

LUNG INSTITUTE

2024

Baylor
College of
Medicine

LUNG
INSTITUTE

DIRECTORY OF SERVICES

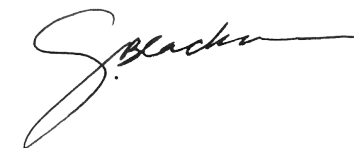
A	Airway Disease Program	R	Post-COVID Care Clinic
	Upper Airway		Pulmonary Hypertension & CTEPH
	Tracheal Disorders		Pulmonary Rehabilitation
	Asthma		Robotic Cardiothoracic Surgery Center
	COPD		Sleep Medicine Center
	Airway, Voice & Swallowing Center		Systems Onco-Immunology Laboratory (SOIL)
	Laryngoglotic Dysfunction Clinic		Biorepository
	Dysphagia & Swallowing		Smoking Cessation Clinics
	Subglottic Stenosis		Translational Thoracic Oncology Research La
	Allergy & Immunology		Thoracic & Lung Cancer Program
C	Airways Clinical Research Center (ACRC)	T	Multidisciplinary Care Teams
	Advanced Lung Disease		Medical Oncology
	Interstitial Lung Disease		Pathology
	Pulmonary Fibrosis		Radiation Oncology
	Sarcoidosis		Radiology
	Advanced Lung Support Program		Thoracic Surgery
	ECMO		Interventional Pulmonary Medicine
	Critical Care, ARDS		Tracheobronchoplasty Clinic
	Aspiration, Reflux & Foregut		Trauma-Associated Lung Injury Team
	Bronchiectasis		Undiagnosed Disease Network (UDN)
L	Cystic Fibrosis Center	P	
	Non-CF Bronchiectasis Program		
	NTM Program		
	Chest Wall Resection + Recon Clinic		
	Congenital Lung Disease Clinic		
	Concierge Clinic		
	General Evaluation Clinic		
	(cough & unexplained dyspnea)		
	Human Genome Sequencing Center		
	Genetics		
P	Genomics		
	Interstitial Lung Disease Research		
	Interventional Pulmonary Service		
	Lung Nodule Clinic		
	Lung Imaging & Ablation		
	Interventional Pulmonary Team		
	Interventional Radiology Team		
	Thoracic Surgery Team		
	Lung Cancer Screening Programs		
	Lung Transplant Program		
P	Palliative Care Program		
	Pediatric Lung & Pulmonology		
	(Texas Children's Hospital)		
	Pleural Disease Program		
	Endometriosis		
P	Mesothelioma Treatment Center		
	Benign Pleural Disease		

DIRECTOR'S MESSAGE

The Lung Institute provides comprehensive diagnostics and treatments to patients with illnesses that affect the lungs and breathing, including lung cancer, chronic obstructive pulmonary disease, cystic fibrosis, asthma, interstitial lung disease, bronchiectasis, benign and malignant neoplasms and lung transplantation.

The Lung Institute has developed a comprehensive program across specialties for virtually all aspects of ambulatory pulmonary patient care, including a full pulmonary function testing lab, complete radiology services, echocardiography, laboratory and nuclear medicine services.

Our physicians and surgeons are national and international experts in lung disease. Together, they offer comprehensive services, including highly specialized care to patients



Shanda Haley Blackmon, M.D., M.P.H.
Professor of Surgery
Olga Keith Wiess Chair of Surgery III
Director, The Lung Institute
Baylor College of Medicine



Our Promise

Patients are at the heart of everything we do.

To us, this means delivering individualized cutting-edge diagnosis and treatment in a compassionate manner to everyone and our patients have access to the latest advances in medicine thanks to close collaborations between our physicians and scientists.

The Lung Institute team is committed to delivering excellent and highly specialized patient care by using the latest technology and research to diagnose and effectively treat patients with complex lung disease. Through innovation, research and excellence in clinical care, we offer patients unique access to new diagnostic and therapeutic modalities. Our specialized team is dedicated to our patient's health both in the hospital setting and in clinic. This individual approach provides our patients with the security of knowing they are receiving treatment that is advanced, minimally invasive, with the proper follow-up care.

At the Lung Institute we aim to advance lung knowledge, discovery, intervention and education to best serve the nation and the world in the 21st century. We provide the Baylor College of Medicine community with advice, tools and resources to facilitate excellence in lung health.

As experts in lung health, we aspire to provide exceptional service to Baylor College of Medicine's patients, schools, centers, affiliated hospitals & clinics, research programs, affiliated industry partners and learners that enable BCM to pursue extraordinary opportunities and achieve their patient care, research, teaching, innovation and learning goals.

THE LUNG INSTITUTE

(713) 798-5864

The goal of the Lung Institute is to advance lung knowledge, discovery, intervention and education to best serve the nation and the world in the 21st century. We provide the Baylor College of Medicine community with advice, tools and resources to facilitate excellence in lung health. The Baylor College of Medicine Lung Institute has more than 300 members:

75 Pulmonology faculty within the section of Pulmonary Critical Care & Sleep Medicine

28 Otolaryngology (ENT) Surgeons

4 Thoracic surgeons

4 Lung Transplant surgeons

2 Lung procurement surgeons

Geneticists

Family practice specialists

Internists

Medical oncology specialists

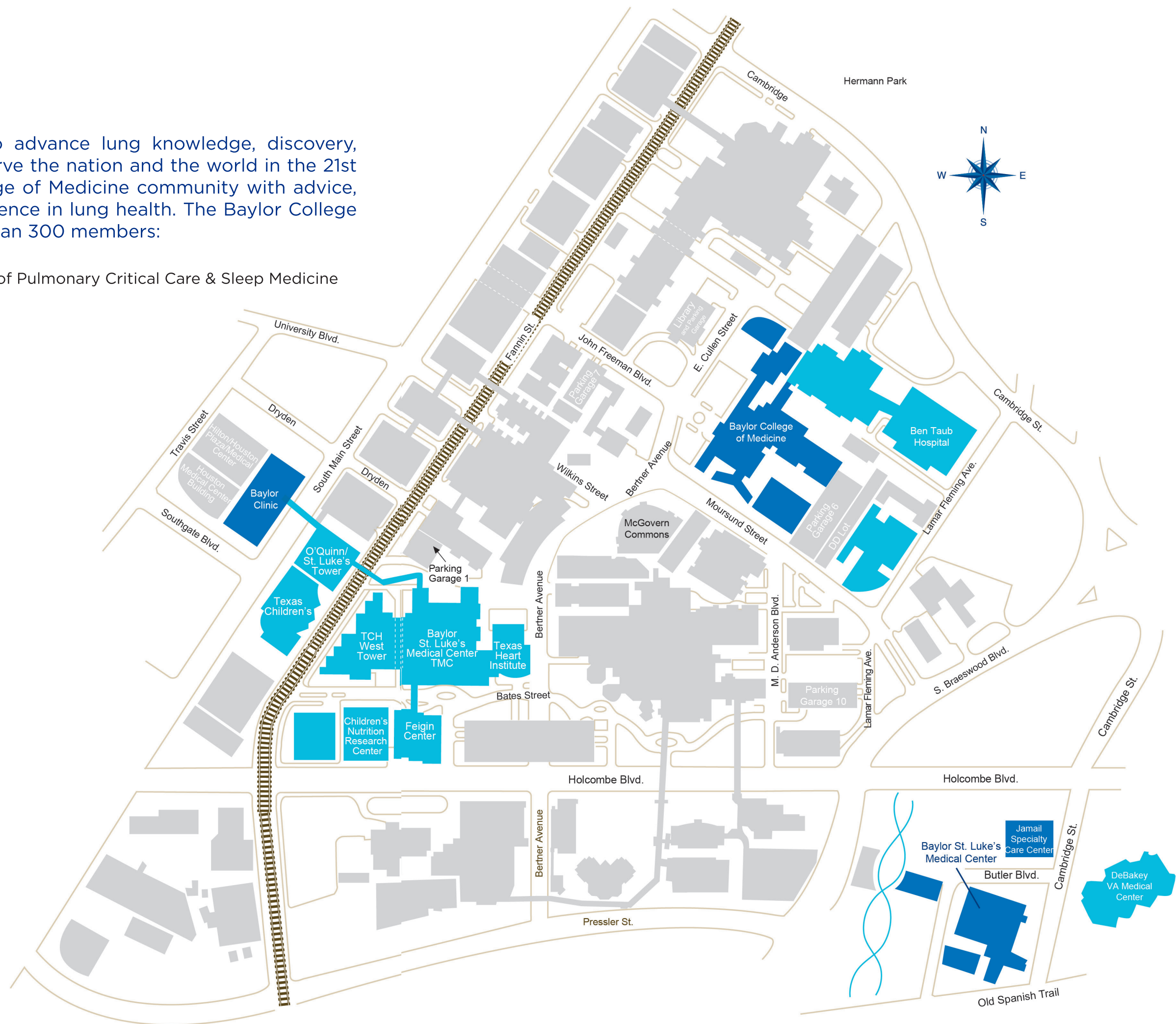
Radiation oncologyspecialists

Radiologists

Pathologists

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Airway Disease Program



Nicola Alexander Hanania, M.D., M.S.
Professor, Medicine-Pulmonary
Director, Airways Clinical Research Center
Baylor College of Medicine

Chief, Pulmonary/Critical Care/Sleep Medicine
Ben Taub Hospital

“My ultimate goal is to improve the outcome of patients with asthma and COPD not only by providing state of the art evidence-based care, but by developing and testing new interventions to eliminate burden of these diseases.”

The Baylor Medicine Airway Disease Program provides comprehensive services for all patients with asthma and chronic obstructive pulmonary disease (COPD). We offer the full spectrum of conventional and advanced therapies for patients through compassionate patient-centered care, education and self-empowerment. We partner with allergy and immunology, otolaryngology, interventional pulmonology and thoracic surgery experts to ensure patients have a treatment plan that considers all aspects of their condition.

- Severe and steroid-dependent asthma
- Allergic and eosinophilic asthma
- Non-allergic asthma
- Asthma in high-risk groups, including pregnancy
- Aspirin-exacerbated respiratory disease
- Allergic bronchopulmonary aspergillosis
- Advanced chronic obstructive pulmonary disease (COPD)
- Chronic bronchitis and emphysema
- Chronic cough



Research:

The Airway Disease Program is one of the sites of the Baylor Airways Clinical Research Center (ACRC). Patients participate in clinical studies which are advancing how we treat asthma and COPD.

Baylor Medicine at McNair Campus
7200 Cambridge St. Suite 8A
Houston, TX 77030
Fax: (713) 873-3346
(713) 798-2400

Airways Clinical Research Center

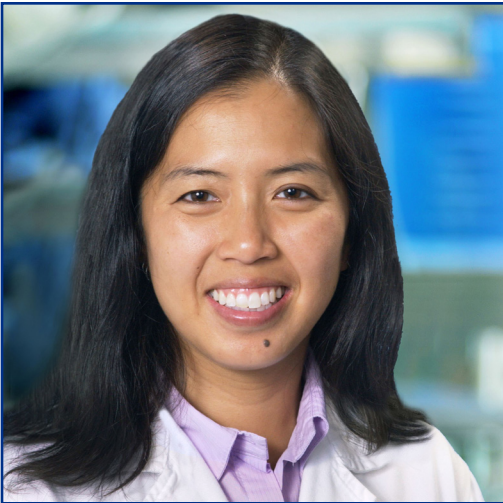


The ACRC Network is a jewel in the crown of the American Lung Association research program. As the nation's largest not-for-profit network of clinical centers dedicated to asthma and COPD research, it includes an impressive bandwidth of experts working together to produce results directly affecting patient care. The ACRC Network positively impacts patients through large patient-focused clinical trials led by some of the best investigators nationwide.

The local Airways Clinical Research Center at Baylor College of Medicine is part of Asthma Clinical Research Centers, a nationwide clinical network created by the American Lung Association and is the only center in Texas. The principal investigator of the Baylor ACRC is Nicola A. Hanania, M.D., of the pulmonary section of the Department of Medicine. The co-principal investigator is Marianna M. Sockrider, M.D., Dr.PH, of the pediatric pulmonology section of the Department of Pediatrics. The center includes several other investigators from Baylor St. Luke's Medical Center, Houston Methodist Hospital, Ben Taub Hospital and Texas Children's Hospital and is part of the Biology of Inflammation Center.

Center for Airway, Voice and Swallowing

Upper Airway & Tracheal Disease



Julina Ongkasuwan, M.D.
Professor and Chief, Laryngology
Otolaryngology - Head & Neck Surgery

“I am interested in how we produce voice and different treatment approaches for voice problems. I specialize in perceptual evaluations of voice problems, examination of patients with voice problems, including stroboscopic examination of the voice box.”

Baylor Medicine’s Laryngology and Speech-Pathology team is focused on serving patients with voice, airway and swallowing disorders. Our team employs specialized medical, surgical and behavioral techniques to diagnose and treat voice and speech conditions, dysphagia, chronic

cough and conditions involving the upper airway, larynx and trachea. Our team collaborates with gastroenterology, pulmonology, thoracic surgery, psychiatry and surgical pathology.

Baylor Medicine | 1977 Butler Boulevard | 713-798-5900

- | | |
|--|---|
| Voice problems | Recurrent respiratory papillomatosis |
| Hoarseness | Chronic cough |
| Dysphagia | Early-stage laryngeal cancer |
| Muscle tension dysphonia | Vocal cord dysfunction |
| Glottic stenosis & subglottic stenosis | Vocal misuse and overuse |
| Laryngopharyngeal reflux | Vocal fold/cord paralysis, nodules, polyps and other benign lesions |
| Muscle tension dysphonia | Reinke’s edema |
| Spasmodic dysphonia | Tracheal stenosis |
| Paradoxical vocal fold movement | Tracheostomy management |
| Recurrent laryngitis | Zenker’s diverticulum |
| | Age-related vocal fold atrophy |

In addition to surgical and medical treatment, patients with airway, voice and swallowing conditions are often referred to a speech-language pathologist, who can provide additional evaluation and treatment options.

- Voice and swallow therapy
- Professional voice care/singing voice rehabilitation
- Head and neck cancer rehabilitation
- Modified barium swallow study (MBS) and flexible endoscopic evaluation of swallowing (FEES)
- Lee Silverman Voice Therapy (LSVT)

Advanced Lung Disease Clinic



Ivan O. Rosas, M.D.
Professor and Chief
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine

“I am interested in the development of novel diagnostic and therapeutic approaches to treat disabling lung diseases. Our clinical research focuses on early detection and treatment of pulmonary fibrosis.”

The Advanced Lung Disease Clinic provides cutting-edge care for a wide range of progressive lung diseases that require specialized treatments, including but not limited to lung transplantation. Subspecialists provide multidisciplinary care under one roof, focusing on patient-centered approaches to diagnose and treat progressive lung diseases. We specialize in treating common disorders, as well as rare genetic pulmonary disorders like Hermansky-Pudlak Syndrome, lymphangioleiomyomatosis (LAM) or alpha-1-antitrypsin deficiency, which can also be associated with progressive decline in lung function.

- Interstitial lung disease
- Pulmonary fibrosis
- Sarcoidosis
- Connective tissue diseases
- Autoimmune lung diseases
- Chronic Obstructive Pulmonary Disease (COPD)
- Emphysema
- Pulmonary hypertension
- Hermansky-Pudlak syndrome
- Langerhans cell histiocytosis
- Lymphangioleiomyomatosis (LAM)
- Birt hogg dube syndrome
- Alpha-1-antitrypsin deficiency



Our center also provides access to clinical trials and observational studies to improve our knowledge of lung disease and facilitate access to novel therapies that could prove beneficial.

Baylor St. Luke’s Medical Center
6620 Main St Suite 1475
Houston, TX
(832) 355-2285

Advanced Lung Support Program ARDS, ECMO & Critical Care



Subhasis Chatterjee, M.D.
 Associate Professor
 Division of Trauma and Acute Care Surgery
 Division of Cardiothoracic Surgery

 Director, Thoracic Surgical ICU & ECMO Program Baylor
 St. Luke's Medical Center

The advanced lung support program (including groups managing ARDS, utilizing ECMO and our critical care team) incorporate multidisciplinary care approaches to manage patients with advanced and critical lung disease.

While the waitlist at Baylor St. Luke's Medical Center is lower than the national average, ECMO is an important adjunct for patients who become very sick quickly. Without an ambulatory ECMO Program, it can be difficult or impossible to bridge a patient who is critically ill to a lung transplant; many times, the ventilator support alone is not enough.



Our Annual Advances in Critical Care conference features speakers from the Texas Medical Center and around the country discussing all aspects of critical care.

Join us for cutting-edge discussions on extracorporeal membrane oxygenation (ECMO), mechanical circulatory support, and neuromonitoring. Breakout sessions will focus on ICU systems, team dynamics, and much more.

advancesincriticalcare.org

Center for Dysphagia and Swallowing Disorders

Aspiration, Dysphagia, Swallowing and Reflux

The Center for Dysphagia and Swallowing Disorders is an unparalleled collaboration between three unique specialties with dedicated interests in dysphagia. With a team of otolaryngologists, thoracic surgeons, gastroenterologists, radiologists, speech therapists and nutritionists, we evaluate and treat patients who have difficulty swallowing food or liquids. A commitment to research, advancing medical education and measurement of outcomes allows us to bring best-practice and state-of-the-art technologies to our patients.

The center strives to establish a diagnosis quickly and we work carefully with each patient to establish an individualized treatment plan.

Baylor Medicine | (713)798-8376 or (713)798-LUNG

- | | |
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| Botulinum toxin (Botox) injection
Cricopharyngeal myotomy (endoscopic/open)
Laparoscopic heller myotomy
Laparoscopic hiatal hernia repair and Nissen fundoplication
Laparoscopic paraesophageal hernia repair
LINX procedure for GERD
Speech and swallowing therapy
Vocal injection/medialization
Zenker's diverticulostomy (endoscopic/open)
Neurology consultation
Psychiatry consultation
Feeding tube placement
Nutrition consultation
Esophageal dilation
Esophageal stent placement
Photodynamic therapy
Esophagectomy
Minimally invasive esophagectomy
Radiofrequency ablation of Barrett's esophagus
Peroral endoscopic myotomy (POEM) | Pharyngeal dysfunction
Aspiration
Cricopharyngeal bar
Cricopharyngeal dysfunction
Vocal paralysis
Esophageal dysmotility
Achalasia
Dermatomyositis
Esophagitis
Esophagogastric junction (EGJ) outflow obstruction
Hypercontractile esophagus (jackhammer esophagus)
Ineffective esophageal motility
Scleroderma
Reflux
Gastroesophageal reflux disease
Hiatal hernias
Laryngoesophageal reflux
Paraesophageal hernias
Barrett's esophagus
Esophageal cancer
Esophageal diverticuli
Esophageal strictures
Zenker's diverticuli |
|---|---|

Bronchiectasis

Cystic Fibrosis Center, Non-CF Bronchiectasis



Tara Lynn Barto, M.D., MSCR
Assistant Professor
Director, Baylor Adult Cystic Fibrosis Program
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine

“I strive to provide state of the art, compassionate, comprehensive, care to the adult cystic fibrosis community as well as those with complex pulmonary diseases including non-cystic fibrosis bronchiectasis.”

As Houston’s only Cystic Fibrosis Foundation accredited adult care center, The Baylor Medicine Maconda Brown O’Connor, Ph.D., Adult Cystic Fibrosis Center is one of the largest in the United States and provides clinical care to the patients 18 years and older with cystic fibrosis in a multidisciplinary manner including providers, nursing, nutrition support, social services and respiratory therapy focused on this disease process. Additionally, we offer opportunities to participate in clinical trials ranging from observational to interventional (Phase I-IV) options.

Baylor Medicine | cysticfibrosis@bcm.edu | 713-798-2400

The Bronchiectasis Program at Baylor Medicine offers advanced diagnostics and management of bronchiectasis and its complications. Our team of lung specialists will review a patient’s case and develop a personalized treatment plan, which may include:

- Evidence-based lifestyle changes
- Inhaled and mechanical airway clearance treatments
- Inhaled antibiotics
- Oral or intravenous antibiotics for when patient gets sick from infections, including pseudomonas, mycobacteria, MRSA, etc.
- Oxygen prescription
- Genetic testing and counseling for diseases like primary ciliary dyskinesia (PCD)
- Combined visits with infectious disease specialists for complicated cases
- Referral to a surgical specialist
- Referral to pulmonary rehabilitation to improve symptoms and mobility

Non-Tuberculous Mycobacterial Disease (NTM) Program



Sunjay Devarajan, M.D.
Assistant Professor
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine

“The Baylor NTM program offers patients a unique opportunity to build real-time treatment plans in a single visit rather than bounce around the offices of multiple specialists seeking answers. It efficiently fills a community and public health need.”

Baylor Medicine | ntmclinic@bcm.edu | (713) 798-2400

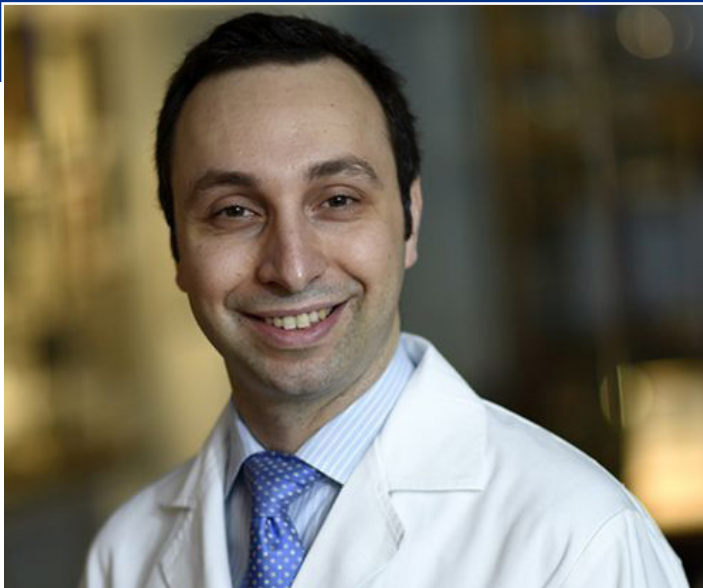


Ahmed Hamdi, M.D.
Assistant Professor
Section of Infectious Diseases
Department of Medicine

The Baylor Medicine Non-Tuberculous Mycobacterial Disease (NTM) Program consists of a multi-disciplinary team of infectious disease specialists, pulmonologists, microbiologists and respiratory therapists working together to design the most effective treatment plan for our patients. This approach offers a unique opportunity to build real-time treatment strategies in a single visit, reducing wait times and improves efficiency.

Treatment for NTM infections is complex and usually involves a combination of antibiotics taken over a long period of time with frequent monitoring of sputum cultures, chest imaging and pulmonary function tests. Additional treatments may include pulmonary rehabilitation for symptom management and even surgery to remove infected tissue, particularly if the infection is localized to a specific lung area.

Chest Wall Resection and Reconstruction



Sebastian Winocour, M.D., M.Sc.
Professor and Associate Chief
Division of Plastic Surgery
Baylor College of Medicine
Section Chief of Plastic Surgery
Baylor St. Luke's Medical Center



Marco Maricevich, M.D.
Associate Professor
Chief, Plastic Surgery
Ben Taub Hospital

The Chest Wall Resection and Reconstruction Clinic focuses on tumors of the chest wall and deformity of the chest wall from trauma or congenital defects. Our teams specialize in analyzing chest wall images from CT scans or MRI to diagnose characteristics that can lessen the need for biopsy. When a biopsy is warranted, we work closely with oncology colleagues and the multidisciplinary tumor board to ensure patients are appropriately treated for chest wall tumors.

- Chest wall tumors
- Pectus excavatum
- Pectus carinatum
- Chest wall trauma
- Chest wall hernias

Baylor Medicine | (713)798-8376 or (713)798-LUNG



Research:

Our teams are currently working with industry partners to create customized 3D printed chest wall reconstructions with material uniquely suited to function like human ribs. Our collective experience and systematic approach made innovation in this area a key area of innovation interest. Research protocols and collaboration with the FDA enable our programs to measure results and improve outcomes.

Congenital Tracheal & Lung Disease Intervention for Children

Pediatric Lung Transplant



Jeffrey S. Heinle, M.D.
Professor and Chief
Division of Congenital Heart Surgery

Surgical Director, Lung Transplant Program at Texas Children's Hospital

"I focus on delivering children born with congenital lung disease the best possible future with the latest advances in technology."

The Texas Children's Hospital (Texas Children's) Lung Transplant Program ranks among the largest pediatric transplant programs globally and leads nationwide in performing pediatric lung transplants. In fact, over the past five years, under the leadership of Tina Melicoff, M.D., medical director of Texas Children's Lung Transplant Program, we have executed more than a quarter of all pediatric lung transplants in the United States.

Our nationally ranked specialist team has the experience and expertise to handle the most complex and rare cases. Skilled cardiothoracic surgeons, trained specifically in lung transplants, offer detailed surgical consultation. Teams include pulmonologists, nurse coordinators, dietitians, pharmacists, social workers, child life specialists, psychologist, physical and occupational therapists. Each of these disciplines provides comprehensive education in their area of expertise to facilitate a successful transplant.

Texas Children's is a globally recognized leader in extracorporeal membrane oxygenation (ECMO) care. ECMO provides life-prolonging care to critically ill patients until a suitable lung donor becomes available. Our extensive experience in ECMO as a bridge to transplant allows us to offer a lifeline to the most critical patients who might otherwise be ineligible for transplantation.

- Fetal lung problems
- Lung transplant
- Tracheal surgery
- Vascular slings and rings
- Tracheobronchoplasty
- Pleural disease
- CCAM

Texas Children's Hospital | (832) 826-2030

Lung Genomics and Genetics



Richard A Gibbs, Ph.D.
Wofford Cain Chair and Professor
Molecular & Human Genetics
Director, Human Genome Sequencing Center

“The visionary quest was launched to sequence the human genome so that we would have this foundation to do all of it—whatever ‘it’ turned out to be. It was a big breakthrough upon completion, and the question immediately became, ‘How do we push the genome into medicine?’ because impacting health is really what it’s all about.”

Since 2007, the Human Genome Sequencing Center (HGSC) has led advances in human genetics, developing whole exome capture methods and sequencing the first human diploid genome. We pioneered the use of whole genome sequencing to uncover genetic diseases and guide treatments, integrating it into clinical practice by 2011 and now sequence genes for hundreds of patients monthly. The HGSC is also part of national efforts to identify single-gene defects and is advancing cardiovascular genetic risk screening as part of the All of Us Consortium. In collaboration with Dr. Rosas, we are screening relatives of pulmonary fibrosis patients.

HGSC | agibbs@bcm.edu | (713)798-6539



The HGSC Clinical Laboratory (HGSC-CL) is the CAP/CLIA certified molecular diagnostic laboratory operating within the Human Genome Sequencing Center at Baylor College of Medicine.

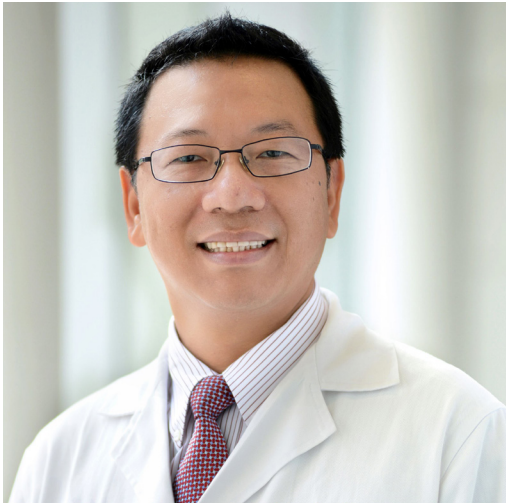
With a commitment to improving health care through genomic testing, HGSC-CL offers clinical testing services in support of large-scale clinical sequencing efforts.



DEPARTMENT OF
MOLECULAR & HUMAN
GENETICS

Endometriosis Center

Pleural Endometriosis



Xiaoming Guan, M.D., Ph.D.
Professor and Chief
Division of Minimally Invasive Gynecologic Surgery
Obstetrics and Gynecology

Baylor Medicine endometriosis specialists have long been recognized for their expertise in diagnosing and treating endometriosis, providing much-needed relief for women searching for help.

Treatment is provided by board-certified, fellowship-trained minimally invasive gynecologic surgeons highly skilled in excision surgery. These experienced surgeons work in concert with a diverse team of Baylor Medicine specialties to treat all aspects of a woman’s health affected by endometriosis.

Texas Children’s Pavilion for Women | (832)-826-7500

SMOKING CESSATION



During initial consultation, patients will receive information regarding the Tobacco Cessation Program and answers to any questions they might have. Treatment specialists will evaluate tobacco use and related factors that may trigger or influence tobacco usage. A detailed plan for treatment and quitting will be created. One to two week follow-up visits (eg, telemedicine encounters or in-person office visit) will be advised to offer support, monitor for adverse pharmacologic effects, and emphasize adherence to medication.

Baylor Medicine | 7200 Cambridge Street | 713-798-6376

Baylor Family Medicine



Baylor Medicine family physicians provide primary care to individuals and the entire family—from adolescents to older adults. The clinics offer lung cancer screening and smoking cessation services to underserved and high-risk areas in Texas, including Polk and San Jacinto Counties. Building on the Harris County Healthy Lung Cancer Screening Program, the new Lung Cancer Screening and Tobacco Control (LCTC) Network will train 250 primary care providers, offer 450 free screenings and provide smoking cessation treatment to 3,000 patients. The program aims to reach 20,000 community members and reduce lung cancer mortality by 20%.

Baylor Medicine | 713-798-7700

Extended hours, next-day appointments, telehealth visits, virtual Saturday visits and three convenient locations make it quicker and easier to get the care patients need. Our physicians speak several languages, providing options to Houston’s diverse community.

Lung Cancer Screening locations

Ben Taub Hospital
(713) 526-4243

Baylor St Luke’s Medical Center
(832) 354-1000

Michael E. DeBakey VA Medical Center
(800) 698-2411

Dan L Duncan
Comprehensive Cancer Center
One of only three NCI Designated Cancer Centers in Texas.
(832) 957-6500

Baylor College of Medicine Concierge
Healthcare Program
(713)798-7877 or fax (713)798-1830

The Duncan Cancer Center is designated by the National Cancer Institute.

Interventional Pulmonology



Javeryah Safi, M.D.
Assistant Professor
Interventional Pulmonary
Section of Pulmonary and Critical Care Medicine

“I strive to deliver the least invasive and most personalized diagnostic and therapeutic interventions. As a pulmonologist, seek to get my patients staged and treated in the safest and most timely manner. Our teams strive to deliver an exceptional experience.”

Baylor Medicine | 7200 Cambridge St., Suite 6A | (713) 798-2678



Babith Mankidy, M.D.
Asisstant Professor
Interventional Pulmonary
Section of Pulmonary and Critical Care Medicine

“I provide interventional pulmonary input to the lung transplant service at Baylor St. Luke’s Medical Center and my dual experience in transplant medicine and interventional pulmonary gives me added ability to tackle complex post transplant airway concerns.”

The Interventional Pulmonology Program is one of the largest lung centers in Texas that provides interventional pulmonology. As part of our comprehensive lung program, our board-certified interventional pulmonologists perform advanced diagnostic bronchoscopy, pleural procedures and therapeutic bronchoscopy. We offer consultation services for both malignant and benign disorders of the lung and the airways and a multidisciplinary approach to evaluation and management.

- Lung cancer
- Lung nodules
- Airway obstruction due to cancer
- Hemoptysis
- Tracheal stenosis
- Pneumothorax

- Pleural effusions
- Emphysema and COPD for valve placement
- Prolonged air leaks after surgery
- Pulmonary alveolar proteinosis

Mesothelioma Treatment Center



R. Taylor Ripley, M.D.
Professor of Surgery
David J. Sugarbaker Division of Thoracic Surgery
Director, Clinical Trials
Michael E. DeBakey Department of Surgery
Meyer-DeBakey Chair in Investigative Research

Director, Mesothelioma Treatment Center
Baylor St. Luke's Medical Center

“My experience in successfully implementing clinical trials for patients with mesothelioma coupled with over 10 years of surgically treating these patients brings value to patients diagnosed with this devastating disease. Patients are key stakeholders in our programs, and we have partnered with patient and community organizations to tailor treatment where they are most likely to benefit.”

The Mesothelioma Treatment Center is recognized worldwide as a leading-edge center for the diagnosis, treatment and research of malignant mesothelioma. Our physicians and staff use leading-edge medical techniques, including genetic and genomic approaches, combined with essential support and therapy to treat the whole person. To overcome the challenges of treating mesothelioma, we are actively committed to conducting clinical trials with new treatments, pharmaceuticals and procedures.

Lung Transplant Program



Gabriel Loor, M.D.
Associate Professor of Surgery
Baylor College of Medicine

Surgical Director, Lung Transplant Program
Baylor St. Luke's Medical Center



Puneet Singh Garcha, M.D., M.B.A.
Associate Professor of Surgery
Baylor College of Medicine

Medical Director, Lung Transplant Program
Baylor St. Luke's Medical Center

Baylor Medicine | 7200 Cambridge St. | (713) 798-6376

lungtransplant@stlukeshealth.org | (832) 355-9125



The Lung Transplant Program at Baylor St. Luke's Medical Center is a national leader in advanced lung disease and offers a variety of options for patients in need of a lung transplant.

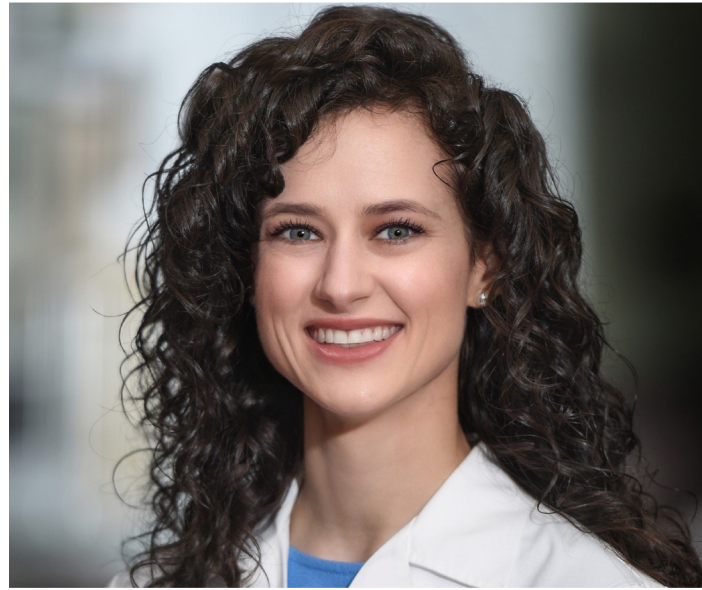
The program is designated as a transplant center of excellence by Optum/United Healthcare and members of the team are pioneers of various innovations including the use of portable ex vivo lung perfusion for transportation and evaluation of donor organs. >100 lung transplants (#6 in the nation by volume)

- Single and double lung transplantation
- Multi organ transplants
- Ex vivo lung perfusion
- Transplantation in patients with extended risk, such as coronary artery disease
- Anti-rejection strategies

Hospice and Palliative Care



Charu Agrawal, M.D.
Assistant Professor
Medical Director, Palliative Medicine
Baylor St Luke's Medical Center
Dan L Duncan Comprehensive
Cancer Center



Paige Farinholt, M.D.
Assistant Professor
Palliative Medicine
Dan L Duncan Comprehensive
Cancer Center

Our supportive care team includes specially-trained physicians, nurses and social workers who work together with a patient's other doctors to provide an extra layer of support. Unique to Dan L Duncan Comprehensive Cancer Center, the team is embedded within medical oncology so that patients can see their oncologists and palliative care on the same day and in the same place.

Symptom management
Support through communication and coordination of care with oncologist
Advance care planning

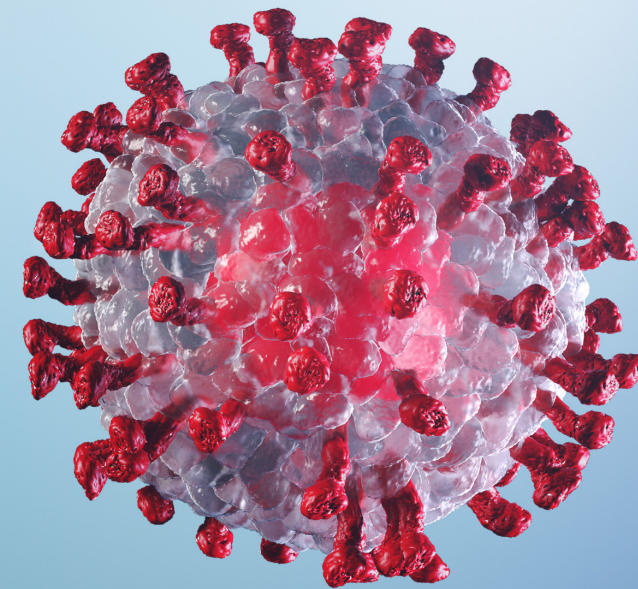
Post-COVID Care Clinic



Fidaa Shaib M.D.
Associate Professor
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine
Chief, Medical Officer, Baylor Medicine

"Our community of patients who continue to suffer from COVID-19 will need ongoing care. The Post-COVID clinic is created to meet those needs and help patients recover to get back to their best condition possible."

At the Post-COVID Care Clinic, a multidisciplinary team provides care in a compassionate and holistic approach to those inflicted with residual symptoms and long-term health issues, most of which are not well defined nor understood. Also known as "long-haulers," patients with long-term effects from COVID-19 often have respiratory symptoms such as cough or chest pain. However, patients recovering from COVID-19 experience many symptoms related to multiple organ systems. Our goal is to evaluate and provide state-of-the-art care to patients recovering from COVID-19, incorporating telehealth, when appropriate.



Baylor St. Luke's Medical Center
7200 Cambridge St.
Houston, TX 77030
(713)798-5864

Duncan Cancer Center | (832) 957-6500

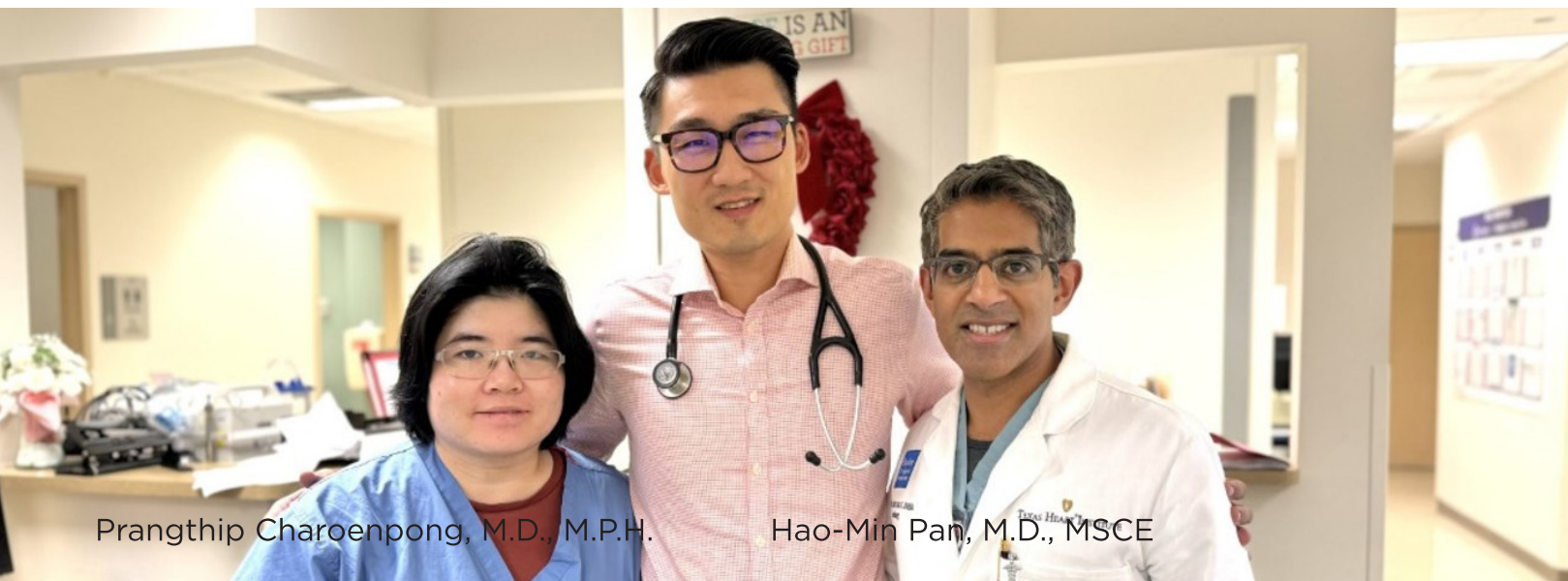
Pulmonary Hypertension/CTEPH



Ajith P. Nair, M.D.
Associate Professor, Medicine & Cardiology

“Baylor College of Medicine has a long legacy of pioneering pulmonary hypertension. We are enrolling patients into clinical trials and have state-of-the-art diagnostic and therapeutic technology. Our needs are still great if we want to be the best in the country, and our team is committed to going the distance for our community ”

The Chronic Thromboembolic Pulmonary Hypertension (CTEPH) program at Baylor St. Luke’s Medical Center is one of a handful of specialized programs in the country offering expert multidisciplinary care for patients with CTEPH. Dr. Ajith Nair has dedicated his research to patients suffering from pulmonary hypertension and specializes in the clinical evaluation and management of the disease.



Prangthip Charoenpong, M.D., M.P.H.

Hao-Min Pan, M.D., MSCE

6720 Bertner Avenue
Houston, TX 77030
(713) 355-3961 Heart Failure Clinic
(713) 798-2545 Baylor Heart Clinic

Robotic Thoracic Surgery



Our robotic thoracic surgery program is recognized as one of the top ten programs in the nation. Every thoracic surgeon in our division performs minimally invasive surgery and is certified and credentialed to perform robotic lung resections.

We specialize in robotic navigational bronchoscopy for minimally invasive lung biopsies, robotic esophagectomy for treatment of esophageal cancer as well as robotic lung resections. Our teams are trained to perform robotic tracheobronchoplasty to offer advanced solutions for tracheal reconstruction.

One of the main benefits of robotic thoracic surgery versus open surgery is that it is a less invasive procedure. This means that there are smaller incisions, less blood loss, and a shorter hospital stay. Patients who undergo robotic thoracic surgery also tend to experience less pain and scarring than those who have open surgery.

Baylor Medicine at McNair Campus
7200 Cambridge St.
Houston, TX 77030
(713) 798-LUNG

Medical Oncology

Dan L Duncan Comprehensive Cancer Center



Meera Patel, M.D., MHS
Assistant Professor
Section of Medical Oncology
Department of Medicine
Director, Thoracic Oncology Program

“Directing our thoracic cancer programs is a highlight for my career. I enjoy working alongside my surgical, radiation and pathology colleagues to find the best customized treatment plan for my patients. We find exceptional ways to go above and beyond to deliver unexpected outcomes whenever possible.”

The Dan L Duncan Comprehensive Cancer Center at Baylor St. Luke’s Medical Center brings innovative treatments from lab to bedside faster than ever before to help stop cancer in its tracks.

Set apart from other centers by its Comprehensive Cancer Center designation by the National Cancer Institute (NCI), the center provides exceptional care to patients from all over the world. As one of only three NCI-designated Comprehensive Cancer Centers in Texas, the Duncan Cancer Center is one of the best in the country and contributes vital advances to cancer research through national funding. Specialized health care providers, including oncologists and radiologists,,are dedicated to understanding, preventing and treating various types of cancer.

Breast cancer
Colorectal Cancer
Gastrointestinal Cancer
Genitourinary Cancers
Gynecologic Cancers
Head & Neck Cancers
Leukemia & Lymphoma

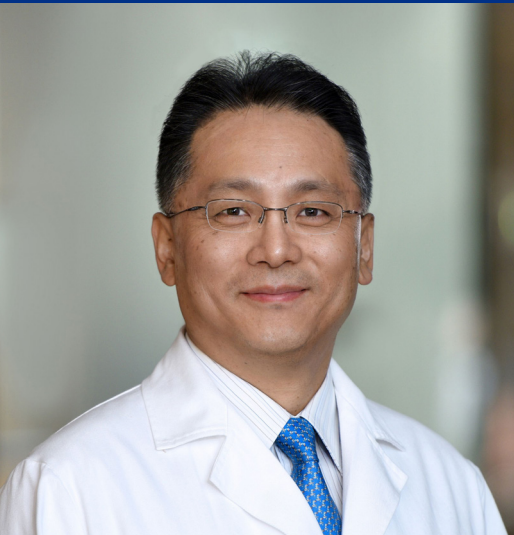
Liver Cancer
Lung
Mesothelioma
Melanoma & Carcinoma
Neuroendocrine Tumors
Pancreatic Cancer
Prostate Cancer



Recognized for scientific and clinical excellence, the Duncan Cancer Center is home to exceptional discoveries and the development of more effective approaches to cancer prevention, diagnosis and treatment. In addition, the center performs outstanding cancer epidemiology and prevention research and sponsors innovative clinical trials of new preventive and treatment strategies.

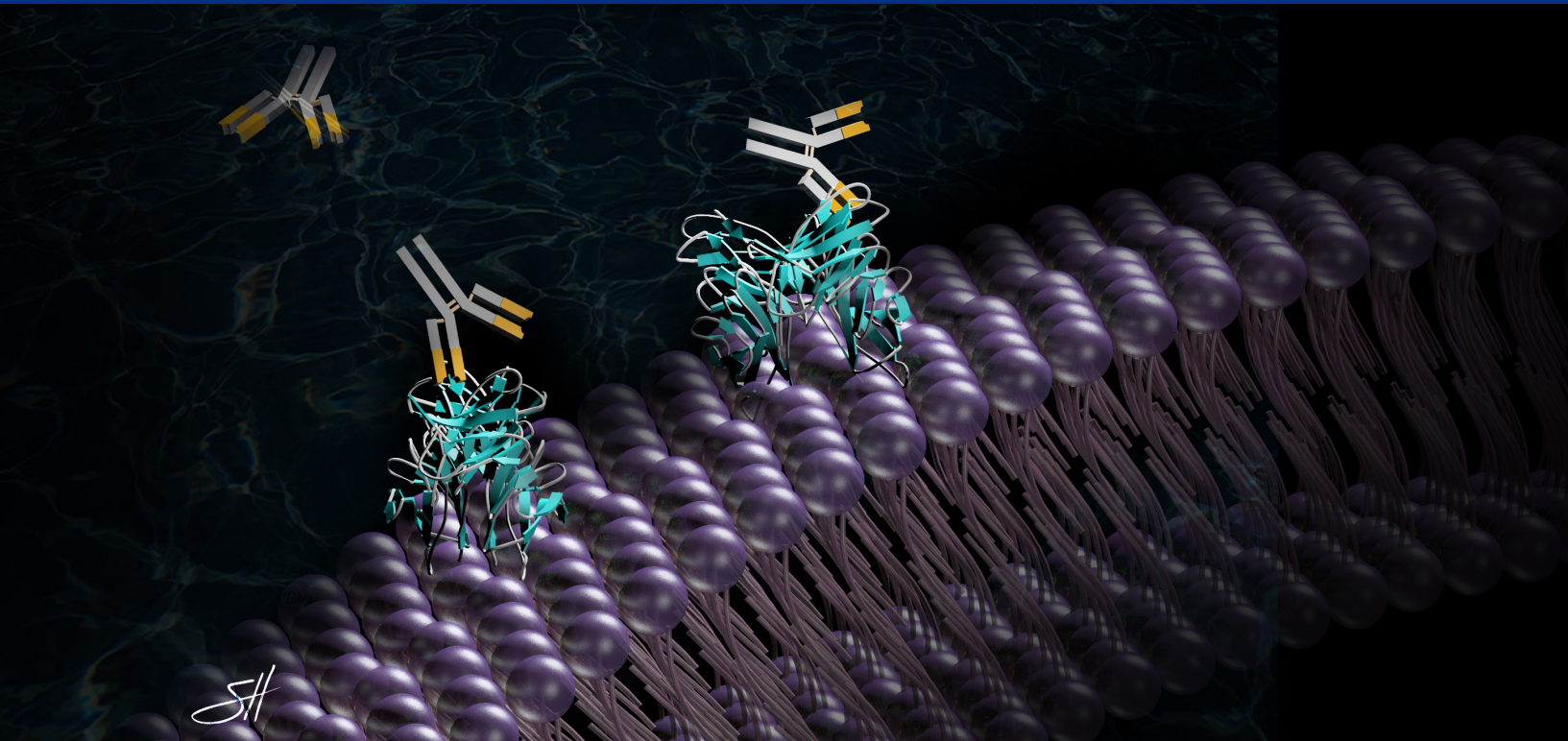
Duncan Cancer Center | (832) 957-6500

Systems Onco Immunology Laboratory (SOIL)

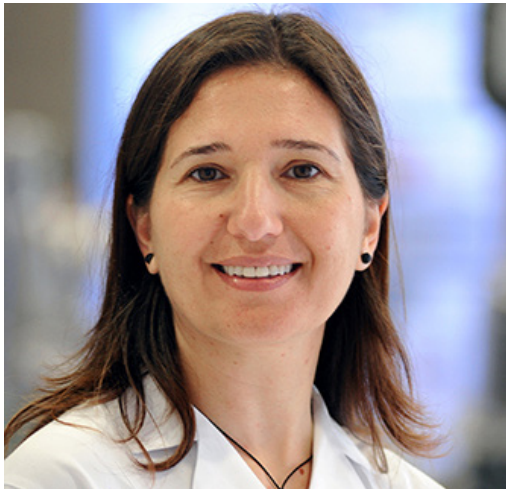


Hyun-Sung Lee, M.D., Ph.D.
Associate Professor of Surgery
Michael E. DeBakey Department of Surgery
David J. Sugarbaker Division of Thoracic Surgery
Director, Systems Onco-Immunology Lab
Baylor College of Medicine

The Systems Onco-Immunology Laboratory (SOIL) at Baylor College of Medicine, under the leadership of Hyun-Sung Lee, M.D., Ph.D., is a pivotal center for translational oncology research. This interdisciplinary hub unites surgeons, medical oncologists, immunologists, geneticists, proteogenomic experts and bioinformaticians in the pursuit of groundbreaking research in onco-immunology. SOIL’s work extends beyond research, encompassing educational endeavors in systems onco-immunology and active engagement with the scientific community. Its core aspects are: Sophisticated Research Infrastructure, Onco-Immunologic Personalized Medicine, Integration with Clinical Practice, Leadership in Interdisciplinary Collaboration and Educational Excellence and Community Involvement. Through this structured and visionary approach, SOIL is set to make significant strides in onco-immunology within surgical oncology, combining innovative research, clinical application, educational leadership and community outreach.



Sleep Medicine and Snoring



Fidaa Shaib M.D.
Associate Professor
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine
Chief, Medical Officer, Baylor Medicine



Philip Mani Alapat, M.D.
Associate Professor
Section of Pulmonary, Critical Care & Sleep Medicine
Department of Medicine
Program Director, Pulmonary and Critical Care Medicine Fellowship

The Baylor Medicine Sleep Clinic specializes in diagnosing and treating a wide range of sleep disorders. The clinic is led by Dr. Fidaa Shaib, who serves as the director of both the Sleep Medicine Clinic and the Sleep Center. Our team of experts provide thorough evaluations and personalized treatment plans for a wide range of sleep-related conditions.

We collaborate closely with Baylor Medicine ENT to offer advanced treatments like hypoglossal nerve stimulation (Inspire) for obstructive sleep apnea. Additionally, the center works with the neurology department to coordinate care for patients requiring home ventilation, both non-invasive and invasive.

- Sleep apnea

Snoring

Insomnia

Narcolepsy

Parasomnias
- Restless leg syndrome (RLS)

Shift work disorder

Non 24 sleep-wake disorder

Excessive sleepiness

Radiation Oncology



Zaid Siddiqui, M.D.
Assistant Professor
Radiation Oncology

“At Baylor, our multidisciplinary team works together to customize a plan of care to fit every patient’s unique physical and emotional needs and to respect their values. When designing radiation plans, no two patients are the same—working with the Baylor team allows me to reduce the burden of treatment, provide optimum support to patients and their families, and provide timely, high-quality care.”

As a high-volume center, Baylor Radiation Oncology routinely performs procedures that may be done only occasionally at other locations. Studies have shown that centers performing higher volumes of procedures have better patient outcomes.

Types of Radiation Therapy:
3D Conformal Treatment Planning and Delivery: Three-dimensional conformal radiation therapy (3D-CRT) is an emerging technology in radiation therapy that involves multimodality imaging techniques, accurate radiation dose calculation methods, computer optimized treatment planning and computer- controlled treatment delivery.

Intensity Modulated Radiation Therapy: This advanced type of radiotherapy uses a computer-controlled device called a linear accelerator to deliver precise doses of radiation to tumors or specific areas within the tumors.

Image-Guided Radiation Therapy: IGRT uses frequent imaging during a course of radiation therapy to improve the precision and accuracy of the delivery the radiation treatment.
Stereotactic Radiosurgery: Despite its name, radiosurgery is a treatment, not a surgical procedure. This non-invasive procedure involves highly precise, large doses of radiation to ablate tumors in the lung while minimizing damage to healthy tissue.

Radioimmunotherapy: Radioimmunotherapy is mainly used to treat lymphoma and lymphocytic leukemia. It combines a radioactive substance with a monoclonal antibody that’s injected (infused) in your body. The monoclonal antibody targets, and sometimes reacts with, proteins on cancer cells called antigens. The radioactive molecule destroys the cells.

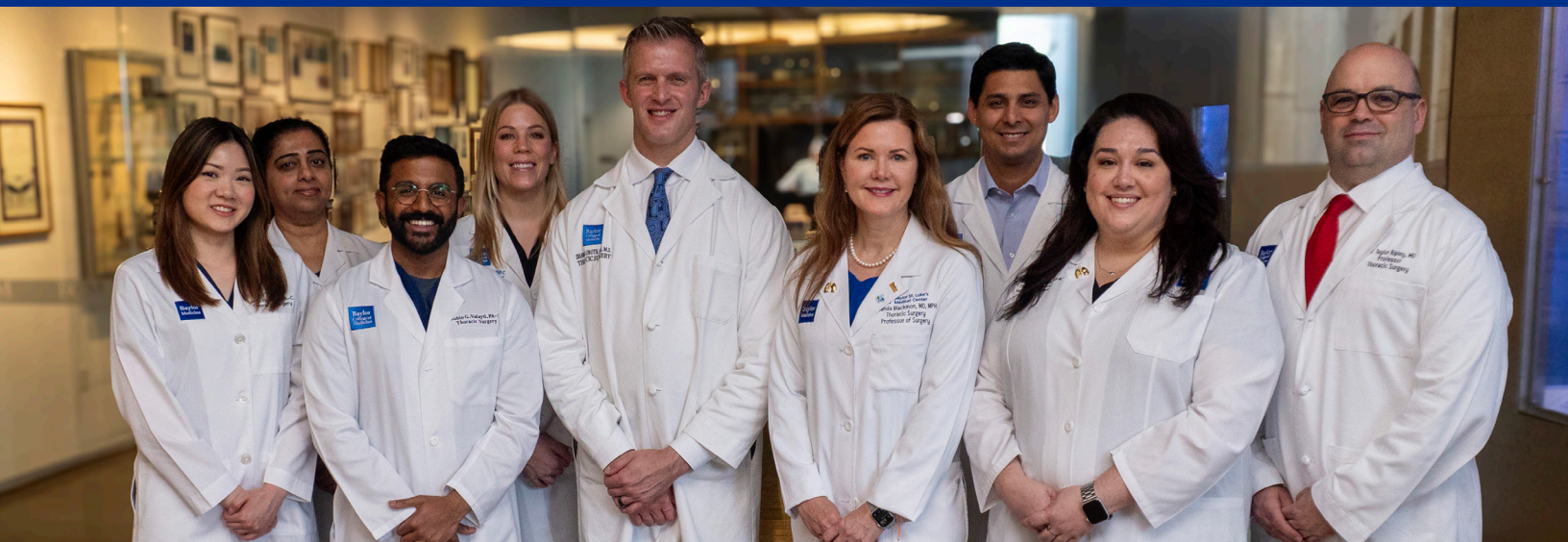
Baylor St. Luke’s Medical Center
7200 Cambridge St.
Houston, TX 77030

(713) 798-LUNG (713) 798-3300

Baylor St. Luke’s Medical Center
7200 Cambridge St.
Houston, TX 77030

(832) 957-6500

Thoracic Surgery



The Thoracic Surgery Clinic at Baylor Medicine’s Lung Institute specializes in the care and treatment of patients with benign and malignant disorders of the chest cavity. This includes lung cancer, esophageal cancer, thymoma, mesothelioma and all other malignancies involving the thorax.

Together with the outstanding support staff of nurses, nurse practitioners and physician-assistants, our surgeons attract patients from all over Texas, and from across the United States. An international program for patients from around the globe is available for those who need special help and assistance.

In addition to outstanding clinical care, our surgeons and staff are committed to the development of new treatments for thoracic disease through research and innovation. New technology drives their innovative techniques that lead to less pain after surgery and a speedier postoperative recovery.



Clarity of Purpose and focused attention are indeed the essence of excellence

Dr. David J. Sugarbaker was the founder of the Lung Institute and the Division of Thoracic Surgery within the Department of Surgery at Baylor College of Medicine. The surgeons he recruited to Houston continue to drive excellence in patient care. His legacy will continue to live on as the current members of the David J. Sugarbaker Division of Thoracic Surgery.

Laboratory for Medical Mass Spectrometry

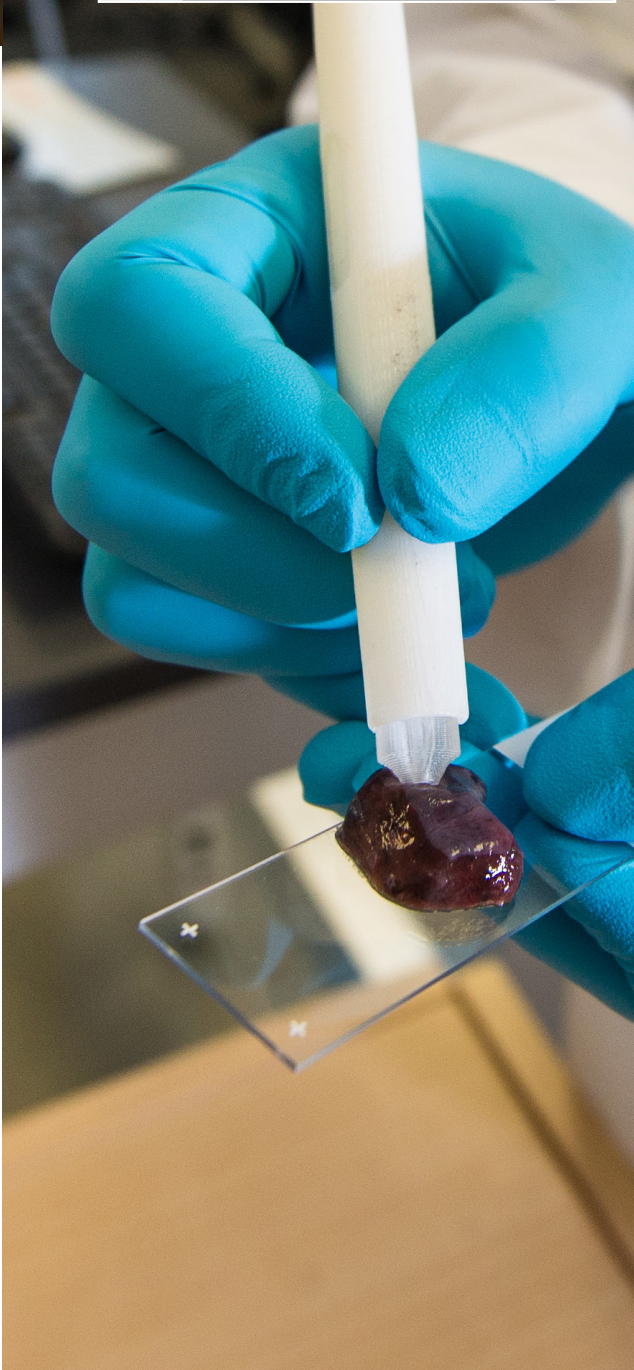


Livia S. Eberlin, Ph.D.
Associate Professor
and Vice Chair for Research
Translational Research and Innovations Endowed Chair
Director, Translational and Innovations Research
Co-Director, INSTINCT
Michael E. DeBakey Department of Surgery

“We are extremely passionate about developing new molecular technologies that can advance and expedite care for patients with lung cancer and other diseases. Our MasSpec Pen device, for example has the potential to both accelerate diagnosis of lesions in bronchoscopies as well as assessment of lung cancer surgical margins to improve precision in surgical treatment.”

One of our exciting inventions, MasSpec Pen technology, has been featured on the television series “Grey’s Anatomy” and is currently being tested by surgeons in the Texas Medical Center. Our lab is funded by the NIH, CPRIT and other medical and research foundations.

Our laboratory’s expertise is in the development and application of direct mass spectrometry technologies for tissue analysis and disease detection. Research projects are focused on the identification of metabolic markers of cancer and other diseases, as well as in the development of mass spectrometry based medical devices for surgical use. We use a combination of chemistry, mass spectrometry, statistical analysis, machine learning and device prototyping techniques to solve complex problems in biomedical research and develop new technologies to improve patient care.

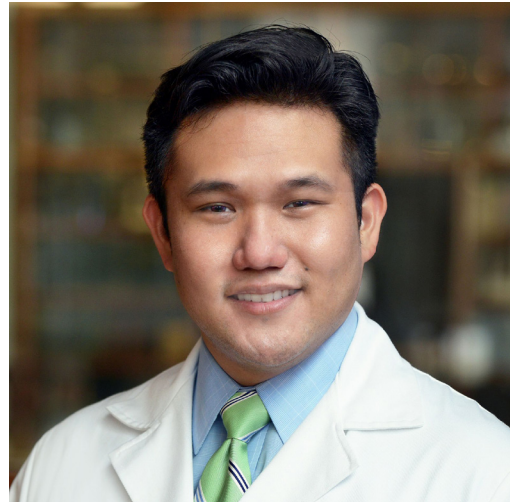


Baylor Medicine | lungsched@bcm.edu | (713)798-6376

Lung Cancer
Mesothelioma
Esophageal cancer
Thoracic outlet syndrome
Thymoma and mediastinal tumors

Reflux and benign esophageal diseases
GERD
Slipping rib syndrome
Trachea disorders
Benign lung diseases

Laryngeal and Tracheal Tumor Program



N. Eddie Liou, M.D.

Associate Professor
Head and Neck Surgery
Bobby R. Alford Department of Otolaryngology

“Our collaborative approach across specialties is paralleled by no other institution and provides optimal outcomes for patients who entrust us with their care.”

The laryngeal and tracheal tumor program focuses on the complex removal of benign and malignant tumors in the upper most aspect of the airway. Goal directed care is centered around optimization of speech and swallow outcomes in the face of complete tumor removal. Surgeries performed may range from endoscopic laryngeal sparing procedures to total laryngectomy or tracheal resection. Longitudinal care is also provided to ensure long term voice rehabilitation.

Our multidisciplinary approach to tumor and cancer care incorporates the expertise of a team which includes thoracic surgeons, radiation oncologists, medical oncologists, neuroradiologists, head and neck pathologists and speech and language pathologists.

Primary tumors (benign and malignant) of the upper trachea and larynx
Advanced thyroid carcinoma with laryngeal and upper tracheal involvement
Upper tracheal and subglottic stenosis
Radionecrosis of the upper trachea and larynx
Complications of tracheostomy dependence

Jamail Specialty Care Center
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Houston, TX 77030
(713) 798-5900

Make a Gift

Your gift to the Lung Institute will help pioneer new procedures and technologies, advance medical research, improve the quality of patient care and train the next generation of surgeons, educators and innovators. Thank you for your generosity.



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