



## MyMy Buu

Clinical Professor, Pediatrics - Pulmonary Medicine

### CLINICAL OFFICE (PRIMARY)

- **Pediatric Pulmonary and Cystic Fibrosis Clinic**

770 Welch Rd Ste 380

MC 5882

Palo Alto, CA 94304

Tel (650) 724-4788      Fax (650) 497-8791

### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Marifin Besona - Fellowship Coordinator

**Email** mbesona@stanford.edu

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### Bio

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#### BIO

Dr. MyMy Buu is a Clinical Professor of Pediatrics, Pulmonary Medicine at Stanford School of Medicine. She is a board certified pediatric pulmonologist and pediatrician. She specializes in the evaluation and treatment of pediatric lung diseases including: respiratory complications of neuromuscular disease, pulmonary sequela of aspiration, bronchoscopy and pediatric airway anomalies, chronic respiratory failure related to chronic lung disease of prematurity and interstitial lung diseases, cystic fibrosis, and asthma.

She is the Director of the Pediatric Pulmonary Neuromuscular Program and Associate Director of the Aerodigestive Program at Stanford Children's Health. She is the Program Director of the Pediatric Pulmonary Fellowship at Stanford School of Medicine.

Dr. Buu is dedicated to caring for children with chronic disease and special health care needs. She is one of the pulmonologists for a number of multidisciplinary care teams including the Pediatric Neuromuscular Disorders Center, Aerodigestive Program, and Cystic Fibrosis Center.

Her scholarly work has been focused on pediatric health in vulnerable communities. Her current research is pulmonary outcomes of patients with neuromuscular disease. She is involved in clinical trials in patients with neuromuscular disease.

In her free time, she likes spend time with her husband and children, cook, garden and travel.

#### CLINICAL FOCUS

- Neuromuscular Disease
- Aerodigestive Disorders
- Chronic Respiratory Failure / Mechanical Ventilation
- Diffuse Lung Disease / Interstitial Lung Disease
- Cystic Fibrosis

- Bronchopulmonary Dysplasia
- Asthma
- Pediatric Pulmonology

## **ACADEMIC APPOINTMENTS**

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

## **ADMINISTRATIVE APPOINTMENTS**

- Program Director, Stanford University School of Medicine, Pediatric Pulmonary Fellowship, (2022- present)
- Associate Program Director, Stanford University School of Medicine, Pediatric Pulmonary Fellowship, (2016-2022)
- Pediatric Residency Pulmonary Rotation Director, Stanford University School of Medicine, Pediatric Residency, (2013- present)

## **HONORS AND AWARDS**

- Community Access to Child Health Grant, American Academy of Pediatrics (December 2007-June 2009)
- 2nd year Clinical Fellowship, Cystic Fibrosis Foundation (July 2010-June 2011)
- Crandall Endowed Fellowship, Stanford University School of Medicine (July 2010-June 2011)
- Ernest and Amelia Gallo Endowed Fellow, Lucile Packard Foundation for Children's Health (July 2011-June 2012)
- Scholar, Bass Society of Pediatric Scholars (June 2012)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, Research Committee, Aerodigestive Society (2018 - present)
- Member, Program Committee, American Thoracic Society (2016 - 2019)
- Member, American Thoracic Society (2009 - present)
- Fellow, American Academy of Pediatrics (2004 - present)

## **PROFESSIONAL EDUCATION**

- Medical Education: UCLA David Geffen School Of Medicine (2006) CA
- Board Certification: Pediatric Pulmonology, American Board of Pediatrics (2012)
- Residency: Stanford Health Care at Lucile Packard Children's Hospital (2009) CA
- Internship: Stanford Health Care at Lucile Packard Children's Hospital (2007) CA
- Fellowship: Stanford University Pediatric Pulmonary Fellowship (2012) CA
- Board Certification: Pediatrics, American Board of Pediatrics (2009)

## **LINKS**

- Center for Excellence in Pulmonary Biology Website: <http://breathe.stanford.edu>
- Stanford Cystic Fibrosis Center Website: <http://cfcenter.stanford.edu/>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Her scholarly work has been focused on pediatric health in vulnerable communities. Her current research is pulmonary outcomes of patients with neuromuscular disease. She is involved in clinical trials in patients with neuromuscular disease.

I have had a range of mentored research experiences during my educational and medical training, ranging in developmental biology to community-based participatory research. My prior work included conducting a community needs assessment for caregivers of Vietnamese-American children in San Jose, CA.

I studied health inequalities and disparities experienced by children with special health care needs. My research has involved using large administrative databases to explore healthcare utilization patterns in Hispanic patients with cystic fibrosis. I investigated the determinants of differential health outcomes of in patients with cystic fibrosis, specifically looking at ethnicity/race, health care utilization, and genetics.

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Pulmonology (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Feasibility and Inter-Test Reproducibility of Lung Clearance Index and Slow Vital Capacity in Children with Neuromuscular Disorders**  
Lam, J., Pettigrew, G., Withers, A., Zirbes, J., Buu, M., Milla, C., Wilson, A.  
EUROPEAN RESPIRATORY SOC JOURNALS LTD.2024
- **Prevalence and associations of sleep disordered breathing in children with neuromuscular disorders**  
Withers, A., Lam, J., Pettigrew, G., Downs, J., Deegan, S., Gauld, L., Spano, J., Milla, C., Buu, M., Filmer, K., Wilson, A.  
EUROPEAN RESPIRATORY SOC JOURNALS LTD.2024
- **Genetic therapies and respiratory outcomes in patients with neuromuscular disease.** *Current opinion in pediatrics*  
Chen, D., Ni, J., Buu, M.  
2024; 36 (3): 296-303
- **Major Adverse Dystrophinopathy Events (MADE) Score as Marker of Cumulative Morbidity and Risk for Mortality in Boys with Duchenne Muscular Dystrophy.** *Progress in pediatric cardiology*  
Kaufman, B. D., Garcia, A., He, Z., Tesi-Rocha, C., Buu, M., Rosenthal, D., Gordish-Dressman, H., Almond, C. S., Duong, T.  
2023; 69
- **Nocturnal hypoventilation as a respiratory complication of acute flaccid myelitis.** *The Journal of pediatrics*  
Aziz-Bose, R., Bhargava, S., Buu, M., Bove, R., van Haren, K.  
2022
- **Consensus on Triple Endoscopy Data Elements Preparatory to Development of an Aerodigestive Registry.** *The Laryngoscope*  
Boesch, R. P., de Alarcon, A., Piccione, J., Prager, J., Rosen, R., Sidell, D. R., Wootten, C., Balakrishnan, K., Aerodigestive Research Collaborative  
2022
- **Advances in the therapy of Spinal Muscular Atrophy.** *The Journal of pediatrics*  
Klotz, J., Rocha, C. T., Young, S. D., Duong, T., Buu, M., Sampson, J., Day, J. W.  
2021
- **Gastrostomy Tubes Placed in Children With Neurologic Impairment: Associated Morbidity and Mortality.** *Journal of child neurology*  
Lin, J. L., Rigdon, J. n., Van Haren, K. n., Buu, M. n., Saynina, O. n., Bhattacharya, J. n., Owens, D. K., Sanders, L. M.  
2021: 8830738211000179
- **Pneumonia Prevention Strategies for Children With Neurologic Impairment.** *Pediatrics*  
Lin, J. L., Van Haren, K. n., Rigdon, J. n., Saynina, O. n., Song, H. n., Buu, M. C., Thakur, Y. n., Srinivas, N. n., Asch, S. M., Sanders, L. M.  
2019
- **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; 198 (8): 983-984

- **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
- **Respiratory complications, management and treatments for neuromuscular disease in children** *CURRENT OPINION IN PEDIATRICS*  
Buu, M. C.  
2017; 29 (3): 326-333
- **Developing Gene-Specific Meta-Predictor of Variant Pathogenicity** *bioRxiv*  
Rychkova, A., Buu, M., Scharfe, C., Lefterova, M., Odegaard, J., Schrijver, I., Milla, C., Bustamante, C.  
2017
- **Ocular manifestations of pulmonary diseases** *The Eye in Pediatric Systemic Disease*  
Yoo, S., Buu, M.  
Springer International Publishing.2017
- **Evaluating Outcomes Disparities in the Hispanic Cystic Fibrosis Population A Need for a National Analysis Response** *CHEST*  
Buu, M. C., Milla, C. E., Wise, P. H.  
2016; 150 (3): 753
- **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
- **Asthma, tobacco smoke and the indoor environment: a qualitative study of sheltered homeless families** *JOURNAL OF ASTHMA*  
Buu, M. C., Carter, L., Bruce, J. S., Baca, E. A., Greenberg, B., Chamberlain, L. J.  
2014; 51 (2): 142-148

## PRESENTATIONS

- Hospitalization and death rates of Hispanic cystic fibrosis pediatric patients in California - North American Cystic Fibrosis Conference (October 23, 2010)
- Airway Clearance Strategies in Children with Neuromuscular Disease - American Thoracic Society Postgraduate Course
- Pediatric Dysphagia & Aspiration: Pediatric Pulmonologist Perspective - Dysphagia Research Society
- Ventilator management: Next generation ventilators and home equipment - Aerodigestive Society Conference
- Respiratory care in patients with congenital muscular dystrophy - Cure Congenital Muscular Dystrophy