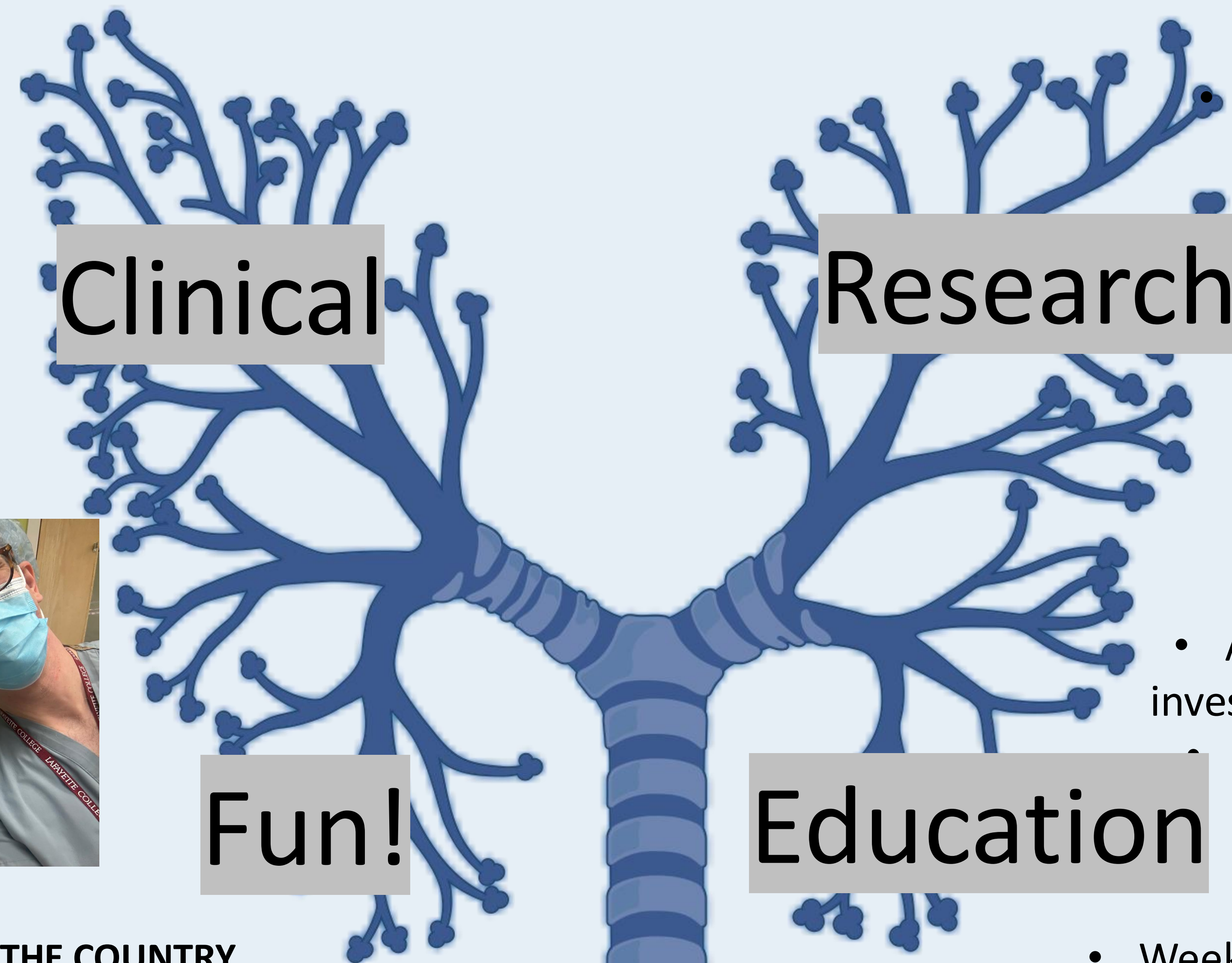




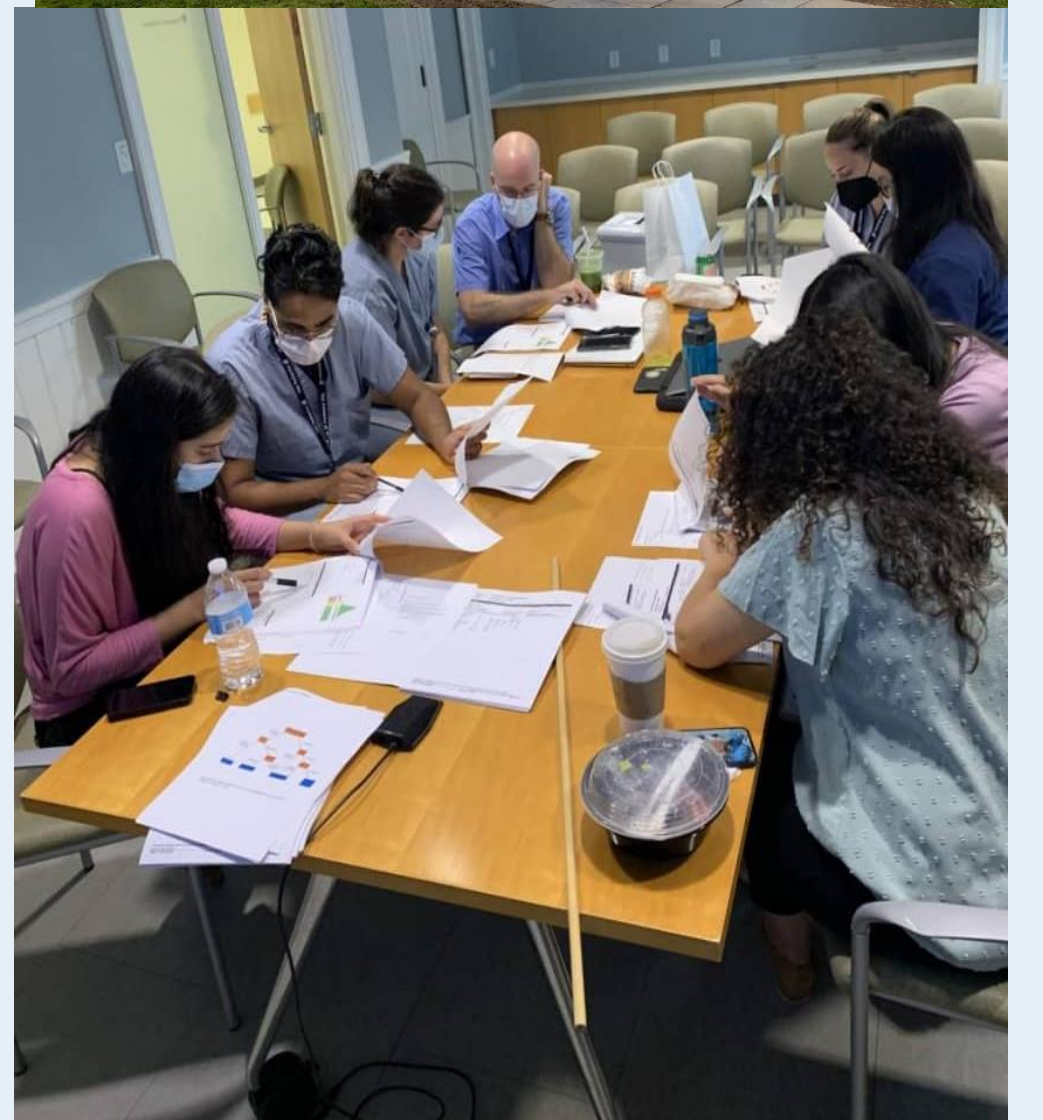
# Yale Pediatric Pulmonology Fellowship



- Diverse faculty and patient population
  - Tertiary academic center
  - Sleep medicine fellowship
- Interdisciplinary subspecialty clinics: CF, aerodigestive, asthma, neuromuscular, sleep, and more!
  - 300+ bronchoscopies per year
- Electives: Interventional bronchoscopy, allergy/immunology, radiology, SLP, and more!
  - Flexible fellow schedules



- Our fellows' interests:**
- Profiling sputum immune cells in patients with CF using scRNA seq
    - Masters in medical education
      - Sleep actigraphy in PICU
  - Quality improvements in management of complicated pneumonia, BPD, asthma
    - Advocacy!
  - T21 funding opportunities
  - NIH and CFF funded research mentors
  - Advanced degree options (MPH, MedEd, MHS, investigative medicine program that can lead to a PhD)
  - Research opportunities across Yale University



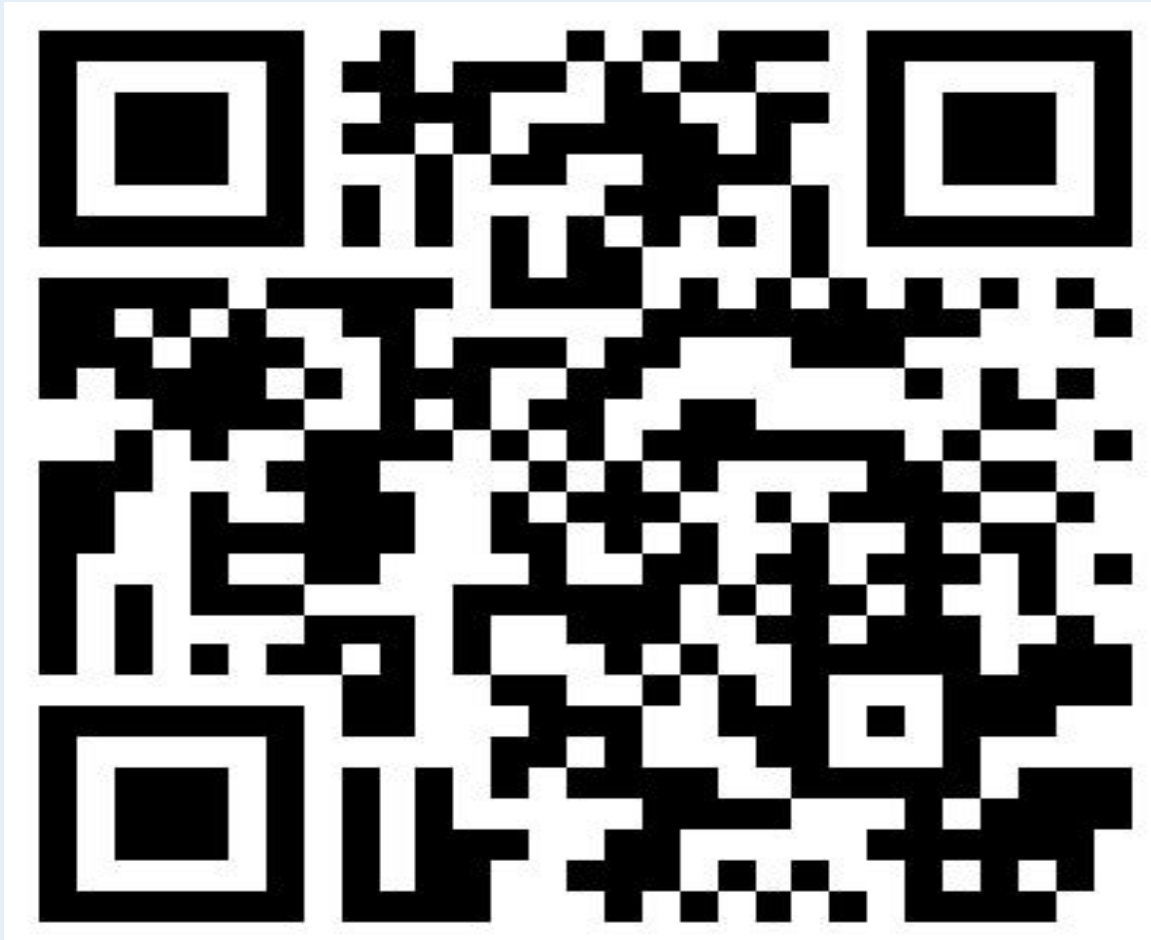
- **BEST PIZZA IN THE COUNTRY**
  - New Haven: NYTimes Top 50 places to visit
- Affordable northeast coastal living close to major cities
- Beaches, sailing, hiking, biking, and wine trails. Access to world class museums, theaters, and music concerts



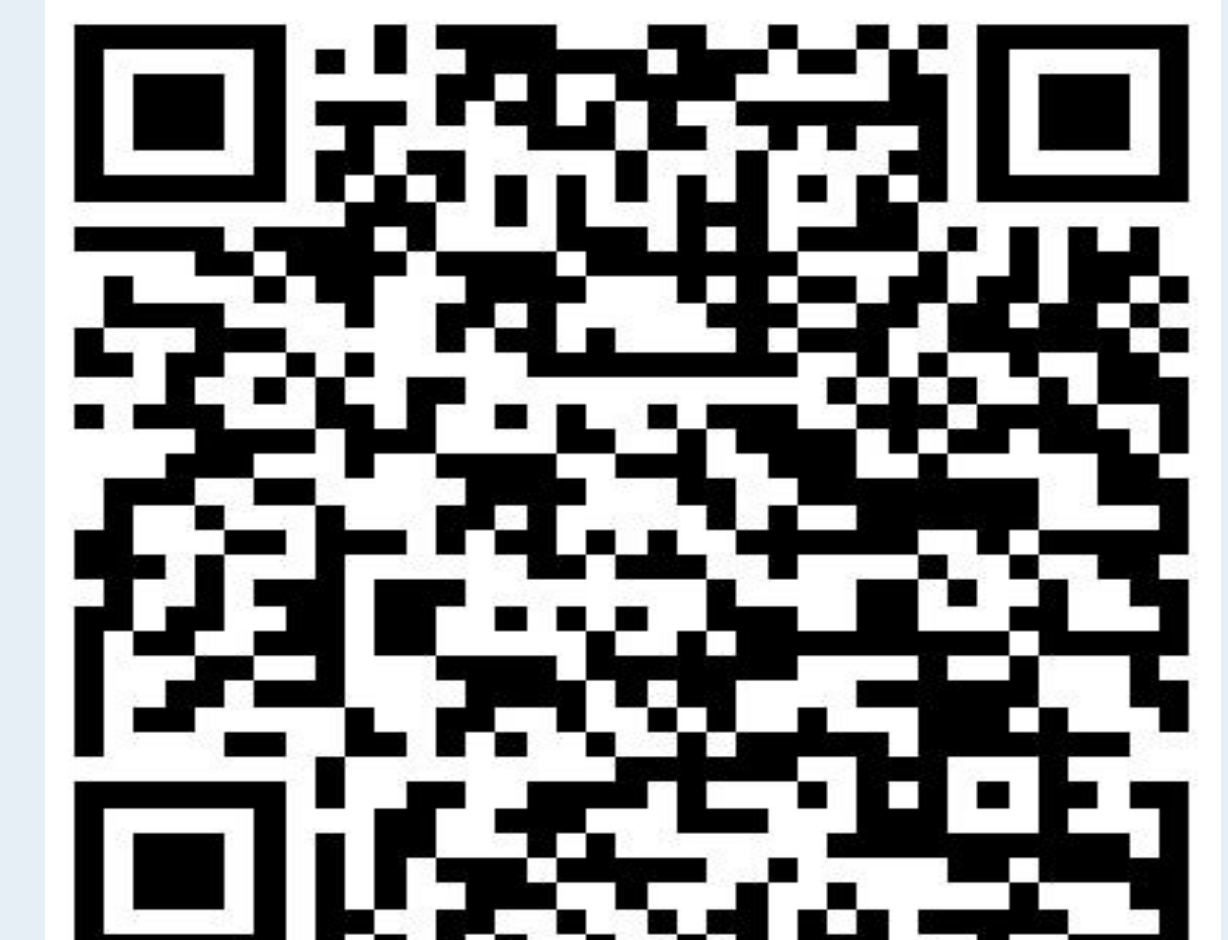
- Weekly fellow seminars dedicated to career development
  - Summer bootcamp
- Fellows as Medical Educators (FAME) program
- Four scholarly pathways: QI, global health, MedEd, and investigative research



Yale Peds Instagram



Fellowship Website



## Program Leadership

Division Chief: Marie Egan

[marie.egan@yale.edu](mailto:marie.egan@yale.edu)

Program Director: Laura Chen

[laura.chen@yale.edu](mailto:laura.chen@yale.edu)

Program Coordinator: Phyllis Miller:

[phyllis.miller@yale.edu](mailto:phyllis.miller@yale.edu)

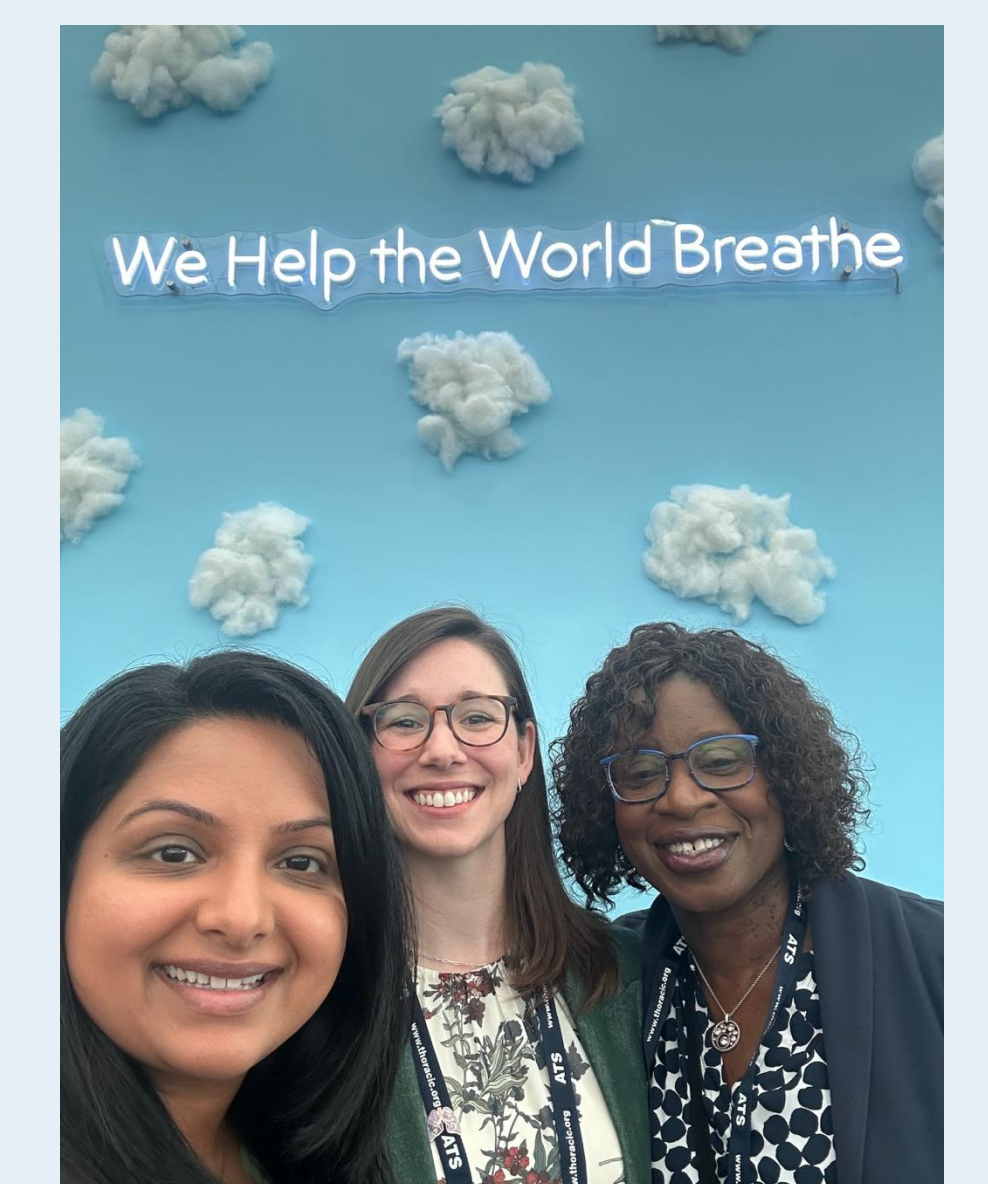
YaleNewHavenHealth

Yale New Haven Children's Hospital



THE ROSE BALL  
CYSTIC FIBROSIS FOUNDATION

Yale University  
Yale New Haven Health  
Yale New Haven Hospital



## Pediatric Pulmonology Fellowship

**Mission Statement:** Train pediatricians from **diverse backgrounds** to be **outstanding pulmonologists** who are 1) skilled clinicians with a foundation in physiology, 2) critical thinkers, 3) avid teachers, and 4) physicians who improve care via scholarship and programmatic development

### Who we are



2025 Fellowship Retreat

#### Division Snapshot

- 37 Faculty
- 18 Full Clinicians
- 11 Clinician-Scholars
- 8 Faculty Scientists
- Well established clinical programs
- Aerodigestive, BPD, CF, PCD, Chronic ventilation, CDH, Sickle Cell, EILO, Neuromuscular, and more!



#### Research

- Seattle Children's Center for Respiratory Biology and Therapeutics (CRBT) launched in 2024
- >\$38M funding in FY2023
- >125 Publications in 2024



#### Traditions

- Summer Party
- Holiday Party
- Photo shoots
- Mariners games
- ATS Seattle Night
- March Madness
- Happy Hours



#### Program Leadership

Division Head: Terri Laguna, MD  
Fellowship Director: Jon Cogen, MD MPH  
Associate Director: Laura Ellington, MD MS  
Program Coordinator: Elysia Belcher



### Clinical highlights

#### Requirements

- Inpatient service: 18 weeks Year 1, 8 weeks each Years 2/3
- Night call: Weekend night coverage when on service only, Weeknights 1-2/month when not on service
- Continuity clinic when not inpatient
- Sleep rotation (4 weeks)
- Cardiac ICU (2 weeks)
- Aerodigestive OR days starting Y1

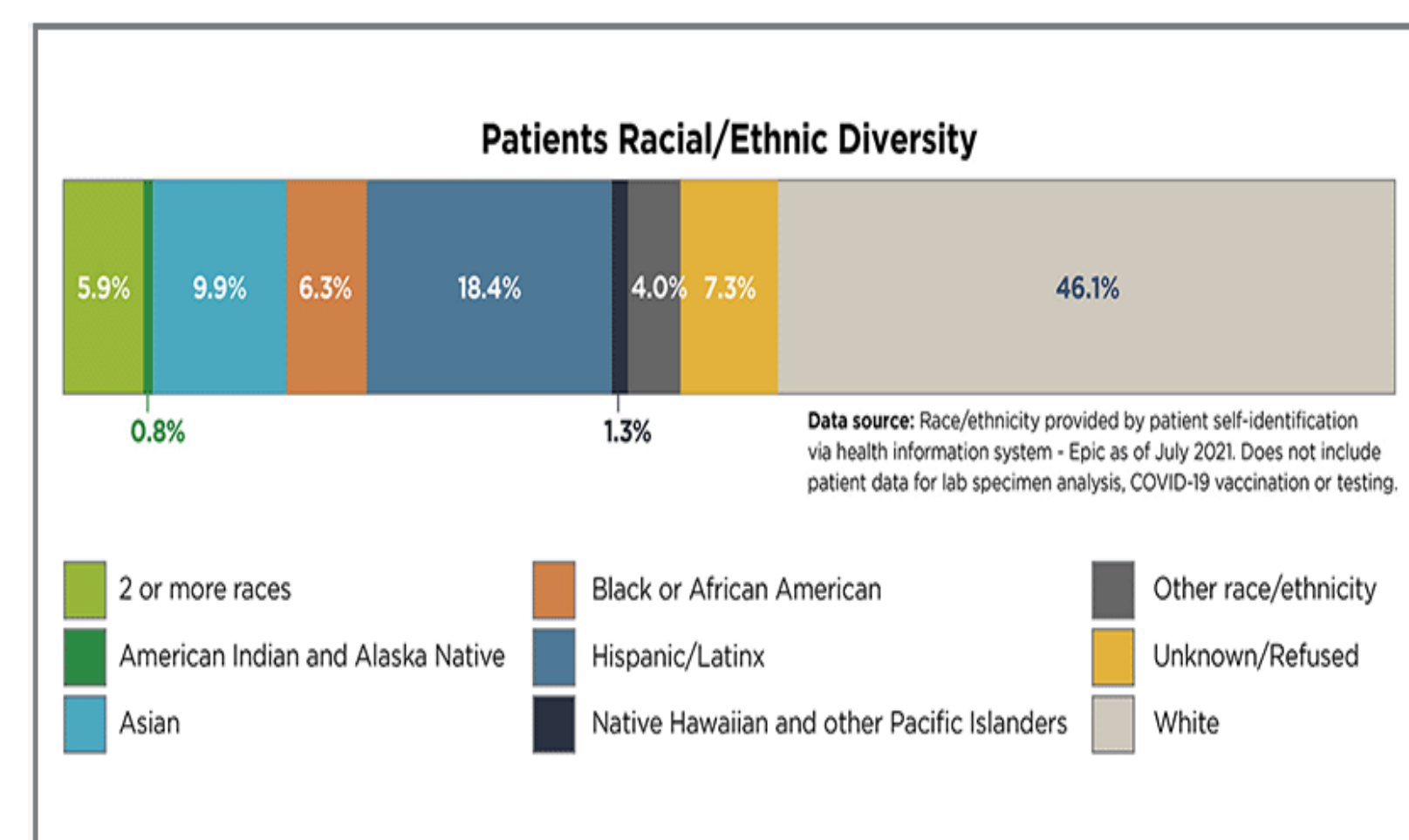


#### Tailored clinical training

- Wide breadth of sub-specialty clinics & sites
- Learn from our unique WWAMI population
- Outreach opportunities in rural Alaska, Eastern WA, & regional sites



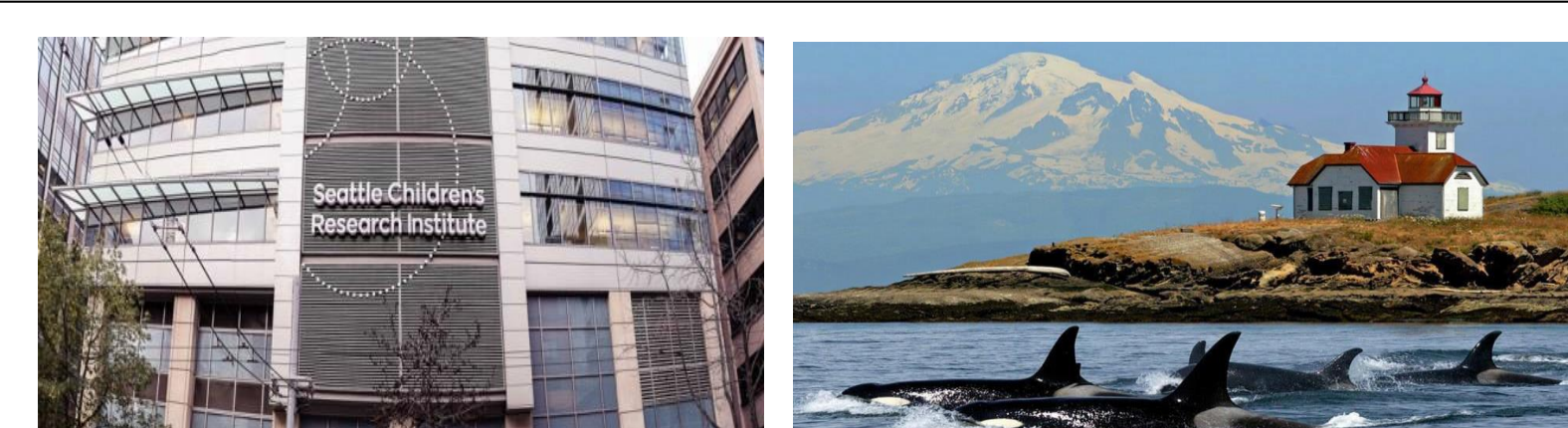
### Equity, Diversity, & Inclusion



- Highly committed to creating an environment inclusive to all people, patients, and families regardless of background or life experiences
- EDI training curriculum includes seminars, lectures, and journal club topics
- Scholarship opportunities working with experts in EDI & health disparities

#### Local Organizations & Resources

- Pulmonary & Sleep Division EDI Task Force
- UW Center for Health Equity, Diversity, & Inclusion
- Pediatrics Justice, Equity, Diversity, & Inclusion (JEDI) Committee
- UW Network for Underrepresented Residents & Fellows (NURF)



### Scholarship Opportunities



- Internationally renowned faculty mentors and leaders with a wide breadth of expertise and interests
- Subsidized coursework
- Research funding for all fellows
- Conference & travel funds available
- Track record of receiving funding during fellowship (CF Foundation, Thrasher, Firland Foundation, etc.)

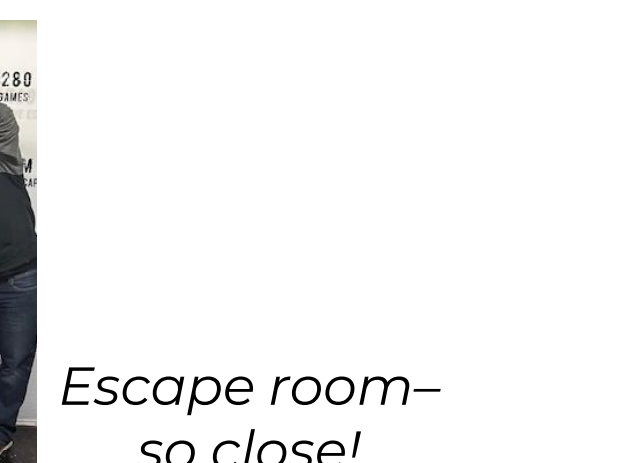


### Program Highlights

- An "academic playground" tailored based on individual interests
- Culture of collaboration, curiosity, and support
- Faculty-Fellow Dinners & funded wellness activities
- Protected learning time
- Robust physiology core curriculum + weekly didactics
- Integrated professional development
- Educational conferences
- Fellowship retreat
- Night call Very unique aspect of our program!; Mon-Fri PM call from 7p-7a each night by "off-service" fellow/faculty

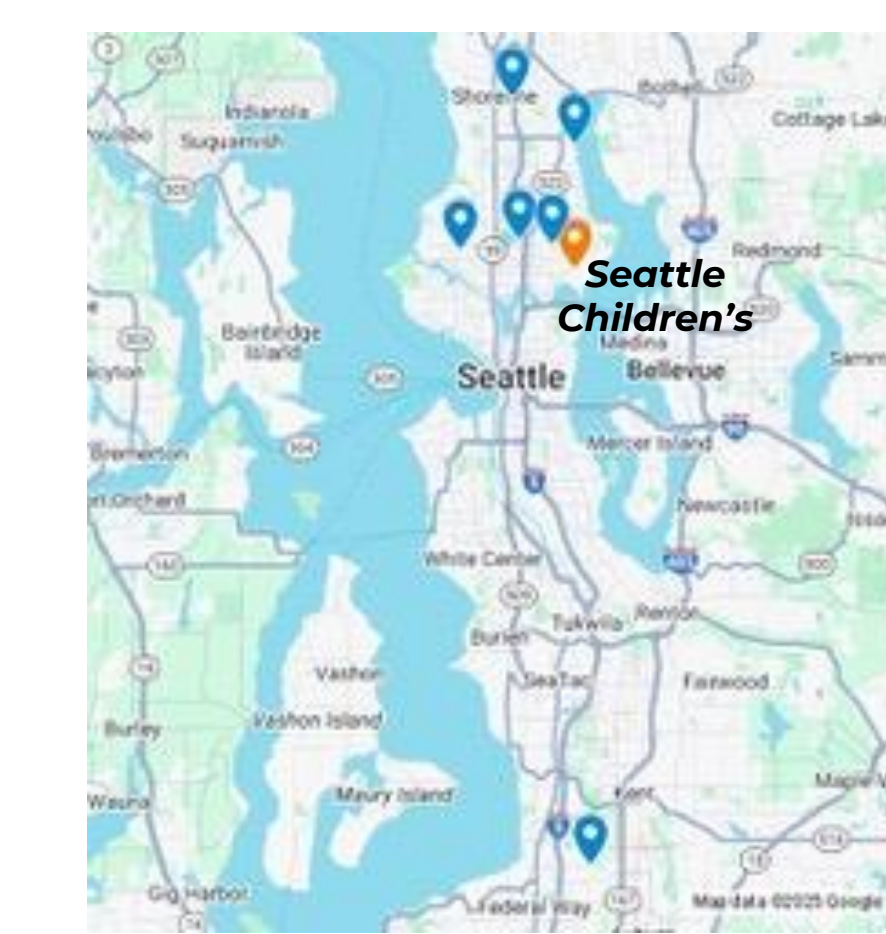


Fellows in rural Alaska



Escape room--so close!

### Fellow life



Where our current fellows live



#### The Great PNW

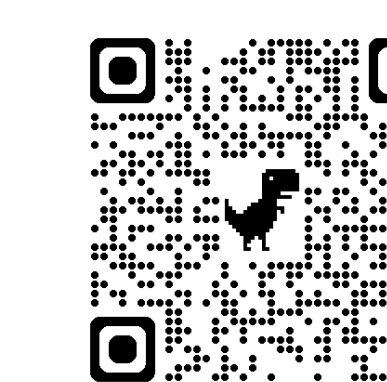
- Stunning mountain views in the city
- Nature access: Green spaces, hiking, biking, & skiing regardless of skill level
- Farmer's markets, bakeries, coffee shops, and local breweries everywhere
- Strong local & national scene for the arts
- Professional sports teams & rec leagues



- Fellows join us from all over the country
- Jobs after fellowship in the last 2 years range from full clinical positions to physician scientists and in between.

### Program Perks

- UW Housestaff Union
- Free meals
- Free GME Wellness Services
- UW Childcare support
- Professional Development Funds
- Free parking
- Gym



### Learn more!

@UWPedsPulm  
**Jon Cogen MD MPH**  
[jonathan.cogen@seattlechildrens.org](mailto:jonathan.cogen@seattlechildrens.org)  
**Laura Ellington, MD MS**  
[laura.ellington@seattlechildrens.org](mailto:laura.ellington@seattlechildrens.org)  
**Becca Smith**  
[becca.smith@seattlechildrens.org](mailto:becca.smith@seattlechildrens.org)

**Apply now for a Funded Visiting Resident Elective for Pediatric Pulmonary!!**



## Overview

- One of the best and most comprehensive fellowships in the nation
- A broad clinical, research and educational experiences for fellows, all of which are personalized
- Fellow-centered and supportive program responsive to feedback
- Graduates have launched successful careers at academic centers across the nation

## Clinical Training

Inpatient Training	Outpatient Training	Procedures	Electives
<ul style="list-style-type: none"> <li>• Coordinating inpatient service with housestaff</li> <li>• Managing the consult service (NICU, PICU, BPD consultations)</li> <li>• Overnight call from home</li> <li>• Service balanced over 3 years</li> </ul>	<ul style="list-style-type: none"> <li>• Averages 1-2 half days per week when not on service</li> </ul> <p>Clinics:</p> <ul style="list-style-type: none"> <li>• Fellow's clinic</li> <li>• Aerodigestive</li> <li>• Severe Asthma</li> <li>• Cystic Fibrosis</li> <li>• Bronchopulmonary Dysplasia</li> <li>• Neuromuscular</li> <li>• Sleep</li> </ul>	<p>Bronchoscopy</p> <ul style="list-style-type: none"> <li>• 75-100 cases during training</li> <li>• OR and ICU</li> <li>• Bronchoscopy Training Course</li> <li>• Simulated Bronchoscopy</li> </ul> <p>Study Interpretation</p> <ul style="list-style-type: none"> <li>• PFTs</li> <li>• Exercise Studies</li> <li>• Apnea Monitors</li> <li>• Sleep Studies</li> </ul>	<ul style="list-style-type: none"> <li>• Subacute Vent/NIPPV management</li> <li>• Immunology/ILD</li> <li>• Interventional Bronchoscopy</li> <li>• Pulmonary Hypertension Clinic</li> <li>• Adult Lung transplant</li> <li>• Advocacy</li> <li>• Tobacco Cessation</li> <li>• ENT</li> <li>• Global Health</li> </ul>



## Research

- Opportunities for research in basic science, clinical, translational, ethics, public health, global health, economics, etc.
- Fellows work on 1-2 projects throughout their fellowship with opportunities for publishing, presentations, grant writing, etc.
- Many of our fellows have not done research before, but we provide mentorship/resources
- Johns Hopkins School of Medicine
  - Top recipient of NIH funding
  - Dozens of core labs, animal facilities, interdisciplinary centers, etc.



## Recent Fellow Research Projects

Use of Digital Stethoscope in Diagnosis of Pneumonia in Low resource settings

Respiratory outcomes in neonatal lung disease and mono-allelic abca3 variants

Socio-economic determinants of health in asthma

Nutritional Outcomes in CF and SES

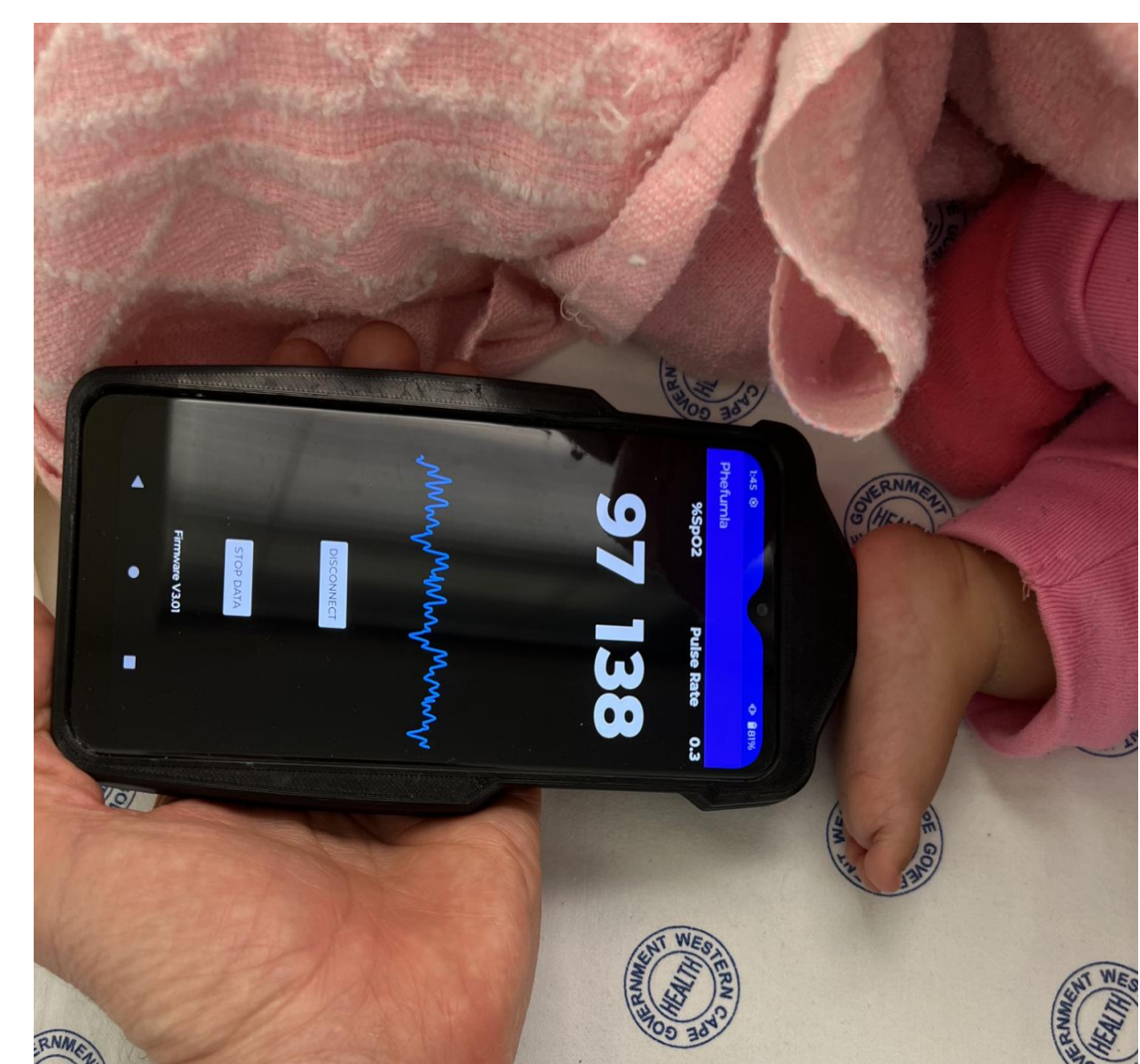
Tracheostomy Caregiver Decision-Making

Geospatial Mapping of Asthma Exposures

Long-Term Outcomes of BPD

Health Economics and Asthma

Toxic Metal Exposure from Electronic Cigarette Use



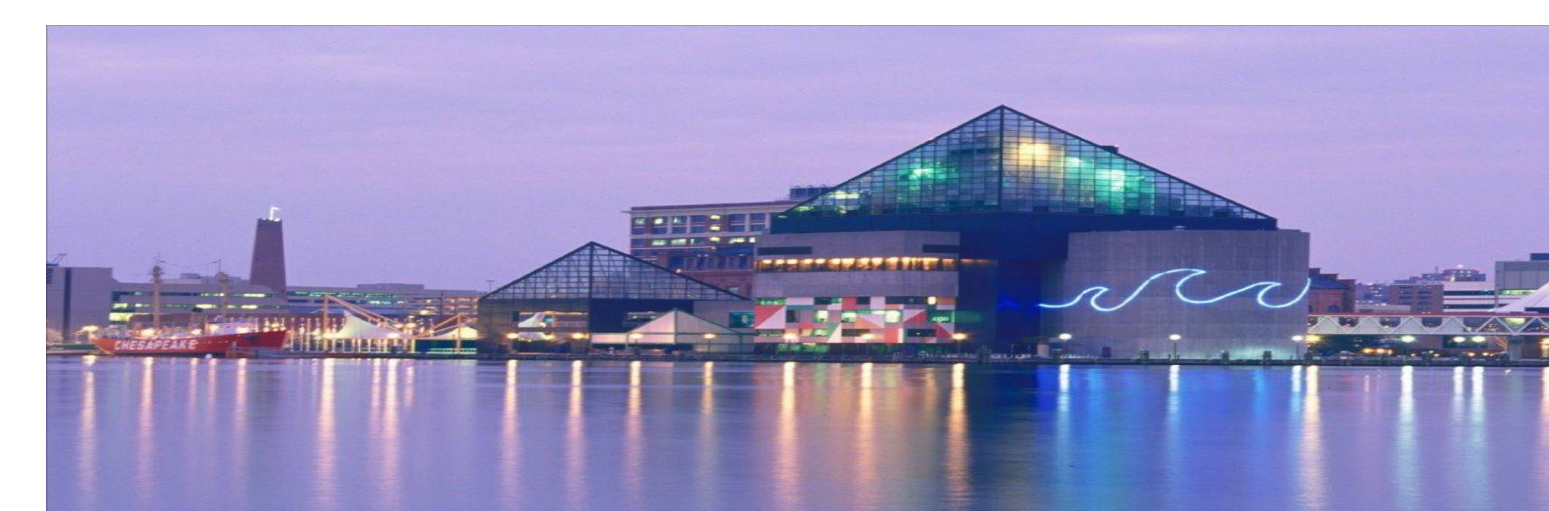
## Education

Division	Department of Pediatrics	School of Medicine	School of Public Health
<ul style="list-style-type: none"> <li>• Conference (weekly)</li> <li>• Board review (weekly)</li> <li>• Radiology rounds (8x/year)</li> <li>• PFT lectures</li> <li>• QI project</li> <li>• Career development</li> <li>• National conference (paid)</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly grand rounds</li> <li>• Weekly case conference</li> <li>• Biostat and Epi support (BEAD core)</li> <li>• Diversity and career development seminars</li> </ul>	<ul style="list-style-type: none"> <li>• Grant writing workshop</li> <li>• Research ethics workshops</li> <li>• Simulation center</li> <li>• Cystic fibrosis seminars</li> <li>• Adult pulmonary lectures</li> <li>• Welch medical library</li> </ul>	<ul style="list-style-type: none"> <li>• Biostats courses</li> <li>• Epidemiology courses</li> <li>• Optional MHS degree</li> <li>• Ranked 1<sup>st</sup> public health in the U.S. (USNWR 2024)</li> </ul>

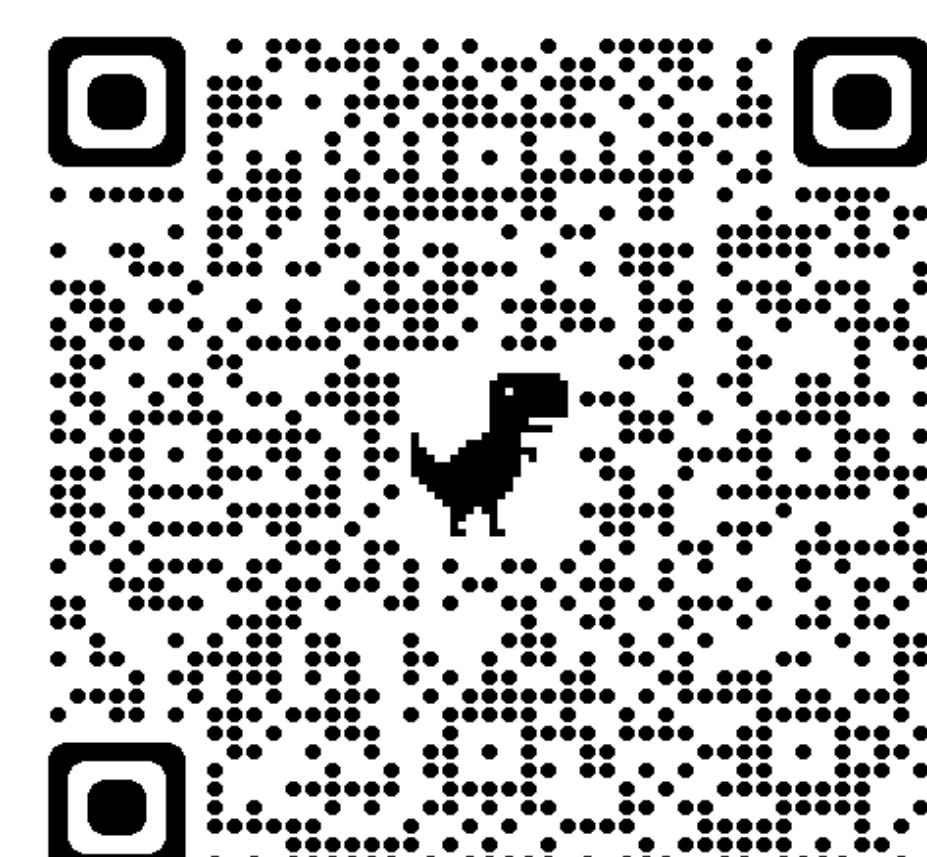


## Benefits and Life In Baltimore

Standard Benefits	Division	Institution
<ul style="list-style-type: none"> <li>• Healthcare (including dental/eye) for fellow and dependents</li> <li>• Life insurance</li> <li>• 403b retirement plan</li> <li>• NIH T32 child care benefit (\$2500 per year)</li> </ul>	<ul style="list-style-type: none"> <li>• Research mentors</li> <li>• Clinical mentors</li> <li>• "Safe" faculty contact outside the division</li> <li>• Sleep (fatigue) policy</li> <li>• Social events (lunches)</li> </ul>	<ul style="list-style-type: none"> <li>• Wellness events</li> <li>• DEI Council, events</li> <li>• Childcare voucher</li> <li>• Back-up child care (partial subsidy 10 days per year)</li> <li>• Lactation support</li> </ul>



Our website:





Boston Children's Hospital

Where the world comes for answers

# Pediatric Pulmonology Fellowship



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL

**Alicia Casey, MD, Program Director**  
**Laura Chiel, MD, Associate Program Director**  
**Magan Zecena, Program Manager**

### Current Overview

- 13 fellows in program: 4 first year fellows, 5 second year fellows, 3 third year fellows, 1 fourth year fellow
- 5 incoming fellows starting July 2026
- Two fellows are currently completing a combined pediatric/adult pulmonary fellowship (BCH/BWH)
- Three fellows are pursuing MPH degrees; one fellow is enrolled in the Health Affairs Elective Program

### Sample Weekly Conference

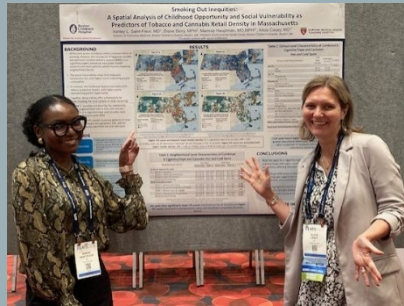
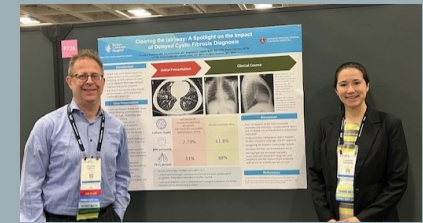
- Monday:** Pulmonary Grand Rounds, 12PM-1PM
- Tuesday:** Research Works in Progress, 12PM-1PM; Pulmonary Fellowship Physiology, October-June (once a month), 2:30PM-4PM
- Wednesday:** New England Pulmonary Consortium, 7:30AM-8:30AM; Pediatric Grand Rounds, 12PM-1PM
- Thursday:** Fellow's Seminar, 11AM-12PM; Pulmonary Division Case Conference/M+M, 12PM-1PM

### Rotation Summary

- Inpatient:** Admitting service for patients with acute and chronic respiratory diseases including asthma, cystic fibrosis, chronic lung disease of prematurity, interstitial lung disease, complicated pneumonia, pleural effusions, pneumothoraces, congenital malformations, and many other pediatric respiratory conditions.
- Consults:** Provides consultative services to all programs and services within Boston Children's Hospital.
- Transplant/NICU:** The transplant fellow cares for patients pre and post lung-transplant. The Neonatal Intensive Care Unit consult service providing consultation to neonates at Brigham & Women's Hospital and Beth Israel Deaconess Hospital with respiratory issues including bronchopulmonary dysplasia, interstitial lung disease, sleep disordered breathing, and other causes of neonatal lung disease.
- Bronchs/PFTs:** The Bronchoscopy Service performs greater than 700 bronchoscopic procedures each year. Each first-year fellow will generally perform >100 bronchoscopies in their first year of training. Fellows work with an attending physician to interpret pulmonary function tests performed in our laboratory.
- Chronic Respiratory Failure:** New rotation that began this academic year that is designed to enhance fellow education in chronic respiratory failure in partnership with Franciscan's Children's Hospital, a post-acute care rehabilitation facility.

### Current 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year Fellow Main Research Projects

- Noga Arwas, MD: "A Cohort-Based Phenotypic Risk Score Quantifies Phenotypic Similarity Among Bronchiectasis Patients"
- Alec Girtan, MD: "Entering into the Nicotine Free Generation: Community Perspectives on Novel Legislation"
- Elizabeth Moss, MD, PhD: "Hypoxia Induces Adaptive Lymphangiogenesis via Cd74 and Vegfr3 to Modulate Pulmonary Hypertension"
- Gabriel Paris, DO, MS: "Pediatric Lung Transplant Refusals: A Single Center Retrospective Analysis"
- Karin Plaza Lazo, MD: "Transcriptomic assessment of BPD mouse model and cellular therapy"
- Joanne Kim, MD: "Tracheostomy Tube Downsizing: The Importance of Outer to Inner Diameter Ratio in Flow Resistance"
- Ashley Saint-Fleur, MD: "Smoking Out Inequities: A Spatial Analysis of Social Vulnerability and Childhood Opportunity as Predictors of Tobacco Retail Density in Massachusetts"
- Chandra Swanson, MD: "Strengthening respiratory healthcare capacity in resource-constrained settings"
- Taylor Baumann, MD: "Lung Function in Pediatric Non-cystic Fibrosis Bronchiectasis Patients Compared to Cystic Fibrosis Patients: A 20-year Retrospective Cohort Study"



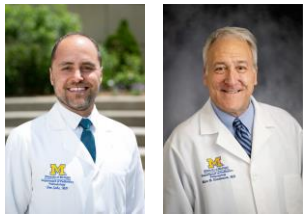
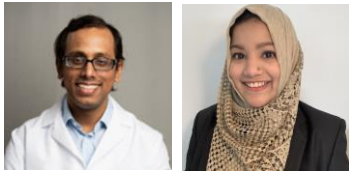


# MICHIGAN PEDIATRIC PULMONOLOGY FELLOWSHIP



## Program people

- 2 fellowship slots per year
- 12 pulmonologists
- 12 nurse practitioners



## Program specifics

- # 1 children’s hospital in Michigan
- Global health elective in Egypt
- Concurrent Masters degree in Clinical Research, Bioinformatics, others
- Concurrent Scholars Programs: medical education, healthcare administration, healthcare disparities
- Opportunities for blended training (pulm-sleep, pulm-hospitalist, pulm-critical care)
- Many clinical programs: asthma, CF, home ventilator, PCD, bronchoscopy, ChILD, aerodigestive, pulmonary hypertension, others
- Innovative bronchoscopy simulation training
- NIH-funded research mentors



## Program Culture

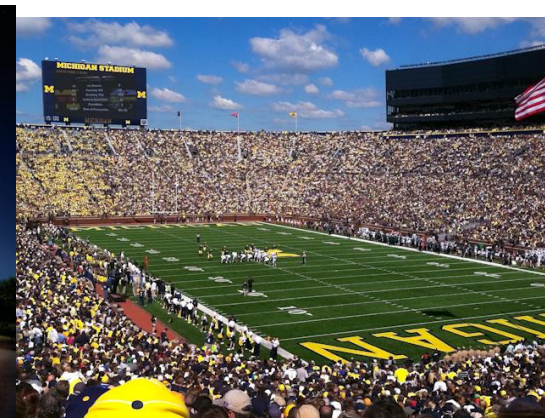
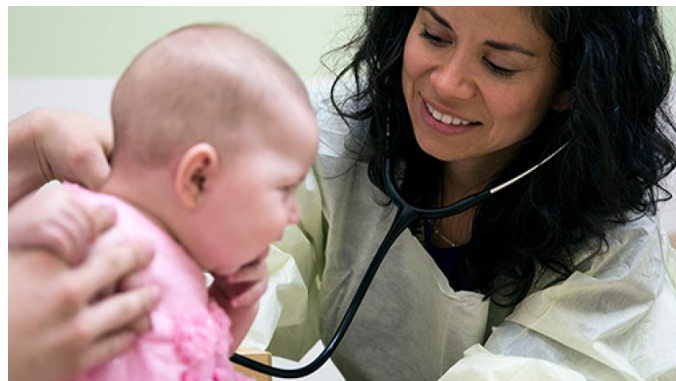
- Commitment to developing personalized training pathways

## Institution Culture

- Diversity, equity and inclusion are strongly valued

## Geographic area

- Ann Arbor is consistently voted one of the best places to live in the US



# Pediatric Pulmonology Fellowship at Riley Children's Health & Indiana University School Of Medicine

Indianapolis, Indiana

## About the Fellowship Program

- Faculty are dedicated to exceptional training and mentorship preparing future academic leaders.
- Exposure to complex pathophysiology, diverse patient interactions, and cutting-edge research experience with direct mentorship from NIH and CFF funded physician scientists.
- Fellows and faculty with diverse backgrounds are committed to promoting inclusive and equitable healthcare.
- Our culture promotes community and a sense of belonging to support each individuals' well-being.
- Graduates develop careers as clinician educators or physician scientists both nationally and internationally in wide range of settings.



## Learn More About Our Fellowship Program!



### Program distinctions

- Second largest CF program in the nation and only core program in Indiana accredited by the CF Foundation.
- One of 9 pediatric centers in the nation to earn accreditation as a PH Care Center by the Pulmonary Hypertension Association.
- Longest running Severe Asthma Program in the country.
- Interdisciplinary BPD Program affiliated with the BPD collaborative and CHNC Severe BPD Special Interest Group.
- National referral center for PCD.
- Other nationally recognized interdisciplinary clinics including Home Vent, Aerodigestive, Neuromuscular, Sickle Cell Disease.



25,000+  
ADMISSIONS AND  
OBSERVATIONS



475  
BEDS

65+  
PEDIATRICIANS

+ 615+  
SPECIALISTS ACROSS  
40+ SPECIALTIES

Providing care close to home in  
**22**  
communities  
throughout  
Indiana

ACS-VERIFIED LEVEL I  
PEDIATRIC TRAUMA CENTER  
AND LEVEL I CHILDREN'S  
SURGERY CENTER

ABA-VERIFIED  
BURN PROGRAM

**212**  
RESIDENTS AND FELLOWS

MATERNITY TOWER to care  
for mom and baby together  
under one roof

1 Level IV NICU

1 Level III NICU

### PROGRAM DIRECTOR:

Sarah E. Bauer, MD  
Email: [bauersae@iu.edu](mailto:bauersae@iu.edu)

### ASSOCIATE PROGRAM DIRECTOR:

Sandeep Puranik, MD  
Email: [spuranik@iu.edu](mailto:spuranik@iu.edu)

### PROGRAM COORDINATOR:

Kara Welch  
Email: [kalwelch@iu.edu](mailto:kalwelch@iu.edu)



Riley Children's Health  
Indiana University Health



Verified Level I  
Children's Surgery  
Center



AFFILIATED WITH



IU SCHOOL OF MEDICINE DEPARTMENT OF PEDIATRICS  
ranked **6<sup>th</sup>** in the nation for NIH research funding

To learn more, scan the QR code to view our annual report or visit [rileychildrens.org/annualreport](http://rileychildrens.org/annualreport).





# Pediatric Pulmonology

*University of Arizona*

Rees "Chip" Lee, MD  
Program Director



## About Us

- Located in beautiful Tucson, AZ
- 5 Peds Pulmonary Physicians
- 1 Ped Sleep Medicine Physician
- Diamond Children's Medical Center
- Cystic Fibrosis Center
- HRSA-funded Pediatric Pulmonary Center
- Asthma & Airways Disease Research Center
- Southwest Environmental Health Sciences Center

## Why Choose Us

Small program with demonstrated clinical and research excellence.

- Daily close collaboration with faculty.
- Academic and research focus
- Easy availability to research mentors
- Physically located on same campus as University of Arizona

"Coming to Arizona was the best professional decision I ever made. Small program with great people excelling in research and clinical science."

**Wayne Morgan, MD**  
Associate Program Director

## How Can We Help You



### Clinical

Entire spectrum of pulmonary disease with ample opportunities for bronchoscopies and other procedures.



### Research

Access to world-renowned researchers on same campus as children's hospital.



### Education

Access to entire UA academic offerings.  
Opportunity to take classes at Public Health School.  
Work closely with Pediatric Residents to develop your teaching skills.

## Contact Us



Program  
Coordinator

mgoetz@peds.arizona.edu



(520) 626-7278



Program  
Director

rees.lee@arizona.edu



(757) 647-9151

<https://peds.arizona.edu/fellowship/pulmonary-medicine>



# BAYLOR COLLEGE OF MEDICINE PEDIATRIC PULMONARY FELLOWSHIP PROGRAM

3 YEAR PROGRAM | 12 FELLOWS TOTAL (4 PER YEAR)

## ABOUT US

WE BELIEVE IN THE RIGHT BALANCE OF CHALLENGE AND SUPPORT TO DEVELOP WELL-ROUNDED, EXCEPTIONALLY TRAINED PEDIATRIC PULMONOLOGISTS WHO CAN EXCEL IN ANY CLINICAL ENVIRONMENT AND ADVANCE THE FIELD THROUGH PATIENT CARE, EDUCATION, OR SCHOLARSHIP. WE INSTILL A GROWTH MINDSET AND NURTURE OUR FELLOWS TO ACHIEVE THEIR CAREER GOALS IN AN ACADEMIC ENVIRONMENT FULL OF LEARNING OPPORTUNITIES.



**SCAN HERE**  
to learn more

## CENTER OF EXCELLENCE

- LUNG TRANSPLANT
- PULMONARY HYPERTENSION
- AERODIGESTIVE, PCD, SLEEP
- FORMALIZED MULTIDISCIPLINARY CONFERENCES (RESEARCH, AIRWAY, AND CYSTIC FIBROSIS)

## SCHOLARLY ACTIVITY

- MORE THAN 1 MENTOR
- SOC CHAIRS
- ATS PRESENCE
- QI COACH
- RESEARCH MODULE

## EDUCATION

- INDIVIDUALIZED CURRICULUM
- FORMALIZED MULTIDISCIPLINARY CONFERENCES (RESEARCH, AIRWAY, AND CYSTIC FIBROSIS)



## FELLOWS COLLEGE

- FELLOW ADVOCATES
- TOWNHALLS
- CORE CURRICULUM (RESEARCH, PROFESSIONALISM, CAREER DEVELOPMENT, DEI AND MORE.
- WELLNESS DAY

scan  
**ME!**  
to learn more



Board Pass Rate First Time Test Takers 2024 : 86%  
National Board Pass Rate First Time Test Takers 2024 : 79%

### Program Mission & Aims:

Our program is dedicated to fostering the next generation of innovative leaders in pediatric pulmonary medicine. Serving a diverse population from a seven-state region, we are committed to providing fellows with unparalleled clinical exposure to a broad spectrum of pediatric pulmonary conditions. Through tailored mentorship, robust educational resources, training in research, and a collaborative environment, we aim to foster the growth of compassionate, skilled, and forward-thinking clinicians who will lead the advancement of our field through research, education, and patient-centered care.

- **Aim 1:** Provide outstanding **clinical and procedural training experience** at Children's Hospital Colorado to deliver the highest quality, patient-centered, safe, and comprehensive care for pediatric patients and families.
- **Aim 2:** Provide exceptional opportunities for fellows in clinical, translational, basic, outcomes, quality improvement, or educational **research** to prepare for successful academic careers
- **Aim 3:** Establish a **career development plan**, including training and connection to leadership and advocacy opportunities, to guide fellows in establishing and reaching individual professional goals and objectives
- **Aim 4:** Equip trainees with strategies to maintain **wellness**, build **resilience**, and promote **population health** and engagement.



Our Pediatric Pulmonary and Sleep Medicine Section comprises **30 physicians, 19 APPs, 9 PhDs, and 8 fellows**. Photo: Cotton Conference Annual Research Meeting & Retreat



Stacey Martiniano, MD, MSCS  
Fellowship Program Director  
[stacey.martiniano@childrenscolorado.org](mailto:stacey.martiniano@childrenscolorado.org)



Joseph DiPaolo, MA  
Fellowship Coordinator  
[joseph.dipaolo@childrenscolorado.org](mailto:joseph.dipaolo@childrenscolorado.org)



Fellowship Instagram:  
[@coloradopeds pulm](https://www.instagram.com/coloradopeds pulm)



Fellowship Website (scan QR or copy address):  
<https://medschool.cuanschutz.edu/pediatrics/sections/pulmonary-sleep-medicine/fellowship>



# UC San Diego / Rady Children's Pediatric Pulmonary Fellowship



## WHERE WE ARE



## WHAT WE DO

Rotation	1st Year (weeks)	2nd/3rd Year (weeks)
Inpatient	20	10
Outpt	15	4
Scholarly Activity	8	34
Pulm Lab / Sleep	2	-
PICU	2	-

- ### Sub-Specialty Clinics
- Aerodigestive
  - Bronchopulmonary Dysplasia
  - Complex Sleep Apnea
  - Cystic Fibrosis
  - Neuromuscular Disease
  - PAP Therapy
  - Post BMT
  - Pulmonary Hypertension
  - Severe Asthma

## OUR MISSION

Nourish our fellows' passions for medicine and life

Train fellows to provide compassionate care for children and families affected by the breadth of respiratory diseases

Mentor fellows to participate meaningfully in scholarly work and research

Support each fellow as a person, from day one to graduation and beyond

Strive for Justice, Equity, Diversity and Inclusion in our community

**Rady Children's Hospital San Diego** - the LARGEST children's hospital in California, and one of the largest in the country

**Broad catchment area** - patients from urban, suburban and rural environments from all socioeconomic, religious, and cultural backgrounds

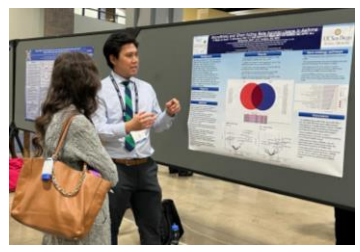
"America's Finest City"



## UCSD is one of the leading biomedical research institutions in the world!

- ### Fellow Research Projects
- MicroRNA in Children with Increased Bronchodilator Usage
  - Genetic Influence on Sweat Chloride Variability
  - PAP adherence in Duchenne muscular dystrophy
  - Metagenomic sequencing and host response in the aerodigestive population

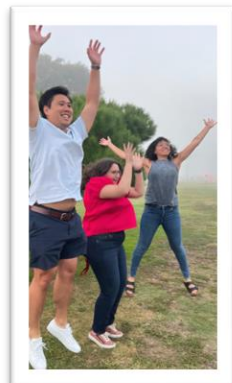
- ### Our Fellows Have Participated In:
- UCSD Global Health Master of Arts
  - UCSD Clinical Research Enhancement through Supplemental Training Program
  - Combined Adult – Peds Fellowship
  - AMSPDC Pediatric Scientist Development Program



**Elective opportunities:** Fellowship Tracts, Interventional Bronchoscopy (UCSD), Sleep Medicine, Cardiology, Intensive Care

## CONTACT US

**PROGRAM LEADERSHIP**  
 Division Chief: Kelan Tantisira  
[ktantisira@health.ucsd.edu](mailto:ktantisira@health.ucsd.edu)  
 Fellowship Director: Manju Hurvitz  
[mhurvitz@health.ucsd.edu](mailto:mhurvitz@health.ucsd.edu)  
 Fellowship Associate Director: Dan Lesser  
[dlesser@health.ucsd.edu](mailto:dlesser@health.ucsd.edu)  
**FELLOWS**  
 Sophia Karandashova  
[skarandashova@health.ucsd.edu](mailto:skarandashova@health.ucsd.edu)  
 Katherine Hosinski  
[khosinski@health.ucsd.edu](mailto:khosinski@health.ucsd.edu)  
 Rasa Tiano  
[rtiano@health.ucsd.edu](mailto:rtiano@health.ucsd.edu)





# Stanford University Program Stanford Health Care-sponsored



## Program Leadership:

- MyMy Buu, MD
- Caroline Okorie, MD, MPH
- John Mark, MD
- Marifin Besona, Coordinator



## Current Fellows:

- Krystal Jin, MD
- Spoorthi Davala, MD
- Daniel Nachreiner, MD
- Kate Mackin, MD
- Amrita Sunkad, MD



## Training Program:

### Clinical Training

- 12-16 months
- 24 weeks overnight call
- Clinical Programs:
  - Aerodigestive
  - Cardiac/Resp Care in BPD
  - Cystic fibrosis – Ped and Adult
  - Interventional bronchoscopy
  - Integrative medicine
  - Interstitial lung disease
  - Lung transplant
  - Neuromuscular disorders
  - Primary ciliary dyskinesia
  - Sleep Center

### Scholarly Training

- 17-21 months
- Scholarly projects include: Basic, Translational, Medical Education, Health Sciences, Global Health, Qualitative

### 3 months vacation

<https://med.stanford.edu/pedpulmonary>



## Program Culture

- Fellow education/training prioritized
- Mentorship for careers in academic pediatric pulmonary medicine
- Explore diverse areas of research
- 21+ faculty members, 7 NP/PA, RNs, RTs, RD, MSW, PharmD, PT, Psychologist

## Institution Culture

- Free standing children's hospital on academic campus
- Bring science and medicine together for clinical, translational and bench discovery
- Education support infrastructure in Dept of Peds, GME, School of Medicine for 128+ fellows in 22 pediatric fellowship programs

## Geographic Area

- Silicon Valley/San Francisco Bay Area in Northern California
- Diverse population – ethnic, cultural, economic
- Temperate sunshine year round: Mild, wet winters; warm, dry summers



Individualized training. High-impact care.

1–2 fellows/year | 100% Board Pass Rate | Texas Medical Center

## Why Choose UTHealth Houston

- Individualized, flexible training with close faculty mentorship
- Training in the TMC, the largest medical complex in the world
- One of the largest Primary Ciliary Dyskinesia centers in the U.S.
- High acuity & complex pulmonary disease across diverse patient populations
- 100% first-time board pass rate



## Education, Research & Career

- Funded research + structured mentorship for scholarly work
- Academic half-days and fellow-driven curriculum
- Fellows present nationally at ATS
- Tailored pathways: sleep medicine, research, academic/educator tracks



## Clinical & Subspecialty Training

- High-volume inpatient consult service
- Weekly continuity clinic + monthly subspecialty clinic: primary ciliary dyskinesia, bronchopulmonary dysplasia, congenital diaphragmatic hernia, sickle cell-pulmonary, pulmonary hypertension, and more
- Diagnostic tool utilization and study interpretation: cardiopulmonary exercise test, impulse oscillometry, nasal nitric oxide, video microscopy, airway endoscopy, and other procedures



## Fellow Experience & Support

- Flexible scheduling & protected time for boards
- Financial support for conferences, AAP PREP, CHEST review
- Supportive, collaborative “work-family” culture



## Living in Houston

- Live in one of the most diverse cities in the U.S.
- Affordable living with housing close to the Texas Medical Center
- World-class arts, museums, live music, and festivals
- Nationally recognized food scene
- Easy travel with two major airports and direct international access



## Contact

Cindy Jon, MD – Program Director

[cindy.jon@uth.tmc.edu](mailto:cindy.jon@uth.tmc.edu)

Judith Cerino – Fellowship Coordinator

[judith.cerino@uth.tmc.edu](mailto:judith.cerino@uth.tmc.edu)

[UTH Houston Pediatric Pulmonology Fellowship](#)

UTH Fellowship page



Scan or click to see our website!

# Pediatric Pulmonology Fellowship

## Golisano Children's Hospital of Buffalo | University at Buffalo

### FACULTY AND PROVIDERS

Geovanny Perez, MD, MSc  
Xilei Xu Chen, MD  
Daniel Sheehan, PhD, MD  
Amanda Hassinger, MD  
Kirsten Nutty, NP  
Mary Sheppard, NP  
Katie Stellrecht, NP



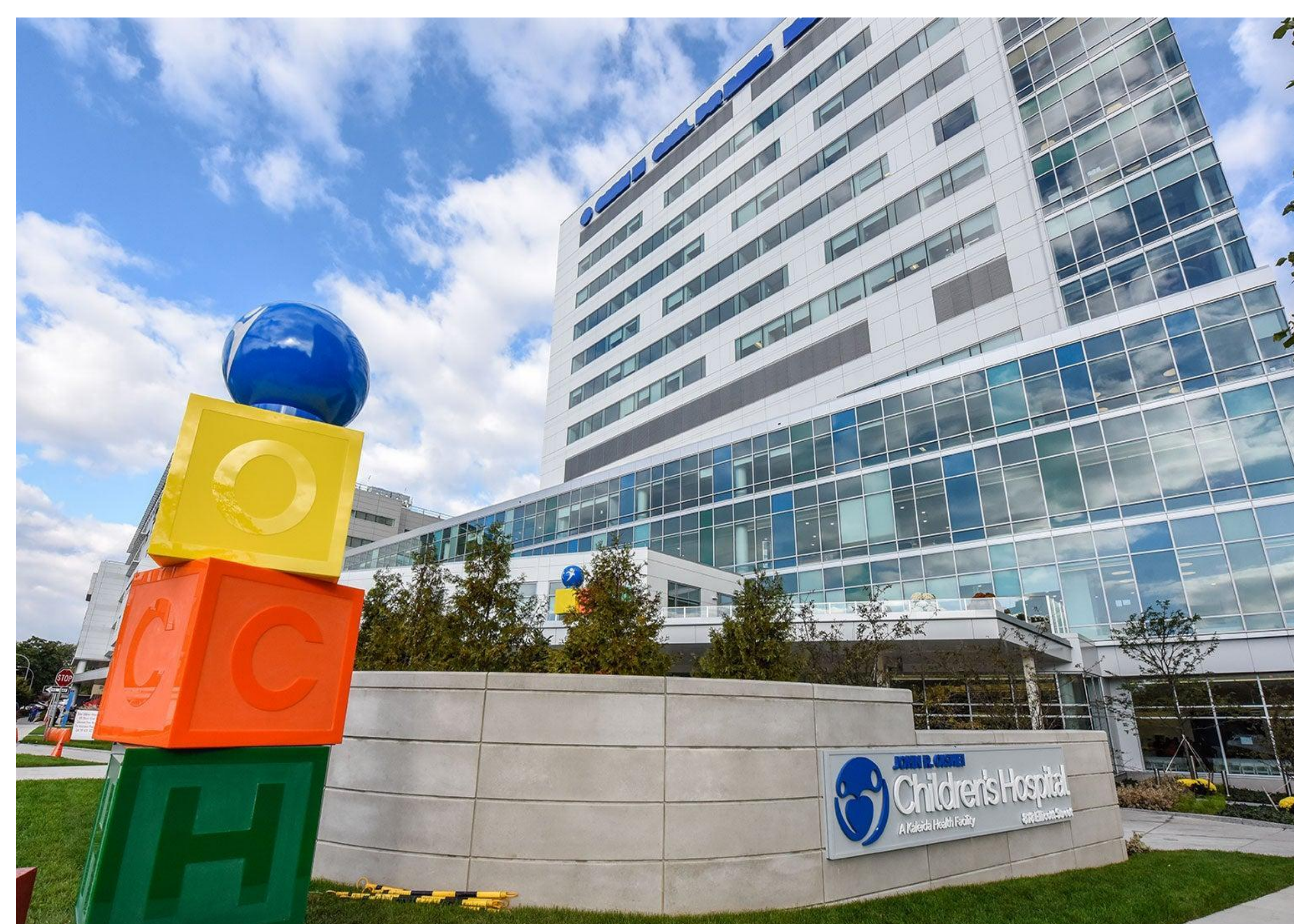
### MULTIDISCIPLINARY TEAM

- 3 Nurse Practitioners
- 5 Respiratory Therapists
- 3 Research Coordinators
- 1 Nurse
- CF Dietitian
- Social Worker

**“True multidisciplinary care  
embedded in daily clinical training”**

### CORE PROGRAMS

- Bronchopulmonary Dysplasia (BPD)
- Home Ventilation Program
- Cystic Fibrosis (CFF-TDN Site)
- Severe Asthma / Biologics Program
- Sleep Medicine (Expanded Program)
- Aerodigestive Program
- Sickle Cell Pulmonary Program
- 70+ CF patients
- 150+ bronchoscopies/year
- Full PFT lab (FOT, LCI, DLCO)



State-of-the-art Children's Hospital  
(Built 2017)  
Regional Referral Center

### SCHOLARSHIP AND RESEARCH

- Fellows as Educators Track
- Research
  - Asthma & Health Equity
  - BPD & NICU
  - CF Therapeutics
  - Sleep Medicine
  - PICU/NICU
- Strong Q&I Initiatives

### WHY OUR PROGRAM?

- Individualized Pathways
- Strong Mentorship
- Work-Life Balance, Affordability
- Growing Division
- Freestanding Children's Hospital

Contact: 716-323-0028 | Scan QR code to learn more





# Johns Hopkins Eudowood Division of Pediatric Respiratory Sciences

## Fellowship in Pediatric Pulmonology



JOHNS HOPKINS  
CHILDREN'S CENTER

### Overview

- One of the best and most comprehensive fellowships in the nation
- A broad clinical, research and educational experiences for fellows, all of which are personalized
- Fellow-centered and supportive program responsive to feedback
- Graduates have launched successful careers at academic centers across the nation

### Clinical Training

Inpatient Training	Outpatient Training	Procedures	Electives
<ul style="list-style-type: none"> <li>• Coordinating inpatient service with housestaff</li> <li>• Managing the consult service (NICU, PICU, BPD consultations)</li> <li>• Overnight call from home</li> <li>• Service balanced over 3 years</li> </ul>	<ul style="list-style-type: none"> <li>• Averages 1-2 half days per week when not on service</li> </ul> <p>Clinics:</p> <ul style="list-style-type: none"> <li>• Fellow's clinic</li> <li>• Aerodigestive</li> <li>• Severe Asthma</li> <li>• Cystic Fibrosis</li> <li>• Bronchopulmonary Dysplasia</li> <li>• Neuromuscular</li> <li>• Sleep</li> </ul>	<p>Bronchoscopy</p> <ul style="list-style-type: none"> <li>• 75-100 cases during training</li> <li>• OR and ICU</li> <li>• Bronchoscopy Training Course</li> <li>• Simulated Bronchoscopy</li> </ul> <p>Study Interpretation</p> <ul style="list-style-type: none"> <li>• PFTs</li> <li>• Exercise Studies</li> <li>• Apnea Monitors</li> <li>• Sleep Studies</li> </ul>	<ul style="list-style-type: none"> <li>• Subacute Vent/NIPPV management</li> <li>• Immunology/ILD</li> <li>• Interventional Bronchoscopy</li> <li>• Pulmonary Hypertension Clinic</li> <li>• Adult Lung transplant</li> <li>• Advocacy</li> <li>• Tobacco Cessation</li> <li>• ENT</li> <li>• Global Health</li> </ul>



### Research

- Opportunities for research in basic science, clinical, translational, ethics, public health, global health, economics, etc.
- Fellows work on 1-2 projects throughout their fellowship with opportunities for publishing, presentations, grant writing, etc.
- Many of our fellows have not done research before, but we provide mentorship/resources
- Johns Hopkins School of Medicine
  - Top recipient of NIH funding
  - Dozens of core labs, animal facilities, interdisciplinary centers, etc.



### Recent Fellow Research Projects

Use of Digital Stethoscope in Diagnosis of Pneumonia in Low resource settings

Respiratory outcomes in neonatal lung disease and mono-allelic abca3 variants

Socio-economic determinants of health in asthma

Nutritional Outcomes in CF and SES

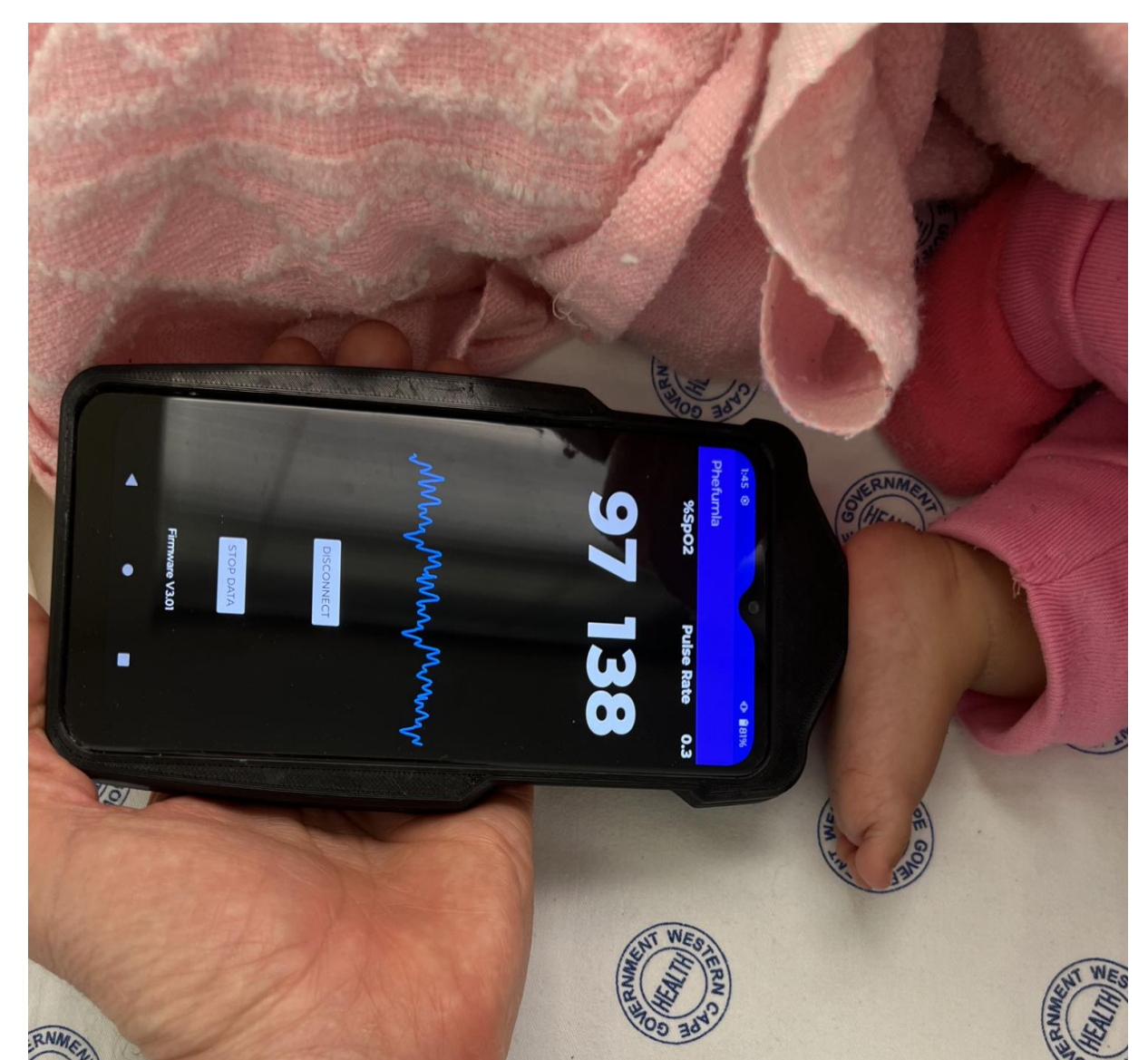
Tracheostomy Caregiver Decision-Making

Geospatial Mapping of Asthma Exposures

Long-Term Outcomes of BPD

Health Economics and Asthma

Toxic Metal Exposure from Electronic Cigarette Use



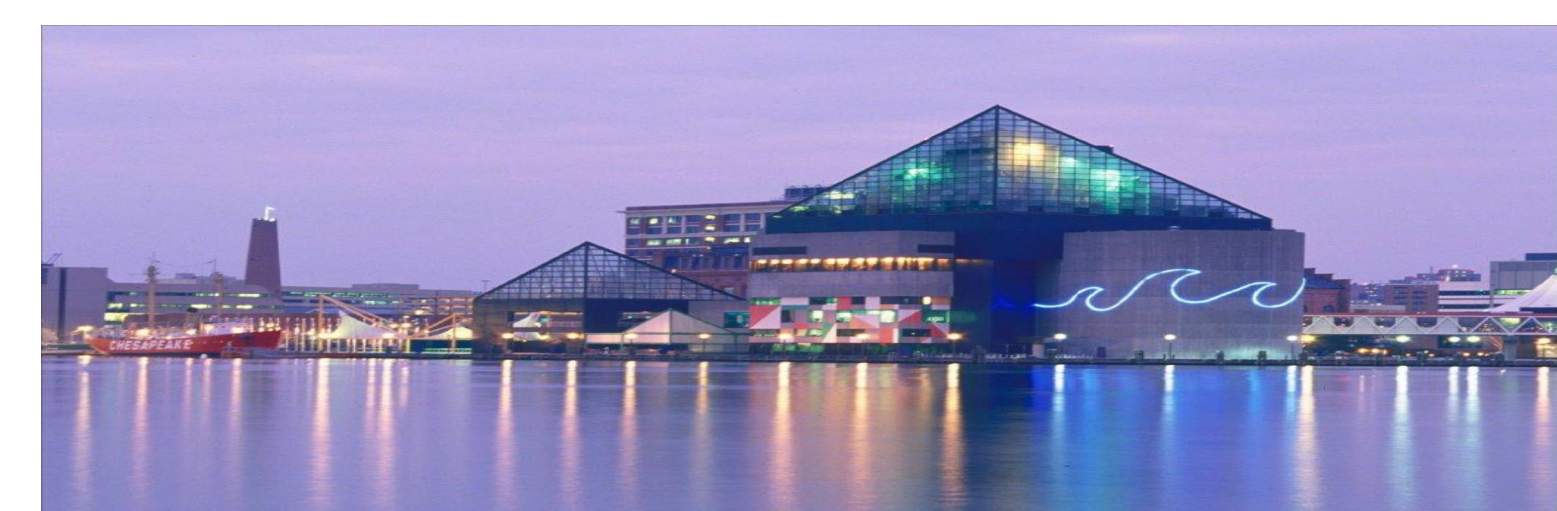
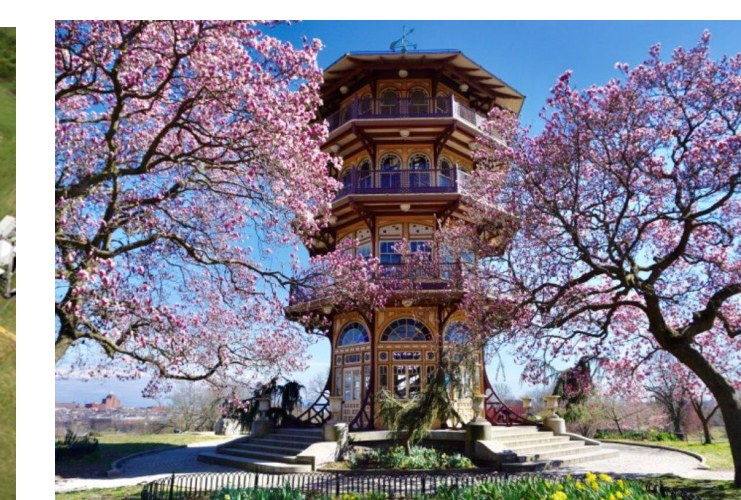
### Education

Division	Department of Pediatrics	School of Medicine	School of Public Health
<ul style="list-style-type: none"> <li>• Conference (weekly)</li> <li>• Board review (weekly)</li> <li>• Radiology rounds (8x/year)</li> <li>• PFT lectures</li> <li>• QI project</li> <li>• Career development</li> <li>• National conference (paid)</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly grand rounds</li> <li>• Weekly case conference</li> <li>• Biostat and Epi support (BEAD core)</li> <li>• Diversity and career development seminars</li> </ul>	<ul style="list-style-type: none"> <li>• Grant writing workshop</li> <li>• Research ethics workshops</li> <li>• Simulation center</li> <li>• Cystic fibrosis seminars</li> <li>• Adult pulmonary lectures</li> <li>• Welch medical library</li> </ul>	<ul style="list-style-type: none"> <li>• Biostats courses</li> <li>• Epidemiology courses</li> <li>• Optional MHS degree</li> <li>• Ranked 1<sup>st</sup> public health in the U.S. (USNWR 2024)</li> </ul>

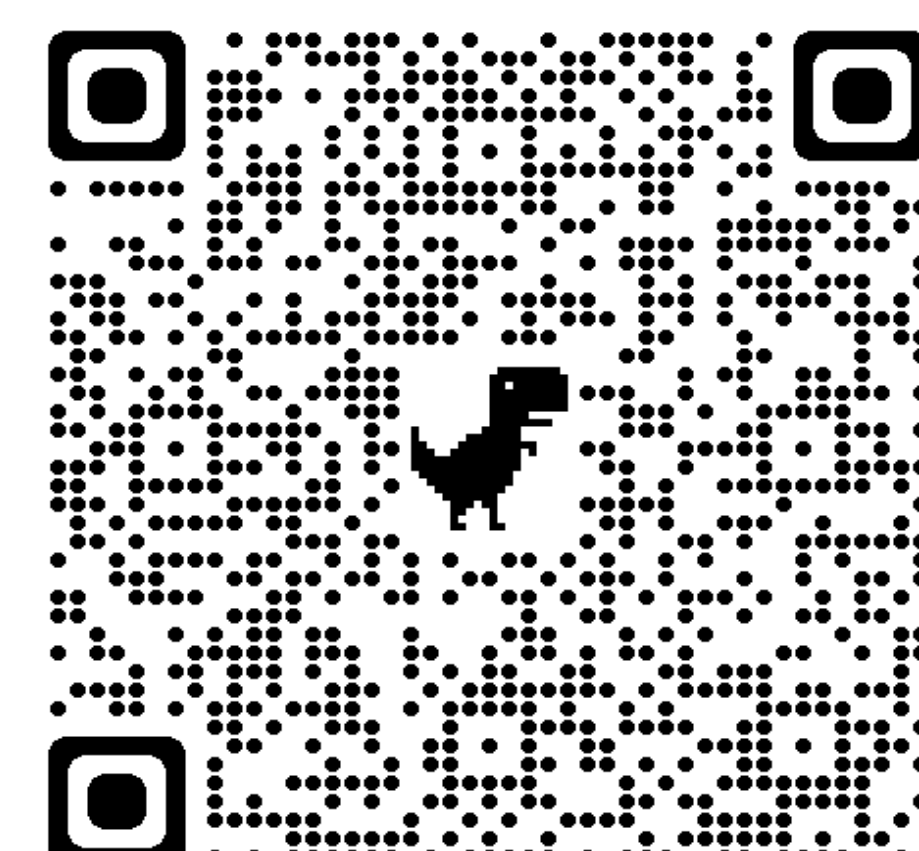


### Benefits and Life In Baltimore

Standard Benefits	Division	Institution
<ul style="list-style-type: none"> <li>• Healthcare (including dental/eye) for fellow and dependents</li> <li>• Life insurance</li> <li>• 403b retirement plan</li> <li>• NIH T32 child care benefit (\$2500 per year)</li> </ul>	<ul style="list-style-type: none"> <li>• Research mentors</li> <li>• Clinical mentors</li> <li>• "Safe" faculty contact outside the division</li> <li>• Sleep (fatigue) policy</li> <li>• Social events (lunches)</li> </ul>	<ul style="list-style-type: none"> <li>• Wellness events</li> <li>• DEI Council, events</li> <li>• Childcare voucher</li> <li>• Back-up child care (partial subsidy 10 days per year)</li> <li>• Lactation support</li> </ul>



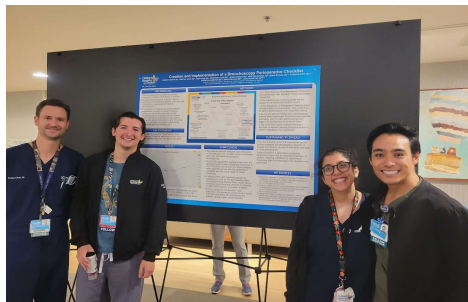
Our website:



# CHLA Pediatric Pulmonology Fellowship Program



- Provide compassionate and comprehensive care to children with social and medical complexity
- Develop long lasting relationships with your patients
- Breathe pulmonary physiology
- Advance the field through research, QI, medical education, ethics, and more
- Create a fabulous work family to last a lifetime



Contact: Roberta Kato, MD (Program Director) [rkato@chla.usc.edu](mailto:rkato@chla.usc.edu)



# Join Our Pediatric Pulmonary Fellowship

## You Belong Here

Our program is committed to excellence in training the next generation of pediatric pulmonologists to practice innovative, evidence-based medicine.

Our fellowship is an ACGME accredited 3-year academic and clinical medicine training program.

Our large catchment area ensures fellows gain comfort with full breadth of pulmonary care and exposure to medically complex patients from Utah and surrounding states.

## We Can Offer You

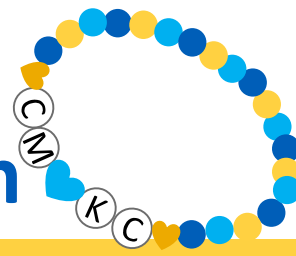
- A team 11 of pediatric pulmonologists & 6 APPs
- Comprehensive education curriculum
- Weekly case conferences, journal clubs, didactic lectures, invited speakers, grand rounds, and a board review series.
- Interdisciplinary learning via subspecialty fellow lecture series and joint conferences with adult pulmonology, allergy/immunology, neonatology, and pediatric gastroenterology.
- Continuity clinics in general pulmonology and participation in subspecialty clinics.
- 1st year devoted to clinical training; 2nd & 3rd years devoted to clinical and/or lab research.
- Collegial environment that prioritizes education and wellness. Fellows are truly viewed and respected as junior faculty members and supported in the pursuit of their passions in pediatric Pulmonology.

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## Interested in learning more?

Email our Pediatric Pulmonology Fellowship Director, Dr. Kristen Ameal at [Kristen.Ameal@hsc.utah.edu](mailto:Kristen.Ameal@hsc.utah.edu)

# Children's Mercy Kansas City Pediatric Pulmonology Fellowship Program



*In our Kansas City era!*

## A GREAT FELLOWSHIP...



- Learn from 12 pulm/sleep faculty
- Individualized curriculum for each fellow
- Multidisciplinary opportunities: CF, PCD, severe asthma, chronic ventilation, aerodigestive, sickle cell, pulmonary hypertension, complex airway, neuromuscular
- FUN! Fellowship "Rounds", JC, BBQs, etc

## ...IN A GREAT HOSPITAL...



- Largest children's hospital in the region – 390 beds with over 14,000 admits in '23
- 40+ fellowship programs, opportunities for social and academic growth!
- Fellows' salary \$80,900- 89,200
- Generous benefits package
- Ample research opportunities
- World leader in genomic medicine (GA4K)

## ...IN A GREAT CITY!



*Faculty and Fellows at Build-Your-Own Pizza Night!*

- Population 2.39 million (29<sup>th</sup> in US)
- Affordable (11.6% lower than US average)
- Trees! Fountains! BBQ Capital of World!
- More boulevards than Paris, France
- Tons of culture: Nelson Atkins Art Museum, Kauffman Performing Arts Center
- Active sporting event scene: Chiefs, Royals, Current/Sporting   



*Pulmonary fellows Dr. Grant Hamill, Dr. Brandon Blount, with their nurse Kaylyne Blackwell, RN, BSN, CPN at our annual fellows' BBQ.*



*CM Cystic Fibrosis team at NACFC, receiving QI award*





## ...our people



**Sophia Williams, MD**  
Program Director



**Ginger Reeves**  
Program Coordinator  
[greeves@phoenixchildrens.com](mailto:greeves@phoenixchildrens.com)



**Leyden Lozada, MD**  
Associate Program Director



**Rajeev Bhatia, MD**  
Division Chief

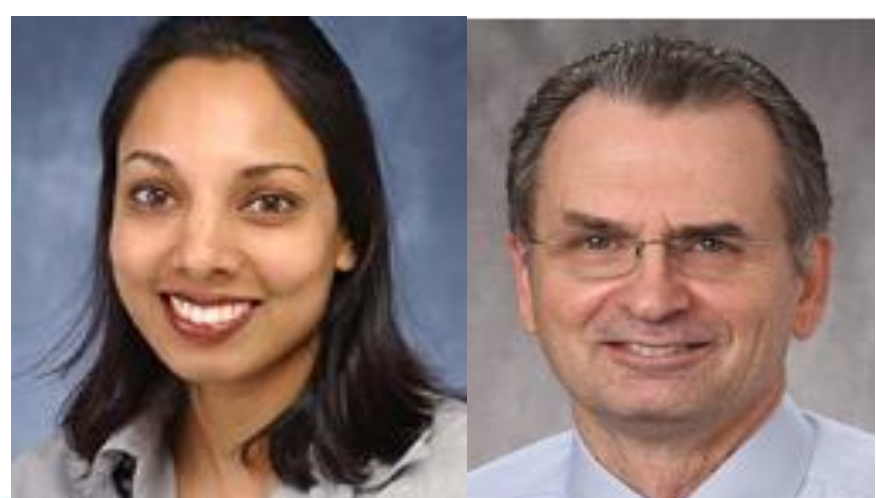


**Shoshana Howarth, DO**  
Fellow



**Sabina Naz, MD**  
Fellow

- 10 faculty members, including:
  - 1 PICU/Pulmonary Physician
  - 2 Sleep-Medicine Physicians
- Robust ancillary team
- Main hospital - 533 beds



## ...our program 'clinically rich, education & fellow-training focused'



### Clinically:

- Primarily consultant service during inpatient rotations
- Multidisciplinary NICU/BPD rounds
- Weekly fellow continuity clinics
- CardioPulmonary exercise suite
- Pulmonary function & sleep labs
- Bronchoscopy suite & sim lab

### Outpatient subspecialty clinics:

Sleep Medicine, AeroDigestive, BPD, Cystic Fibrosis, Neuromuscular, BMT, Sickle Cell, Fontan, Pulmonary Hypertension, Coccidioidomycosis, Tracheostomy & Ventilator Dependence, Congenital Diaphragmatic Hernia, Severe Asthma & Mobile Asthma unit....

### Scholarly:

- Quality Improvement & research opportunities
- Career planning & mentorship
- Robust clinical & research didactic schedule including board review, journal clubs & case presentations

### Benefits:

- Health, dental & vision
- Free parking
- \$350 monthly meal cards
- Funds for CME
- University of Arizona academic appointment
- Reimbursement for exams & professional memberships



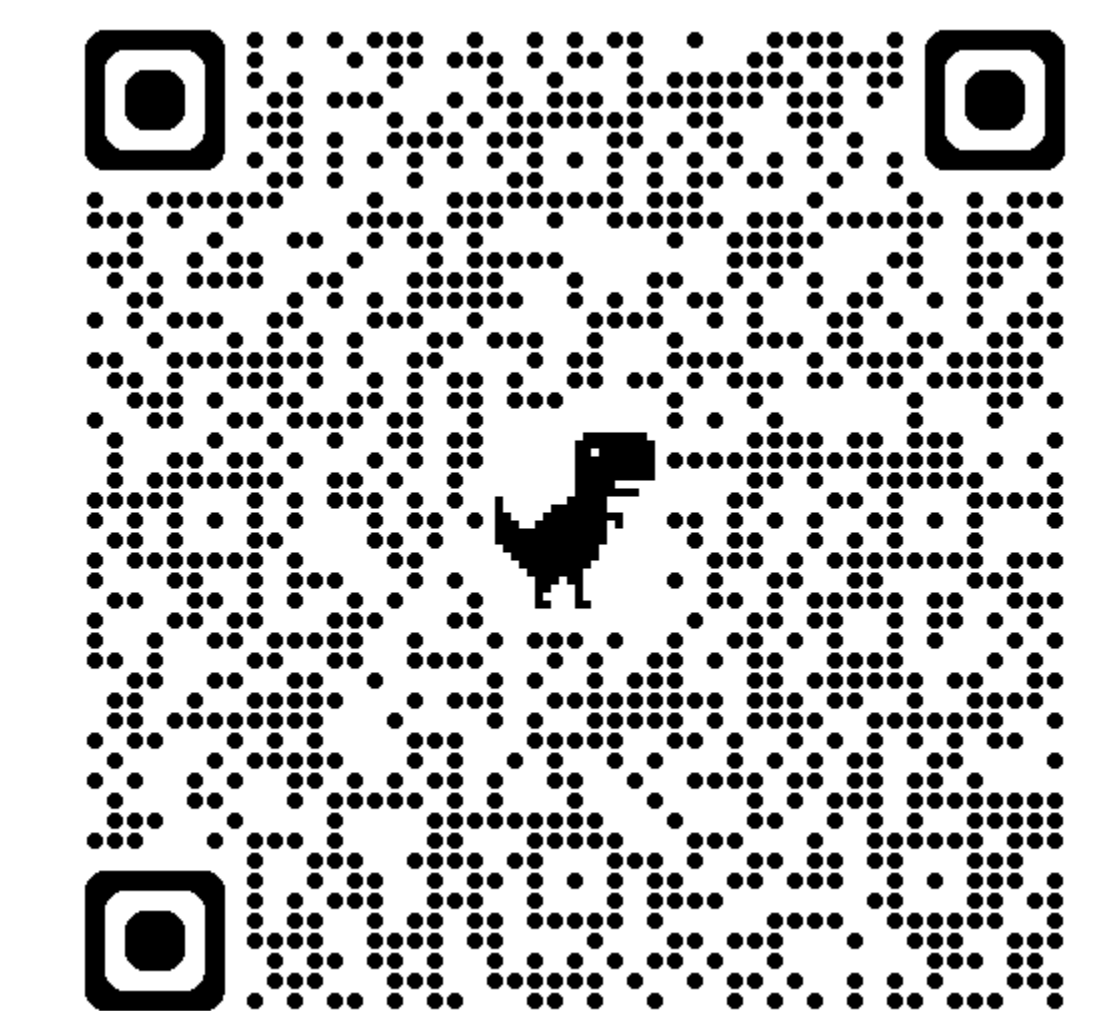
	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year
	2 weeks orientation		4 weeks elective
Inpatient	14 weeks	8 weeks	4 weeks
Outpatient	16 weeks	16 weeks	16 weeks
Research	16 weeks	24 weeks	24 weeks



## ...our culture (Phoenix, AZ)

- Over 300 days of sunshine
- Outdoor activities including hiking
- Affordable living
- Ethnically diverse community
- Vibrant restaurant, sports & bar scene
- Driving access to:
  - Sedona, Flagstaff, Tucson, Los Angeles, San Diego, Rocky Point - Mexico & Las Vegas
- Near Sky Harbor International Airport

### Learn more on our website:



<https://phoenixchildrens.org/healthcare-professionals/medical-education/graduate-medical-education/fellowship-programs/pediatric-pulmonology-fellowship>

# Pediatric Pulmonology Fellowship

## Maria Fareri Children's Hospital at Westchester Medical Center

- Largest Peds Pulm Division in region
  - 17 Pediatric Pulmonologists
  - 5 Allergists
  - 4 Peds Pulmonary Fellows
- Large **Cystic Fibrosis** Center
- Accredited **PCD** Center
- **Severe Asthma** Center
- Multidisciplinary **BPD** Clinic
  - Member of BPD Collaborative
- Multidisciplinary Peds **Technology Dependent** Clinic
- Integrated **Allergy/Immunology & Sleep Medicine**
- Exclusive support staff – RTs, SWs, RDs, RNs in the Division
- Graduates working across US
- **Maria Fareri Children's Hospital**
  - Only quaternary referral children's hospital in the lower Hudson Valley
  - Interventional Bronchoscopy Elective**
- Rotations at Children's Rehabilitation Center
- **New York Medical College**
  - Collaborative Research:
    - Basic science, clinical, translational, quality improvement, public health
- **Children's Environmental Health Center of the Hudson Valley**
- Opportunity to work towards **Masters in Public Health** during fellowship



### Location:

- Beautiful wooded campus in Westchester, NY
- 25 miles from New York City



Scan to  
learn more

## Learn and Practice at Arkansas Children's



### Comprehensive Clinical Services:

- Only Children's Hospital in the State of Arkansas
- Largest pulmonary and sleep faculty in the region
- Inpatient consult and admitting services
- Dedicated NICU consult service
- Specialized chronic ventilator service
- Advanced bronchoscopy services
- **NEW!** Interventional bronchoscopy program in development

### Multidisciplinary Specialty Clinics for:

Aerodigestive disorders      Craniofacial disorders  
Complex Care Center      Sickle Cell Disease  
Bronchopulmonary dysplasia      Severe Asthma  
Pulmonary hypertension  
Pulmonary complications of congenital heart disease  
Neuromuscular and muscular dystrophy

**Interdisciplinary Collaboration:** Allergy/immunology, critical care, genetics, surgery, infectious diseases, pharmacology, neonatology, biostatistics, nutrition, neurosurgery, among others

### U.S. News and World

Report #27

Ranked 10 years in a row!



### Robust Academic Curriculum:

Core Didactic Sessions      Board Review  
Journal Clubs      ACGME Core Curriculum  
Division Case Conferences  
Simulation-based Learning  
Pulmonary-Radiology Conferences  
Regional Case Conferences (ATS)

### Fellow Scholarly Advancement Program Tracks:

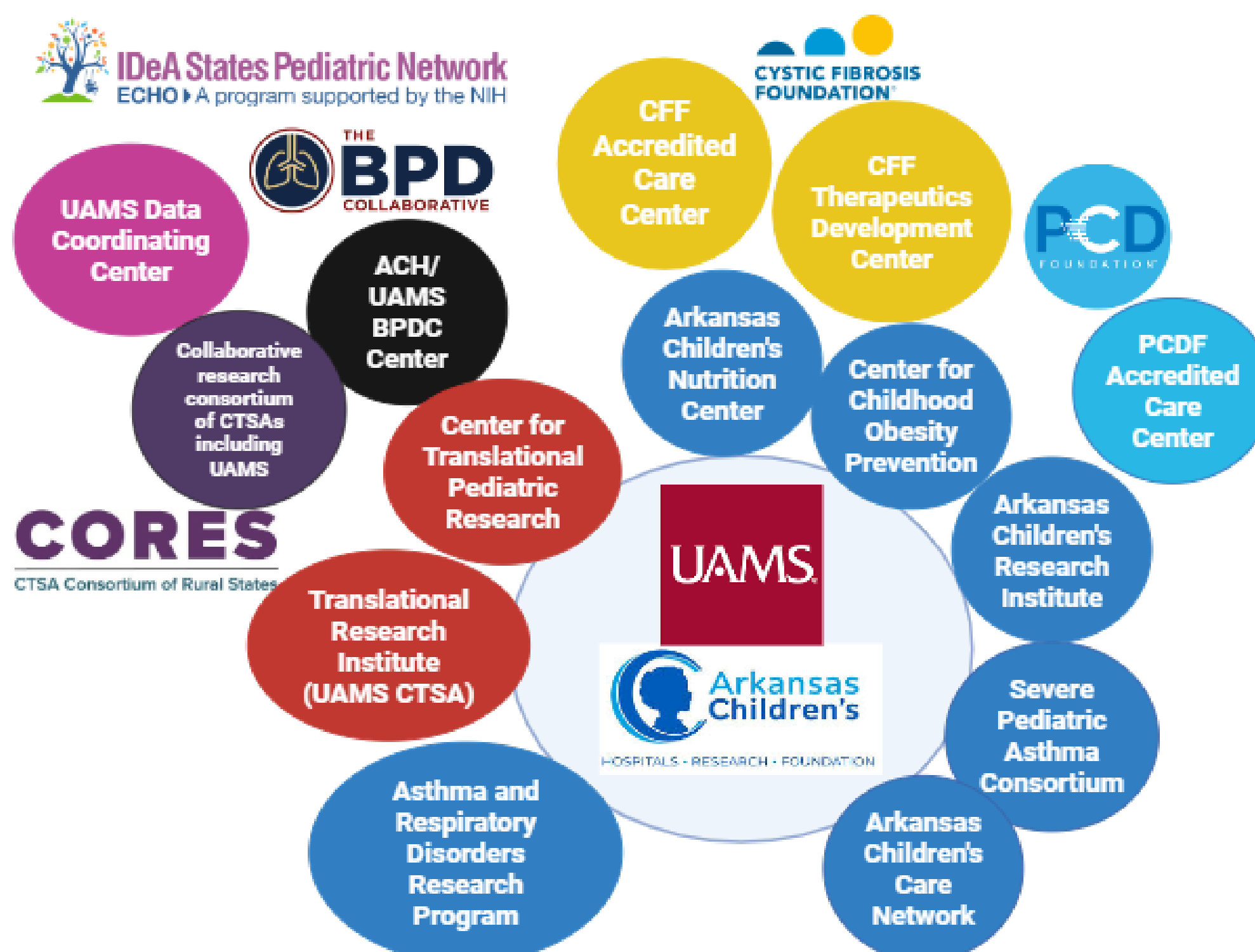
Quality improvement      Informatics  
Health Disparities      Education  
Simulation-based Research      Clinical research  
Basic and translational research

## Empowering Innovation in Pediatric Pulmonology

### Structured Mentorship:

- Personalized guidance to develop research questions, design studies, and analyze data
- Collaboration with 14 expert faculty in pulmonary and sleep medicine
- Diverse research opportunities within Section and Department
- Access to robust funding and resources for projects
- Expertise in quality improvement training
- Dedicated biostatistical and data management support

### Clinical and Research Collaboration Networks



### National Presentation and Publication Opportunities:

- Fellows present at ATS and NACFC,
- Average of 7 posters/presentations per fellow per training period
- Average of 2 peer-reviewed publications per fellow by graduation
- Fellow and faculty publications in prestigious journals
- Faculty roles as Editors and Editorial Board members\*
- Funding available for education and travel



American Journal of Respiratory and Critical Care Medicine	Pediatric Pulmonology*
Pediatrics	Journal of Pediatrics
Journal of Cystic Fibrosis	Respiratory Care*
Bioengineering	Journal of Physiology
Annals of the ATS*	Journal of Perinatology
Pediatric Research	Sleep
Clinical and Translational Science	Pharmacotherapy

## Career Development

### Career Pathway Planning:

- Tailored planning aligned with academic, clinical, or research career goals
- Elective opportunities to support individual career interests
- Opportunities to develop teaching skills through resident and medical student education
- Exposure to multiple research areas early in training to define a personalized niche of expertise

**Alumni Success:** Alumni placed in prestigious institutions and successful practices nationwide



## Core Components of Fellowship

**Inpatient Pulmonary Services:** A well-defined pathway for pulmonary subspecialty inpatient care.

- Chronic ventilator experience including home care and transition planning
- Complex disease management including CF, PCD, severe asthma, and others

### Consultation Services:

- ACH wide consultative services
- Bronchoscopy and PFT evaluation
- Evaluation of hospitalized children needing pulmonary expertise across all departments

**Pulmonary Function Testing:** Routine spirometry, plethysmography, diffusion capacity, multiple breath washout, exercise testing, nasal NO, FeNO, sweat test, oscillometry.

### Bronchoscopy and Procedures:

- All fellows attend Cincinnati Children's bronchoscopy course in their first year
- Opportunity for interventional bronchoscopy rotation and conference attendance

## Start Your Journey with Us

Contact us to be part of a program that shapes leaders in pediatric respiratory medicine!

Coordinator: Lauren Rogers ([lrogers3@uams.edu](mailto:lrogers3@uams.edu))

Directors: Erhan Ararat ([eararat@uams.edu](mailto:eararat@uams.edu))

Zena Ghazala ([zghazala@uams.edu](mailto:zghazala@uams.edu))



LEARN  
MORE



# Children's Hospital of Richmond at VCU Pediatric Pulmonology and Sleep Medicine Fellowship Program



## About CHoR

- Free-standing children's hospital associated with VCU Health
- Opened in 2023
- Level 1 trauma center
- 191 beds and growing!
  - Multiple shell floors
- Inner city/urban setting
- 53 specialties
- Ranked for 8 specialties in US News and World Report 2025/2026
- 15 pediatric subspecialty fellowships
- Residency programs
  - Pediatrics
  - Med-peds
  - Child neurology



Judy Vovnow, MD  
Professor  
Interim Chief  
Fellowship Director



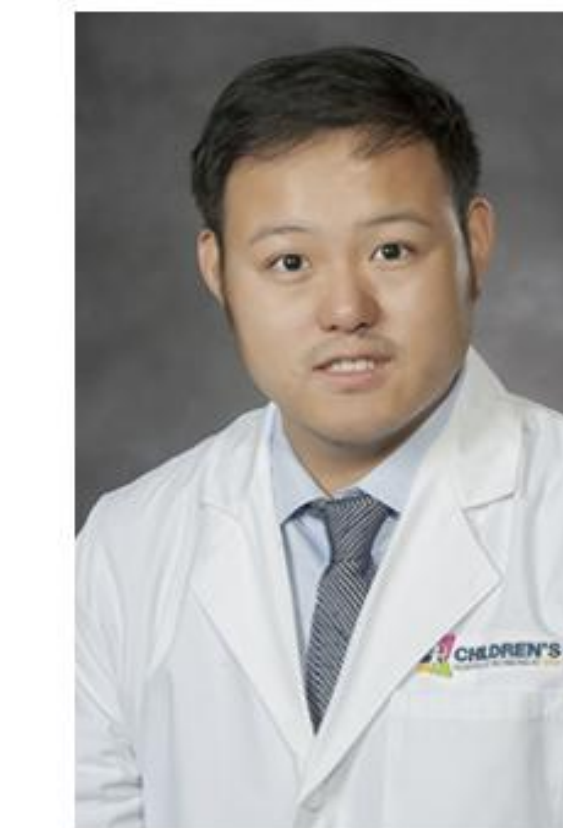
Drew Barber, MD  
Assistant Professor  
Associate Director, Pediatric CF Center  
Associate Fellowship Director



Pearl Yu, MD  
Professor  
Director, Pediatric Sleep Center  
Medical Director, Pediatric Pulmonology



Michael Schechter, MD  
Professor  
Director, VCU CF Center  
Director, UCAN Asthma Program



Jonathan Ma, MD  
Assistant Professor



Aditi Pant, MD  
Assistant Professor



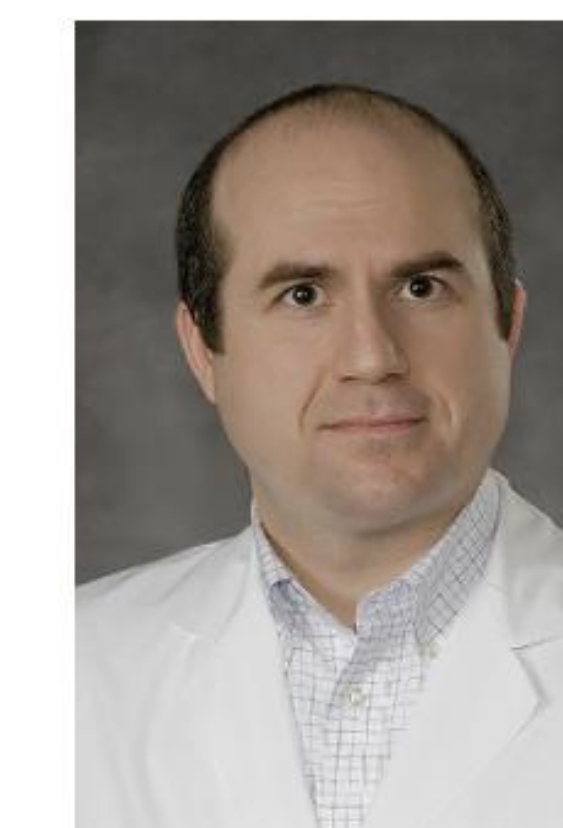
Maya Ramagopal, MD  
Professor



Yutika Mandal, MD  
Assistant Professor



Margaret Wardlaw, MD  
Assistant Professor  
Pediatric Sleep Medicine



Ron Williams, MD  
Assistant Professor

## Fellowship program

- Individual mentorship
  - Basic science research (neutrophil elastase, macrophage release of extracellular traps)
  - Asthma and CF epidemiology
  - Asthma and CF quality improvement
- Rotations in peds sleep lab and clinic
- Flexible schedule
- Weekly didactics and journal club
- Educational opportunities
  - Teaching in Medical Education course
- Option to pursue 1-year sleep fellowship
- Option to pursue MPH

## Research Opportunities

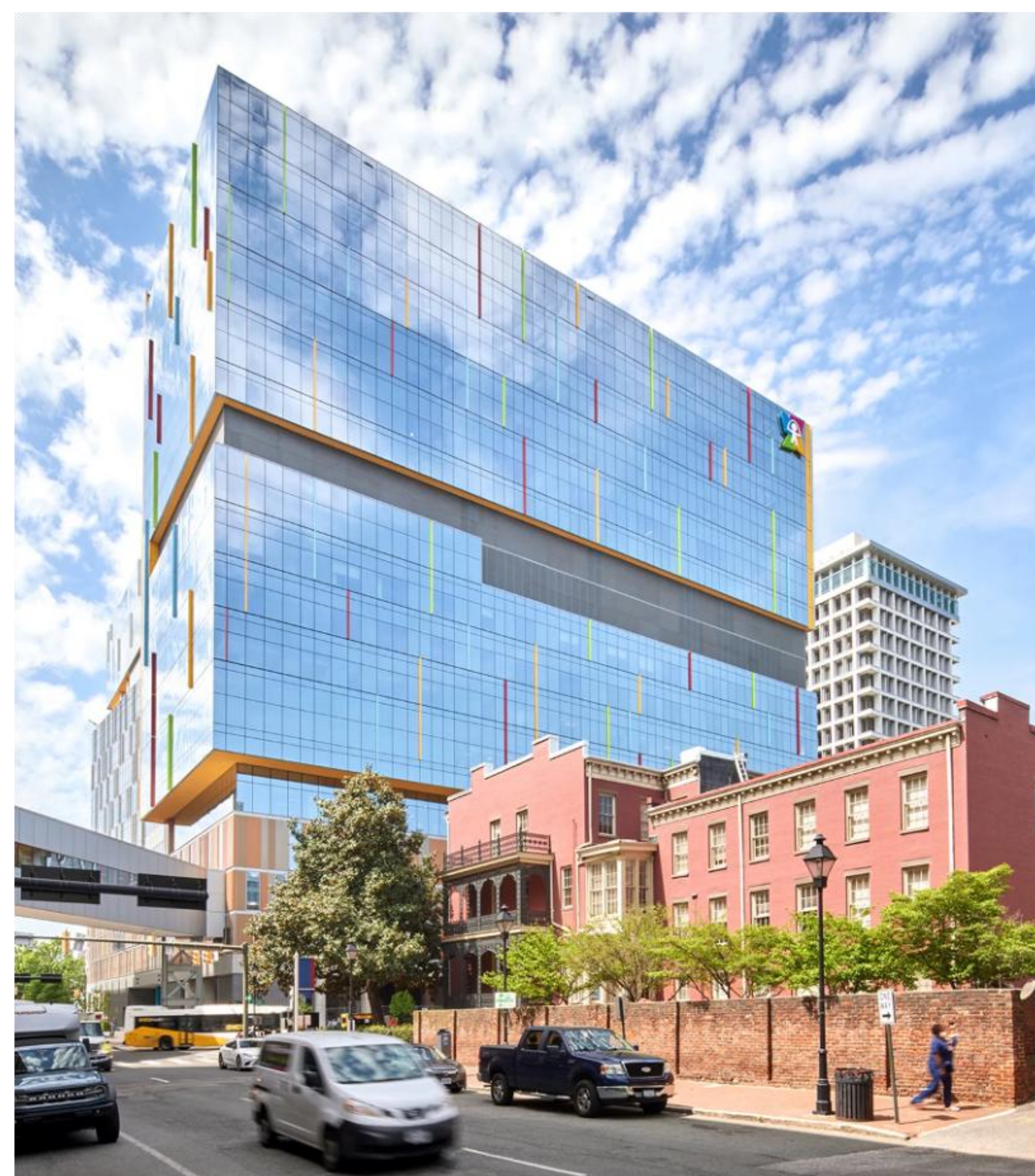
- VCU Wright Center for Clinical and Translational Research
- Children's Health Research Institute
- Fellow-specific internal grants offered

## About Our Division

- CF Center
  - Member of CF TDN (Therapeutics and Diagnostics Network)
  - Member of CFLN (CF Learning Network)
- Trach/vent program
- Sleep program
- Aerodigestive program
- Neuromuscular program
- Sickle Cell program
- Flexible bronchoscopy

## Richmond, VA

- Medium-sized city in central Virginia
- River city (James River) with plenty of outdoor activities
- Only US city with class IV whitewater rapids running through it
- Vibrant arts, culinary, and beverage scene
- Affordable!
- Nearby mountains (1.5 hours), beach (2 hours), and Washington DC (2.5 hours)



# Duke Pediatric Pulmonary Fellowship

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Department of Pediatrics, Division of Pulmonary & Sleep Medicine



## Duke University Medical Center

- Duke University Hospital is #1 in North Carolina
- Duke University Hospital is a tertiary and quaternary care hospital
- Multi-disciplinary, interprofessional clinical care and research



## The Triangle (Durham-Chapel Hill-Raleigh)

- Safe, family-friendly communities
- Diverse, vibrant population
- Collegiate and professional sports
- Thriving arts and theater culture
- Exceptional dining/restaurant options
- Abundant outdoor activities (hiking, biking, kayaking)
- Easy access to both beaches and mountains
- Convenient travel via Raleigh-Durham International Airport (RDU)



## Duke University Pediatric Pulmonary

- Diverse faculty bring a wide range of training experiences, enhancing teaching and clinical insight
- program size promotes close relationships, mentorship, and a supportive learning environment



Mai ElMallah, MD Jason Lang, MD, MPH Shatha Yousef, MD Nour Akil, MD Tarig Ali Dinar, MD



Aaida Samad, MD Maran Hernandez Rodriguez, MD, MPH Sue Meghdadpour, PhD, FNP-C

## Education

- Weekly didactics on high yield pulmonary topics (given by pulmonologists within the division, guest speakers from other divisions and other institutions)
- Weekly Division Case Discussions
- Monthly Radiology conference
- Journal club (Duke and Duke-UNC)
- Adult interventional bronchoscopy fellowship at Duke allows for exposure to interventional bronchoscopy if interested.
- ATS and NACFC conferences
- Electives tailored to fellow's interests
- QI education resources
- Monthly pediatric chair conference
- Weekly pediatric grand rounds



## Research opportunities

- No prior research experience required — strong mentorship ensures success and productivity
- Dedicated first-year research rotations provide exposure to multiple pathways, allowing fellows to tailor their interests

### **Areas of Opportunity:**

#### **Clinical Research**

- Duke is consistently ranked among the top institutions nationally in NIH funding
- Faculty lead NIH-funded work in asthma, community health, and obesity-related lung disease

#### **Basic & Translational Research**

- Robust opportunities within the division, department, and across Duke University

#### **Quality Improvement & Outcomes Research**

- Extensive QI initiatives and mentorship available across Duke Health and the School of Medicine

## Outpatient Experience

- Weekly Fellow's Clinic
- General Pulmonary Clinic
- CF Clinic
- Neuromuscular Clinic
- High Risk Asthma clinic
- Sleep Clinic
- Pulmonary Hypertension Clinic
- Fontan clinic
- Sickle Cell Clinic



## Inpatient Experience

- Primary CF Service
- Consulting Service in Multiple Units:
  - PICU
  - Stepdown unit
  - PCICU (CVICU)
  - NICU
  - Transplant service
  - General pediatrics ward



## Procedural Experience

- Outpatient and inpatient bronchoscopies
- Procedure suite, OR, bedside (in PICU, PCICU, NICU)
- Diagnostic flexible bronchoscopies +/- broncho-alveolar lavage +/- ciliary brush biopsy
- Combined airways evaluation with ENT and GI
- Cryotherapy