

## Le Bonheur opens Primary Ciliary Dyskinesia clinic

Le Bonheur's Pediatric Pulmonology division opened a new Primary Ciliary Dyskinesia (PCD) clinic in October. Led by Pediatric Pulmonologist Catherine



Donnellan Sanders, MD, the clinic will help children with PCD understand and manage their condition.

During clinic, patients undergo

genetic testing, a biopsy of the nose and airways and a nasal nitric oxide test to measure the amount of nitric oxide the patient is producing. Le Bonheur is one of the few children's hospitals to offer a nasal nitric oxide test.

"Because PCD is hard to diagnose, it takes a lot of effort of going through the various tests that help contribute to the diagnosis. It's an under-diagnosed condition," Sanders said. "Right now there are only a handful of places in the country that's able to do a full spectrum of tests for PCD. Having a place nearby will help distinguish PCD from other illnesses."

## PULMONOLOGY TEAM CONTINUES RESEARCH

Le Bonheur's Pulmonology team contributed to several research papers and publications in 2016. They include:

- Published information on personalized medicine in cystic fibrosis and genistein supplementation as a treatment option for patients with a rare S1045Y-CFTR mutation.
- Published a study that helped define predictive markers for individuals with cystic fibrosis.
- James Tutor, MD, authored two chapters in the book "Dysphagia: Diagnosis and Treatment in Children and Adults."
- Participated in a pilot project on exhaled gas collection in cystic fibrosis exacerbations.
- Saumini Srinivasan, MD, and Dennis Stokes, MD, co-authored a study originating from St. Jude Children's Research Hospital on the relationship between treatment-related impairment of pulmonology function in adult survivors of childhood cancer.
- Stephania Cormier, PhD, co-authored a study showing gestational exposure to combustion-derived particulate matter can lower energy expenditure at least in part through alterations to mitochondrial metabolism. The study, published in the *American Journal of Physiology, Endocrinology and Metabolism*, found that pregnant mice exposed to particulate pollution had larger pups – who stayed large throughout life – than pups born to mothers who weren't exposed to pollutants.



Le Bonheur Children's Pulmonology division was accepted to the American Thoracic Society's Function Laboratory Registry. Hospitals included on the registry display the highest technical and operating standards on pulmonary function testing.

## Dubin recruited as Pulmonology chief

Patricia Dubin, MD, joined Le Bonheur Children's as chief of Pediatric Pulmonology and Sleep Medicine. Dubin comes to Memphis from West Virginia University School of Medicine, where she was chief of Pediatric Pulmonology and Sleep Medicine and director of the Mountain State Cystic Fibrosis Center.



She completed her medical school training at the University of Rochester School of Medicine and Dentistry, pediatric residency at Yale New Haven Children's Hospital and pediatric pulmonology fellowship at the Children's Hospital of Pittsburgh.

For more information on these stories and more, visit [www.lebonheur.org/physicians](http://www.lebonheur.org/physicians).

For emergent needs, call Le Bonheur's Transfer Center at 901-287-4408 or 888-899-9355. For appointments or non-critical referrals, call Le Bonheur Connect at 901-287-7337 or 1-866-870-5570.

Pediatric Pulmonology is a publication  
of Le Bonheur Children's Hospital.

Patricia J. Dubin, MD, Chief

Tonia Gardner, MD, MS

Brent Haberman, MD

Atia Jordan, MD

Catherine Sanders, MD

Robert Schoumacher, MD

Saumini Srinivasan, MD, MS

Dennis Stokes, MD, MPH

James Tutor, MD

Sharon Hogue, PNP

Terry Knight, DNP, APRN, CNS-BC

Jamila Smith-Young, MSN, MPH, PNP



## Le Bonheur Children's Hospital

848 Adams Avenue

Memphis, Tennessee 38103

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## About Le Bonheur Children's Hospital

- 255-bed free-standing children's hospital in Memphis, Tenn.
- Named a best children's hospital by *U.S. News & World Report* for six consecutive years
- Designated Level 1 pediatric trauma center by the American College of Surgeons
- Pediatric partner of the University of Tennessee Health Science Center and St. Jude Children's Research Hospital
- 24-suite FedExFamilyHouse provides housing for families who travel long distances to Memphis



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