



PEDIATRIC PULMONARY 36TH ANNUAL

Cotton Conference For Pulmonary Research

February 6, 2025

University of Colorado
Folsom Field
Byron R. White Club

Provided by

Children's Hospital Colorado, Pediatric Pulmonary Medicine



Children's Hospital Colorado



Affiliated with
University of Colorado
Anschutz Medical Campus

Cotton Conference

About

Named after the founder of our fellowship program, Ernie Cotton, a pioneer in pediatric pulmonary medicine, the Cotton Conference has grown into one of the oldest and most respected gatherings in the United States. For over three decades, this event has been a hub for advancing the field, showcasing cutting-edge research and fostering the next generation of pediatric pulmonologists

Learning Objectives

Define translational research used to understand the pathophysiology, prevention, and treatment of inhalational lung injury and lung fibrosis.

Advance understanding about prediction models, treatment, outcomes, and follow-up of severe pediatric asthma.

Review novel practices and identify considerations for future practices for monitoring and measuring health outcomes in patients with cystic fibrosis, asthma, neuromuscular diseases, sleep, and other pediatric pulmonary diseases.

Assess racial disparities, healthcare inequities, and aspects of social determinants of health as they relate to health outcomes of children with pulmonary and sleep medicine conditions.

Advance trainees' skills in research development, professional research presentation and Q&A, and professional development for our future leaders in Pediatric Pulmonary & Sleep Medicine.

Keynote

Fernando Holguin M.D., M.P.H.

James C. Campbell Professor of Pulmonary Medicine. Head, Division of Pulmonary Allergy and Critical Care, University of Colorado



Celebrating the retirement of founder Ernie Cotton

Continuing Education

CME: Children's Hospital Colorado is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Children's Hospital Colorado designates this live activity for a maximum of 6.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

February 6, 2026

8:00 a.m.	Welcome Breakfast
9:00-9:20	Sweat Electrolytes As A Marker of CFTR Function <i>Angela Metcalf, MD</i>
09:25-09:45	Sweat Electrolytes to Guide Precision Medicine in CF <i>Edith Zemanick, MD</i>
09:50-10:10	Testing Oscillometry to Monitor Pulmonary Function in Dystrophinopathies <i>Molly McCoy, MD</i>
10:15-10:35	Using Oscillometry to Monitor Pulmonary Function in Toddlers Who Wheeze <i>Kate Smith, PHD</i>
10:40-11:00	Determinants of Future Asthma in Toddlers Who Wheeze <i>Alizay Paracha, MD</i>
11:05-11:25	Case Presentation Related to Advancements in Pediatric Pulmonology <i>Dua' Samara, MD</i>
11:30-12:15	The Future of Asthma Clinical and Translational Research <i>Keynote Fernando Houlguin, MD</i>
12:30-01:55	Lunch (Provided) and Folsom Tour
02:00-02:20	Sub Specialty Pipeline: What We Know and What Can We Impact? <i>Juhee Patel, DO</i>
02:25-02:45	Improving Fellow Knowledge About chILD Though An App-Based Education Model <i>Jorge Valencia Rico, MD</i>

02:50-03:10	Using AI Technology To Improve Adherence or in The Clinic To Improve Patient Care <i>Heather De Keyser MD, Amanda Messinger MD</i>
03:15-03:35	EIT At The Bedside <i>Katie Enzer, MD</i>
03:40-04:10	Advancements and Clinical Applications of EIT <i>Jennifer Mueller, PHD</i>
04:15-04:35	Case Presentation Related to Innovation <i>Elizabeth Woodburn, MD</i>
04:40-05:00	Innovating as a Physician <i>Robin Deterding MD, Gali Baker PHD</i>
05:05-05:20	Wrap Up - Evaluation - Adjourn <i>Dr. Fernando Houlguin</i>
6:00 p.m.	Celebration Dinner



Ernie Cotton

Fellows

3rd Year

[Angela Metcalf, MD](#)

[Molly McCoy, MD](#)

2nd Year

[Juhee Patel, DO](#)

[Alizay Paracha, MD](#)

[Jorge Valencia Rico, MD](#)

1st Year

[Dua' Samara, MD](#)

[Elizabeth Woodburn, MD](#)

Speakers

[Gali Baker, PHD](#)

Managing Director of Strategy and Operations, CU Innovations, Anschutz Medical Campus

[Heather De Keyser, MD MSCS](#)

Associate Professor of Pediatrics - Pulmonary Medicine

[Robin Deterding, MD](#)

Professor of Pediatrics - Pulmonary Medicine. Director Breathing Institute

[Katie Enzer, MD](#)

Assistant Professor of Pediatrics - Pulmonary Medicine

[Fernando Holguin, MD](#)

Professor and Division Head Pulmonary Sciences and Critical Care

[Amanda Messinger MD](#)

Associate Professor of Pediatrics - Pulmonary Medicine

[Jennifer Mueller, PHD](#)

Professor of Mathematics and Biomechanical Engineering Colorado State University

[Kate Smith, PHD](#)

Assistant Professor of Pediatrics - Pulmonary Medicine

[Edith Zemanick, MD](#)

Professor of Pediatrics - Pulmonary Medicine. Fellowship Research Director

Register Here:

Hybrid format - Please register for the conference and select educational format to participate.

All pertinent information, including the Zoom links to access the conference will be provided 1-3 days prior to the conference.

Cotton Conference Registration Fees

Children's Hospital Colorado and University of Colorado Faculty registration fees are covered by the Section of Pulmonary and Sleep Medicine

Community Providers, \$150.00

Children's Colorado Staff & Univ. of Colorado Faculty, \$0.00

Residents and Fellows, \$0.00

Trainees & Students, \$0.00