Liu, F., Waltz, D., Rosenfeld, M.
  2016: -?

- **PHASE 1 INITIAL RESULTS EVALUATING SAFETY, TOLERABILITY, PK AND BIOMARKER DATA USING PTI-428, A NOVEL CFTR MODULATOR, IN PATIENTS WITH CYSTIC FIBROSIS**
  Mouded, M., Layish, D., Sawicki, G. S., Milla, C., Flume, P. A., Tolle, J., Vansaghi, L., Watson, C., Munoz, B., Bhalla, A., Ivarsson, M., Lee, P.
  WILEY-BLACKWELL.2016: 262–63

- **Sweat chloride testing: controversies and issues.** *The Lancet. Respiratory medicine*
  Kharrazi, M., Milla, C., Wine, J.
  2016; 4 (8): 605-607

- **Clinical Features and Associated Likelihood of Primary Ciliary Dyskinesia in Children and Adolescents.** *Annals of the American Thoracic Society*
  Leigh, M. W., Ferkol, T. W., Davis, S. D., Lee, H., Rosenfeld, M., Dell, S. D., Sagel, S. D., Milla, C., Olivier, K. N., Sullivan, K. M., Zariwala, M. A., Pittman, J. E., Shapiro, et al
  2016; 13 (8): 1305-1313

- **The evolving spectrum of ciliopathies and respiratory disease** *CURRENT OPINION IN PEDIATRICS*
  Milla, C. E.
  2016; 28 (3): 339-347

- **RASA1 somatic mutation and variable expressivity in capillary malformation/arteriovenous malformation (CM/AVM) syndrome.** *American journal of medical genetics. Part A*
  Macmurdo, C. F., Wooderchak-Donahue, W., Bayrak-Toydemir, P., Le, J., Wallenstein, M. B., Milla, C., Teng, J. M., Bernstein, J. A., Stevenson, D. A.
  2016; 170 (6): 1450-1454

- **Assessing Differences in Mortality Rates and Risk Factors Between Hispanic and Non-Hispanic Patients With Cystic Fibrosis in California** *CHEST*
  Buu, M. C., Sanders, L. M., Mayo, J. A., Milla, C. E., Wise, P. H.
  2016; 149 (2): 380-389

- **Diagnosis, monitoring, and treatment of primary ciliary dyskinesia: PCD foundation consensus recommendations based on state of the art review.** *Pediatric pulmonology*
  Shapiro, A. J., Zariwala, M. A., Ferkol, T., Davis, S. D., Sagel, S. D., Dell, S. D., Rosenfeld, M., Olivier, K. N., Milla, C., Daniel, S. J., Kimple, A. J., Manion, M., Knowles, et al
  2016; 51 (2): 115-132

- **Circulating Elastase Confers A High Risk For The Development Of Bronchiolitis Obliterans Syndrome**
  Milla, C. E., Zirbes, J. M., Yacob, A., Tian, L., Zamanian, R. T., Bental-Roof, M., Bland, R., Rabinovitch, M., Dhillon, G., Nicolls, M.
  AMER THORACIC SOC.2016

- **Clinical Features And Associated Likelihood Of Primary Ciliary Dyskinesia In Adults**
  Sullivan, K. M., Daniels, M., Atkinson, J. J., Ferkol, T. W., Hall, D., Lee, H., Metjian, H., Olivier, K. N., Rosenfeld, M., Milla, C. E., Zariwala, M., Sagel, S. D., Carson, et al
  AMER THORACIC SOC.2016

- **Respiratory Microbiology In Primary Ciliary Dyskinesia: Comparisons To A Pediatric Cystic Fibrosis Cohort**
  Tracy, M. C., Zirbes, J. M., Hernandez, C., Cornfield, D. N., Milla, C. E.
  AMER THORACIC SOC.2016

- **Dna Extraction From Cystic Fibrosis Sputum Samples Is Not Method Dependent**
  Tracy, M. C., Yacob, A., Chen, C., Milla, C. E., Cornfield, D. N.
  AMER THORACIC SOC.2016

- **Evaporimeter and Bubble-Imaging Measures of Sweat Gland Secretion Rates.** *PloS one*
  Kim, J., Farahmand, M., Dunn, C., Davies, Z., Frisbee, E., Milla, C., Wine, J. J.
  2016; 11 (10)

- **Inhaled ß2-Agonist Therapy Increases Functional Residual Capacity in Mechanically Ventilated Children With Respiratory Failure.** *Pediatric critical care medicine*
  Ramsi, M. A., Henry, M., Milla, C. E., Cornfield, D. N.
  2015; 16 (7): e189-93

- **Multiple-Breath Washout as a Lung Function Test in Cystic Fibrosis. A Cystic Fibrosis Foundation Workshop Report.** *Annals of the American Thoracic Society*
  Subbarao, P., Milla, C., Aurora, P., Davies, J. C., Davis, S. D., Hall, G. L., Heltshe, S., Latzin, P., Lindblad, A., Pittman, J. E., Robinson, P. D., Rosenfeld, M., Singer, et al
  2015; 12 (6): 932-939

- **Recent advances in cystic fibrosis** *CURRENT OPINION IN PEDIATRICS*
  Milla, C. E., Moss, R. B.
  2015; 27 (3): 317-324

- **Lung matrix and vascular remodeling in mechanically ventilated elastin haploinsufficient newborn mice.** *American journal of physiology. Lung cellular and molecular physiology*
  Hilgendorff, A., Parai, K., Ertsey, R., Navarro, E., Jain, N., Carandang, F., Peterson, J., Mokres, L., Milla, C., Preuss, S., Alcazar, M. A., Khan, S., Masumi, et al
  2015; 308 (5): L464-78

- **Clinical features of childhood primary ciliary dyskinesia by genotype and ultrastructural phenotype.** *American journal of respiratory and critical care medicine*
  Davis, S. D., Ferkol, T. W., Rosenfeld, M., Lee, H., Dell, S. D., Sagel, S. D., Milla, C., Zariwala, M. A., Pittman, J. E., Shapiro, A. J., Carson, J. L., Krischer, J. P., Hazucha, et al
  2015; 191 (3): 316-324

- **Laterality defects other than situs inversus totalis in primary ciliary dyskinesia: insights into situs ambiguus and heterotaxy.** *Chest*
  Shapiro, A. J., Davis, S. D., Ferkol, T., Dell, S. D., Rosenfeld, M., Olivier, K. N., Sagel, S. D., Milla, C., Zariwala, M. A., Wolf, W., Carson, J. L., Hazucha, M. J., Burns, et al
  2014; 146 (5): 1176-1186

- **Anti-PcrV Antibody in Cystic Fibrosis: A Novel Approach Targeting Pseudomonas aeruginosa Airway Infection** *PEDIATRIC PULMONOLOGY*
  Milla, C. E., Chmiel, J. F., Accurso, F. J., VanDevanter, D. R., Konstan, M. W., Yarranton, G., Geller, D. E.
  2014; 49 (7): 650-658

- **Mutations in RSPH1 Cause Primary Ciliary Dyskinesia with a Unique Clinical and Ciliary Phenotype.** *American journal of respiratory and critical care medicine*
  Knowles, M. R., Ostrowski, L. E., Leigh, M. W., Sears, P. R., Davis, S. D., Wolf, W. E., Hazucha, M. J., Carson, J. L., Olivier, K. N., Sagel, S. D., Rosenfeld, M., Ferkol, T. W., Dell, et al
  2014; 189 (6): 707-717

- **A Little CFTR Goes a Long Way: CFTR-Dependent Sweat Secretion from G551D and R117H-5T Cystic Fibrosis Subjects Taking Ivacaftor** *PLOS ONE*
  Char, J. E., Wolfe, M. H., Cho, H., Park, I., Jeong, J. H., Frisbee, E., Dunn, C., Davies, Z., Milla, C., Moss, R. B., Thomas, E. A., Wine, J. J.
  2014; 9 (2)

- **A little CFTR goes a long way: CFTR-dependent sweat secretion from G551D and R117H-5T cystic fibrosis subjects taking ivacaftor.** *PloS one*
  Char, J. E., Wolfe, M. H., Cho, H., Park, I., Jeong, J. H., Frisbee, E., Dunn, C., Davies, Z., Milla, C., Moss, R. B., Thomas, E. A., Wine, J. J.
  2014; 9 (2)

- **Standardizing nasal nitric oxide measurement as a test for primary ciliary dyskinesia.** *Annals of the American Thoracic Society*
  Leigh, M. W., Hazucha, M. J., Chawla, K. K., Baker, B. R., Shapiro, A. J., Brown, D. E., LaVange, L. M., Horton, B. J., Qaqish, B., Carson, J. L., Davis, S. D., Dell, S. D., Ferkol, et al
  2013; 10 (6): 574-581

- **In Vivo Readout of CFTR Function: Ratiometric Measurement of CFTR-Dependent Secretion by Individual, Identifiable Human Sweat Glands** *PLOS ONE*
  Wine, J. J., Char, J. E., Chen, J., Cho, H., Dunn, C., Frisbee, E., Joo, N. S., Milla, C., Modlin, S. E., Park, I., Thomas, E. A., Tran, K. V., Verma, et al
  2013; 8 (10)

- **Zebrafish Ciliopathy Screen Plus Human Mutational Analysis Identifies C21orf59 and CCDC65 Defects as Causing Primary Ciliary Dyskinesia** *AMERICAN JOURNAL OF HUMAN GENETICS*
  Austin-Tse, C., Halbritter, J., Zariwala, M. A., Gilberti, R. M., Gee, H. Y., Hellman, N., Pathak, N., Liu, Y., Panizzi, J. R., Patel-King, R. S., Tritschler, D., Bower, R., O'Toole, et al
  2013; 93 (4): 672-686

- **Assessment of clinical response to ivacaftor with lung clearance index in cystic fibrosis patients with a G551D-CFTR mutation and preserved spirometry: a randomised controlled trial** *LANCET RESPIRATORY MEDICINE*
  Davies, J., Sheridan, H., Bell, N., Cunningham, S., Davis, S. D., Elborn, J. S., Milla, C. E., Starner, T. D., Weiner, D. J., Lee, P., Ratjen, F.
  2013; 1 (8): 630-638

- **Novel CFTR Variants Identified during the First 3 Years of Cystic Fibrosis Newborn Screening in California** *JOURNAL OF MOLECULAR DIAGNOSTICS*
  Prach, L., Koepke, R., Kharrazi, M., Keiles, S., Salinas, D. B., Reyes, M. C., Pian, M., Opsimos, H., Otsuka, K. N., Hardy, K. A., Milla, C. E., Zirbes, J. M., Chipps, et al
  2013; 15 (5): 710-722

- **Polyvinylpyrrolidone microneedles enable delivery of intact proteins for diagnostic and therapeutic applications** *ACTA BIOMATERIALIA*
  Sun, W., Araci, Z., Inayathullah, M., Manickam, S., Zhang, X., Bruce, M. A., Marinkovich, M. P., Lane, A. T., Milla, C., Rajadas, J., Butte, M. J.
  2013; 9 (8): 7767-7774

- **Cystic fibrosis in the era of genomic medicine.** *Current opinion in pediatrics*
  Milla, C. E.
  2013; 25 (3): 323-328

- **Exome Sequencing Identifies Mutations in CCDC114 as a Cause of Primary Ciliary Dyskinesia** *AMERICAN JOURNAL OF HUMAN GENETICS*
  Knowles, M. R., Leigh, M. W., Ostrowski, L. E., Huang, L., Carson, J. L., Hazucha, M. J., Yin, W., Berg, J. S., Davis, S. D., Dell, S. D., Ferkol, T. W., Rosenfeld, M., Sagel, et al
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- **Quantitative Analysis of the Human Airway Microbial Ecology Reveals a Pervasive Signature for Cystic Fibrosis** *SCIENCE TRANSLATIONAL MEDICINE*
  Blainey, P. C., Milla, C. E., Cornfield, D. N., Quake, S. R.
  2012; 4 (153)

- **Effect of Endoscopic Sinus Surgery on Pulmonary Status of Adults with Cystic Fibrosis** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*
  Kempainen, R. R., Sajan, J. A., Pylkas, A. M., Dunitz, J. M., Rimell, F. L., Milla, C. E.
  2012; 147 (3): 557-562

- **PATTERNS OF HEALTH CARE UTILIZATION IN CHILDREN WITH CYSTIC FIBROSIS ENROLLED IN A STATE PROGRAM FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS**
  Buu, M. C., Milla, C. E., Sundaram, V., Goldstein, B., Wise, P. H.
  WILEY-BLACKWELL.2012: 381–381

- **Dyspnea in a patient with raynaud's phenomenon: The uncovering of interstitial lung disease** *PEDIATRIC PULMONOLOGY*
  Coates, A., Meehan, R., Milla, C.
  2012; 47 (9): 926-927

- **IMPROVING PATIENT AND FAMILY EDUCATION AND QUALITY OF LIFE THROUGH AN INDIVIDUALIZED CF ACTION PLAN AND ORGANIZATIONAL TOOL**
  Coates, A., Helmers, M., Matel, J., Shelton, K., Martins, L., Huerta, M., Souza, C., Cornfield, D., Milla, C.
  WILEY-BLACKWELL.2012: 390–391

- **Pulmonary Complications of Endocrine and Metabolic Disorders** *PAEDIATRIC RESPIRATORY REVIEWS*
  Milla, C. E., Zirbes, J.
  2012; 13 (1): 23-28

- **ANTIBODY-BASED ANTIBACTERIAL AGENTS: AN EMERGING OPTION** *DRUGS OF THE FUTURE*
  Milla, C. E.
  2012; 37 (1): 33-43

- **Diagnostic Yield of Nasal Scrape Biopsies in Primary Ciliary Dyskinesia: A Multicenter Experience** *PEDIATRIC PULMONOLOGY*
  Olin, J. T., Burns, K., Carson, J. L., Metjian, H., Atkinson, J. J., Davis, S. D., Dell, S. D., Ferkol, T. W., Milla, C. E., Olivier, K. N., Rosenfeld, M., Baker, B., Leigh, et al
  2011; 46 (5): 483-488

- **Diagnostic yield of nasal scrape biopsies in primary ciliary dyskinesia: A multicenter experience.** *Pediatric pulmonology*
  Olin, J. T., Burns, K., Carson, J. L., Metjian, H., Atkinson, J. J., Davis, S. D., Dell, S. D., Ferkol, T. W., Milla, C. E., Olivier, K. N., Rosenfeld, M., Baker, B., Leigh, et al
  2011

- **METABOLITE PROFILING OF CF AIRWAY FLUID SUGGESTS A ROLE FOR CATECHOLAMINES IN EARLY AND CHRONIC DISEASE**
  Gudiputi, L., Aronov, P., Makam, M., Zirbes, J., Conrad, C., Milla, C., Herzenberg, L., Moss, R., Tirouvanziam, R.
  WILEY-BLACKWELL.2011: 240–240

- **Characteristics of gastroesophageal reflux in adults with cystic fibrosis** *JOURNAL OF CYSTIC FIBROSIS*
  Sabati, A. A., Kempainen, R. R., Milla, C. E., Ireland, M., Schwarzenberg, S. J., Dunitz, J. M., Khan, K. M.
  2010; 9 (5): 365-370

- **Pre-transplant risk factors affecting outcome in Hurler syndrome** *BONE MARROW TRANSPLANTATION*
  Orchard, P. J., Milla, C., Braunlin, E., DeFor, T., Bjoraker, K., Blazar, B. R., Peters, C., Wagner, J., Tolar, J.
  2010; 45 (7): 1239-1246

- **Comparison of Settings Used for High-Frequency Chest-Wall Compression in Cystic Fibrosis** *RESPIRATORY CARE*
  Kempainen, R. R., Milla, C., Dunitz, J., Savik, K., Hazelwood, A., Williams, C., Rubin, B. K., Billings, J. L.
  2010; 55 (6): 695-701

- **HOSPITALIZATION AND DEATH RATES OF HISPANIC CYSTIC FIBROSIS PEDIATRIC PATIENTS IN CALIFORNIA**
  Buu, M. C., Milla, C., Chan, J., Wise, P. H., Cornfield, D. N.
  WILEY-BLACKWELL.2010: 390–391

- **Nutrition in Cystic Fibrosis** *SEMINARS IN RESPIRATORY AND CRITICAL CARE MEDICINE*
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