Stanford MEDICINE Children's Health

Lucile Packard Foundation

Cystic Fibrosis Center

Revolutionizing Care for Kids With Cystic Fibrosis

Children with cystic fibrosis (CF) need ongoing care for a range of serious health issues that can lead to life-threatening complications. Through innovative research, Stanford is dedicated to solving the most pressing problems that CF patients and their families face to help them lead their fullest lives.

Addressing the Most Urgent Needs

The Stanford School of Medicine is working on multiple projects to address the urgent needs of the entire CF community. Lung problems are the most serious complications for kids with CF. Our pediatric team's efforts to identify the best ways to control infections and detect lung disease earlier hold promise for all patients with CF. We're also at the forefront of investigating CF treatment in utero.

Stanford's unique focus on restoring mucus clearance to improve lung function and decrease lung damage has the potential to make a tremendous impact on patients who don't respond to modulator therapy.

Our program is designated as a Therapeutics Development Center by the Cystic Fibrosis Foundation, recognizing us as a research hub for innovation in CF care. We collaborate with Stanford experts across multiple disciplines, including bioengineering, molecular biology, and cutting-edge gene therapy.

Our goal is to unlock the mysteries of this complex disease and drastically improve treatment options, leading to a better quality of life for all kids with CF. With your help, we can achieve this.

NEARLY
40,000
kids and adults in the U.S. have cystic fibrosis.

10 million
people in the U.S. are CF carriers.

People of color
are more likely to have CF mutations that don't respond to modulators.

Children like Doris and David, siblings with cystic fibrosis, benefit from care at Packard Children's Hospital and research conducted at the Stanford School of Medicine.

Opportunity for Impact

Philanthropy is vital to advancing early diagnosis and treatments and building a brighter future for children with CF. Your gifts can help us:

Propel groundbreaking research. Philanthropy is essential to jump-starting early-stage research, which often doesn't attract grants or industry investment. We are highly focused on identifying and accelerating new therapies for patients. Support will expand our developments on mucus clearance, sustain investigations into infection control, and build on cell biology studies to better understand the CF gene.

Train the next generation of researchers. With philanthropic support, we can increase the size of our team, speed up discoveries, and bring more innovative therapies to patients in clinical trials. Gifts will hasten and expand our patient-centered research by helping us attract and retain early-career scientists with expertise in CF.

Enhance patient care through state-of-the-art tech. Your support will enable us to purchase technologies and equipment to address the evolving needs of our pediatric patients. Using the most sophisticated equipment available, we can elevate how we assess, monitor, and treat patients, further improving their quality of life.

We need your help to fuel our trailblazing work and create the best lives possible for all kids with cystic fibrosis.

For more information on how you can make an impact, please contact:

Please contact: Dominique Ta
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Researchers Leading the Way

Carlos Milla, MD, is the director of the Stanford Medicine Children's Health Cystic Fibrosis Center. Since 2009, under his leadership, the center has become a hub for research and care, leveraging expertise across Stanford. Dr. Milla's latest studies focus on improving lung function and controlling infections in CF patients.

Matthew Porteus, MD, PhD, is the *Sutardja Chuk Professor* and director of Stanford's Center for Definitive and Curative Medicine, where researchers are working to cure currently incurable diseases. He is a leader in the field of genome editing and winner of the Cystic Fibrosis Research Institute's CF Champion Award. Dr. Porteus and his team are conducting pioneering research in stem cell therapy to treat chronic sinusitis from CF.

Ron Kopito, PhD, is a cell biologist whose interest in cystic fibrosis reaches all the way back to high school. In collaboration with the Milla and Porteus labs, Dr. Kopito's team uses advanced approaches in molecular biology to identify potential drug targets for new therapies for patients with mutations who don't respond to current treatment.