Exceptional CARE
Innovative RESEARCH
Outstanding TRAINING
Our Mission

To provide the highest quality patient care,

to pursue novel research discoveries and

to train the next generation of physicians in allergy,
immunology, pulmonary, sleep and critical care medicine.
At the Allergy, Pulmonary and Critical Care Medicine Division in the University of Wisconsin School of Medicine and Public Health, we are proud to provide outstanding clinical care, conduct cutting edge research and offer highly specialized training through our fellowship programs. We have exciting initiatives that are building on our rich traditions of excellence in clinical care, research and education. As you read this report, I trust that you will share my enthusiasm for the accomplishments to date and for those to come.

The Division provides a wide range of clinical services from care of the critically ill, to patients with respiratory system and sleep disorders to patients with allergy and immunology conditions. The University of Wisconsin Hospital and Clinics is ranked among U.S. News and World Report’s Top Hospitals in pulmonary care, and several of our physicians are named among Best Doctors in America and Top Doctors in our region. These physicians collaborate with highly skilled nurses, respiratory therapists, pharmacists and colleagues from other disciplines to achieve outstanding results.

Our Advanced Pulmonary Service provides care for patients with cystic fibrosis, pulmonary hypertension and lung transplantation in collaboration with our thoracic surgery colleagues. We have a robust interventional pulmonary program offering patients access to the most innovative and minimally invasive procedures. We are partners in a multidisciplinary lung cancer program, a comprehensive severe asthma clinic and at the collaborative nationally recognized Wisconsin Sleep Center. We provide care to critically ill patients at Meriter Hospital, UW Hospital and the William S. Middleton Memorial Veterans Hospital. We extend our allergy and pulmonary services to the region through outreach clinics and our critical care expertise to area hospitals through a state-of-the-art virtual ICU program.

We offer comprehensive, highly specialized fellowship programs designed to train the next generation of pulmonologists, critical care specialists and allergists. In addition to a broad spectrum of clinical experience within a large, clinically diverse patient population, our Clinical Science Center features a multidisciplinary simulation center to further enhance educational opportunities.

Our Division has a rich tradition of research excellence. We have conducted hundreds of studies over the past three decades to define the pathogenesis of asthma and best approaches to its therapy. These efforts have helped to develop new asthma medications and provide rationale for the guidelines on treating asthma. In addition, we have ongoing research programs in sleep disordered breathing, outcomes of patients following critical illness, pathogenesis of pulmonary hypertension, lung cancer, emphysema, cystic fibrosis and parenchymal lung diseases.

In the coming years, we have a remarkable opportunity to synergize our efforts in patient care, research and education, pursuing excellence, embracing innovation and creating excitement as we build a world-class Division.

Nizar N. Jarjour, MD
Delivering Exceptional Care

Highly skilled physicians at the University of Wisconsin School of Medicine and Public Health are committed to providing exceptional patient care in allergy, immunology, pulmonary, sleep and critical care medicine.

**Adult Allergy and Immunology**

The Division’s allergy and immunology physicians provide care for patients with asthma, allergy and immunodeficiency syndromes. Faculty extend their expertise into the community with outreach clinics in Portage, Fort Atkinson, Beaver Dam, Dodgeville, Johnson Creek, Mauston and Richland Center giving patients access to high quality tertiary care within their own community.

The Division has launched an **Advanced Asthma Care Clinic** to provide more timely access to a multi-disciplinary severe asthma care team including allergists, pulmonologists and pharmacists to improve asthma care in the community and to reduce severe exacerbations and health care utilization. To achieve these goals, the clinic provides patient education, control monitoring, compliance assessment, written action plans and a protocol-based approach to comprehensive evaluation of potential ancillary diagnoses. The physicians work to understand the individual patient’s asthma phenotype, optimize therapy and offer opportunities for participation in asthma clinical trials at the leading edge of current practice.

**Pulmonary and Critical Care**

UW Health pulmonary and critical care physicians provide a comprehensive approach to the diagnosis and management of respiratory system disorders, critical illness and sleep disordered breathing. In 2006 the **Advanced Pulmonary Service** was established. A team of highly qualified pulmonologists and advanced practice providers collaborate with physicians from...
Dr. Jeffrey Grossman rounds with residents in the critical care service.

thoracic surgery and other specialties to care for lung transplant recipients, cystic fibrosis, pulmonary hypertension and other pulmonary disorders.

Outpatient pulmonary clinics are held at the UW Hospital and Clinics and the UW Medical Foundation Atrium. The pulmonary consultation service and subspecialty outpatient clinics provide resources for diagnosis and management of patients with lung disease. Special clinical expertise has been assembled to serve patients with asthma, chronic obstructive pulmonary disease, cystic fibrosis, sleep disorders, interstitial lung disease, lung cancer, lung transplantation, infectious diseases of the lungs and pulmonary vascular disease. The Division also extends its expertise into the community with outreach clinics in Richland Center, Fort Atkinson and Watertown Regional Medical Center, providing patients the opportunity to see UW Health specialists without traveling to Madison.

Diagnostic procedures include fiberoptic bronchoscopy with transbronchial lung biopsy and bronchoalveolar lavage, pleural biopsy, pulmonary function testing, cardiopulmonary exercise and a range of sleep testing from in-lab polysomnography to home sleep apnea testing and overnight oximetry studies.

Cystic Fibrosis

The UW Hospital and Clinics is the only center in South Central Wisconsin accredited as a CF Care Center by the Cystic Fibrosis Foundation (CFF) and serves both adult and pediatric patients. The Adult CF Clinic follows more than 100 patients who have not received a lung transplant and 50 patients who have received a transplant. The clinical team offers a comprehensive approach to care and includes a CF adult program coordinator, a dedicated pharmacist, nutritionist, social worker and respiratory therapist. In addition to routine care, a number of CFF sponsored clinical trials are conducted at this center. The clinic hosts support groups for both patients and their family members/partners and has recently created a CF Advisory Board that includes patient representation to assist with further development of the CF Program.
Interventional Pulmonology

Interventional Pulmonology at the University of Wisconsin employs state-of-the-art techniques via both flexible and rigid bronchoscopy for the diagnosis and treatment of complex pulmonary diseases. Advanced diagnostic methods also include minimally invasive biopsy of pulmonary nodules and mediastinal lesions using electromagnetic navigational bronchoscopy, endobronchial ultrasound guided bronchoscopy (EBUS), ultrathin bronchoscopy and fluorescence bronchoscopy. Advanced pleural disease management is provided through ultrasound-guided thoracentesis, tube thoracoscopy, tunneled pleural catheter placement and medical thoracoscopy. Advanced therapeutic techniques include electrocautery, cryotherapy, argon plasma coagulation, laser, stent placement, balloon dilatation and percutaneous tracheostomy. The program provides multidisciplinary care through close collaborations with oncology, otolaryngology, thoracic surgery and chest radiology. It is also active in clinical and basic research with current protocols in bronchial thermoplasty, endoscopic lung volume reduction, lung cancer cell biology and ablative therapies for lung cancer.

Interstitial Lung Disease

Nationally recognized expert faculty share a clinical focus on Interstitial Lung Disease (ILD). In addition, faculty participate in a number of international, multi-center clinical trials of novel therapies for the treatment of idiopathic pulmonary fibrosis (IPF). On average, five new patients are referred weekly for consideration of participation in clinical trials and/or transplant evaluation. The monthly multidisciplinary ILD case-based teaching conference is coordinated with colleagues in thoracic radiology and pathology.
Nurse Practitioner Brooke LaChance discusses a case with Dr. J Scott Ferguson in the Pulmonary Clinic.

Multidisciplinary Thoracic Oncology
The Multidisciplinary Thoracic Oncology Program includes physicians from Pulmonary Medicine, Medical Oncology, Radiation Oncology and Thoracic Surgery. Members meet weekly for a multidisciplinary clinic and lung cancer tumor board. The physicians provide comprehensive diagnostic evaluations of patients suspected of having lung cancer, perform endobronchial ultrasound for staging, evaluate individuals with chemotherapy and radiation therapy related pulmonary toxicities and participate in multidisciplinary-centered care of lung cancer patients.

Lung Transplant
The Lung Transplant Program, established in 1988, is the only Medicare-certified program in Wisconsin. Nearly 600 lung or heart-lung transplants have been performed for patients with end-stage lung disease. Faculty collaborate with the transplant surgeons and other specialists in the pre- and post- transplant care to maximize patient outcomes. The exceptional results represent an overall long-term survival rate of over 60 percent at five years, with many long-term survivors who have experienced excellent quality of life for more than 20 years post-transplantation and performance significantly better than national average on measures including length of stay and deaths on waitlist. The UW Hospital and Clinics serves as the lung transplant center for the Veterans Affairs health system. All veterans are evaluated for lung transplant and receive their transplants at UW Hospital and Clinics.

Pulmonary Hypertension
Established in 2006, the Pulmonary Hypertension Clinic has grown to a regional referral center for patients with this rare disorder that, without treatment leads to right heart failure and death. Several classes of medications have become available for these patients including prostanoids, endothelin receptor antagonists and phosphodiesterase inhibitors; however, lung transplantation remains the ultimate therapeutic option for those who fail medical therapy. Expert management is essential to educate patients about their disease and treatment options, minimize complications and assist them in addressing insurance issues related to the use of these expensive therapies.
Collaborating with Pediatric and Adult Cardiology, Rheumatology, Cardiothoracic Surgery and Hepatology, UW Health providers share their expertise in the management of pulmonary hypertension with local physicians in a team approach to patient care.

Sleep Medicine

The pulmonary-sleep specialists provide comprehensive services in the assessment and management of sleep disorders including sleep apnea, snoring and chronic respiratory failure at the Wisconsin Sleep Center, the William S. Middleton Memorial Veterans Hospital, Fort Atkinson Memorial Hospital and Watertown Regional Medical Center. With faculty expertise and the latest in sleep technology, the sleep medicine program helps patients improve not only the quality of their sleep, but ultimately the quality of their lives.

Critical Care

The Division provides critical and acute care services through a number of venues including a multi-disciplinary medical-surgical intensive care unit, community hospital ICUs, and through the use of highly advanced technology to reach patients across the region.

The Critical Care services at the University of Wisconsin Hospital and Clinics care for patients in several intensive care units, the largest of which is a 24 bed multi-disciplinary medical-surgical intensive care unit. The service takes pride in its collaborative care model which includes nurses, respiratory therapists, pharmacists, nutritionists and social workers.

The faculty also provides critical care services in the community setting at the ICU at Meriter Hospital, a 450 bed tertiary care hospital, with responsibility for the internal medicine teaching service. Additionally, our staff provides acute care services for patients with respiratory problems at Select Specialty Hospital, a long-term acute care
facility in Madison, WI. The acute care service is co-managed by a team of physicians and nurse practitioners. TeleICU is a service staffed by critical care physicians and nurses utilizing advanced technology to monitor patients and communicate with the bedside care team at regional hospitals to ensure best possible outcomes. The TeleICU team reviews and analyzes patient information including vital signs, lab results and x-rays around the clock to provide consultation, direct care and support to bedside doctors and medical staff.

Currently, TeleICU monitors 86 beds in five hospitals. Recent data shows that while patient acuity has increased over time, mortality and length of stay ratios have decreased, a testament to the program’s success at improving outcomes.

University of Wisconsin Medical Foundation Atrium Clinic

UW faculty staff a busy pulmonary specialty clinic at UWMF Atrium. General pulmonary problems, pulmonary function testing, diagnostic stress testing and bronchoscopy procedures are performed with a strong focus on patient centered care.
Nationally Recognized Research

The Allergy, Pulmonary and Critical Care Medicine Division at the UW School of Medicine and Public Health has ongoing basic and clinical research programs in a broad spectrum of disciplines including asthma and allergic diseases, cystic fibrosis, pulmonary hypertension, interstitial lung diseases, lung cancer and interventional pulmonology. The following are highlights of several ongoing research programs.

Asthma

Nationally recognized Division faculty lead one of the premier asthma research programs in the country. Their efforts are supported in large part by federal funding of nearly $100 million. For more than thirty years, the team has studied various aspects of asthma and other respiratory diseases including the role of genetics in asthma, treatment of asthma in adults and children, the role of allergy and inflammation and how colds affect asthma initiation, exacerbations and severity. These efforts have helped to develop new medications and establish guidelines for treating asthma. The program project grant on the Role of Eosinophils in Airway Inflammation and Remodeling, funded by the National Heart, Lung and Blood Institute (NHLBI), recently entered its fourth funding cycle. Under the direction of Dr. Nizar Jarjour, this program is investigating how eosinophils interact with both lymphocytes and fibroblasts to influence airway remodeling, how the activation of eosinophil integrin receptors directs to their extravasation into the airway and the role of a peptidyl-prolyl isomerase, Pin-1, role in regulating eosinophil activation.

Researchers have also been involved with the NHLBI’s Severe Asthma Research Program (SARP) since its inception more than a decade ago. This multi-center network is focused on identifying factors that contribute to the development of severe asthma to help guide new approaches to therapy. Dr. Nizar Jarjour is the Principal Investigator for the Wisconsin center and is interested in the...
Dr. Nizar Jarjour examines a bronchial biopsy sample with Jami Hauer, BS, a technician in his laboratory.

role asthma exacerbations play in worsening asthma severity. State of the art imaging techniques (CT scans and MRI) along with pulmonary functions and a host of biologic tests will provide new insights into changes in lung function and structure following exacerbations. In addition, Dr. Loren Denlinger is studying the role of airway lipid metabolites in the resolution of exacerbations experienced in these patients.

Funded by the NHLBI, AsthmaNet is a multi-center grant to design, implement, and conduct asthma treatment trials in both children and adults. Current studies are evaluating the role of vitamin D as an add-on therapy, the benefits of azithromycin for preventing lower respiratory tract symptoms in children suffering from upper respiratory tract illness and the role of oral corticosteroids in treating episodes of lower respiratory tract symptoms in children. Drs. Robert Lemanske and Christine Sorkness lead the AsthmaNet Center at the University of Wisconsin Hospital and Clinics and Dr. William Busse serves as Chair of the AsthmaNet Steering Committee. Childhood Origins of Asthma (COAST) is a program project grant funded by the NHLBI and led by Dr. Robert Lemanske. This grant, entering its fourth cycle, focuses on the contributions of both genetic (atopy) and environmental (viral infections) factors on the origins of asthma and allergic disease in a Wisconsin birth cohort of nearly 300 children who have been followed for 10-15 years. The Asthma and Allergic Diseases Cooperative Research Center (AADCRC) is a cooperative research grant lead by Dr. James Gern and funded by the National Institute of Allergy and Infectious Diseases (NIAID) to study the mechanisms and environmental determinants of rhinovirus illness severity and relationship of early childhood wheezing illnesses to the subsequent development of asthma. The AADCRC investigators utilize extensive clinical samples, broad expertise and conceptual advances to identify new targets for the treatment and prevention of rhinovirus infections and how they relate to lower respiratory tract dysfunction.

In 2002, the NIAID created the Inner City Asthma Consortium (ICAC) awarding Dr. William Busse and collaborators Drs. Christine Sorkness and James Gern a major contract, which was renewed in 2009. This multi-study, multi-center initiative is charged with examining the causes of the urban asthma epidemic among children and to develop treatments to improve control of asthma in this population and for children with asthma in general. Major findings thus far include identifying environmental factors in asthma development, asthma epigenetics, seasonal and viral interactions related to asthma exacerbations, allergen immunotherapy and asthma phenotyping.
Cystic Fibrosis

The Adult Cystic Fibrosis Program is funded by the Cystic Fibrosis Foundation (CFF) as a Translation & Development Network site. Dr. Keith Meyer leads several CF clinical research projects focusing on new therapies targeting airway inflammation, infection and the function of the cystic fibrosis transmembrane regulator (CFTR). Other investigator-initiated basic and clinical research projects include the role of gastroesophageal reflux in CF lung disease and the role of annexins and phospholipases in lung inflammation.

Interstitial Lung Disease

Idiopathic pulmonary fibrosis (IPF) is a progressive, deadly disorder that has no proven therapy. Dr. Nathan Sandbo leads a research team seeking to elucidate the molecular pathways which mediate fibrotic lung diseases, such as IPF, to help identify new targets for therapy. Areas of ongoing investigations include: elucidation of signaling pathways that mediate myofibroblast differentiation and function and the role of certain transcription factors in fibroblast activation. In addition, Dr. Keith Meyer is leading a number of multi-center clinical trials that are evaluating novel drug therapies for IPF.
Sleep

Dr. Miheala Teodorescu is conducting sleep research studies evaluating the relationship of asthma to changes in the upper airway which can predispose patients to obstructive sleep apnea. In addition she is investigating the interaction between clinically demonstrated sleep apnea and changes in lower airway function and inflammation during sleep and/or wakefulness in patients with obstructive airway diseases including asthma and COPD.

Critical Care

Dr. William Ehlenbach leads a health services research program in critical care. He is currently investigating the association between critical illness, therapies for critical illness and functional and cognitive outcomes among older adults surviving a critical illness. He also studies outcomes after in-hospital CPR and palliative care delivery in the ICU. His work is funded by a Paul Beeson Career Development Award in Aging Research, funded by the National Institute on Aging.
### Federal Grants Held by Division Faculty

<table>
<thead>
<tr>
<th>PI</th>
<th>Sponsor</th>
<th>Title</th>
<th>Award</th>
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<tr>
<td>William Busse, MD</td>
<td>NIAID</td>
<td>Inner-City Asthma Consortium</td>
<td>$56,289,912</td>
<td>9/30/2009</td>
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<td></td>
<td>NHLBI</td>
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<td>$368,184</td>
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<td>Loren Denlinger, MD, PhD</td>
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<td>William Ehlenbach, MD, MS</td>
<td>NIAID</td>
<td>Cognitive Outcomes in Older Adults following Critical Illness</td>
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<td>James Gern, MD</td>
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<td>NIAID</td>
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<td>Nizar Jarjour, MD</td>
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<td>Role of Eosinophils in Airway Inflammation and Remodeling</td>
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<td>Robert Lemanske, Jr, MD</td>
<td>NHLBI</td>
<td>COAST III - Rhinovirus Infection and Childhood Asthma</td>
<td>$10,634,358</td>
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<td>Robert Lemanske, Jr, MD, and Xin Sun, PhD</td>
<td>NHLBI</td>
<td>Effects of Viral Infection on Lung Development</td>
<td>$2,011,007</td>
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<td>Nathan Sandbo, MD</td>
<td>NHLBI</td>
<td>Signaling Pathways Regulating Serum Response Factor in Pulmonary Fibrosis</td>
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<td>Mihaela Teodorescu, MD, MS</td>
<td>VA</td>
<td>Inhaled Fluticasone Effects on Upper Airway Patency in Obstructive Lung Disease</td>
<td>$650,000</td>
<td>3/20/2012</td>
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The Division is proud to be home to a nationally renowned research team whose innovative science leads to novel discoveries and improves patients’ lives in Wisconsin and beyond.
Training Tomorrow’s Physicians

The Division provides specialty training for physicians through the American College for Graduate Medical Education (ACGME) accredited fellowships in both Allergy & Immunology and Pulmonary & Critical Care Medicine. These programs meet the highest standards in education, clinical care and research, while emphasizing the development of the skills and attributes necessary to become highly competent clinicians and encouraging exploration of the science underlying these fields.

The mission of the Allergy & Immunology Fellowship Training Program is to provide state-of-the-art clinical training in allergy and immunology, to develop physician scientists with a solid foundation in the principles of clinical and translational research and to provide fellows with leadership skills and career development in both academic medicine and clinical practice. The training program is a three-year fellowship, funded in part through a NIH T-32 training grant. The program typically accepts two to three fellows per year.

Program faculty members are recognized internationally for extensive experience in teaching, research and leadership. Fellows are integral and active participants in the design of the fellowship curriculum, teaching and patient care. Fellows have multiple opportunities for research in allergic diseases and asthma including asthma pathogenesis and treatment, origins of childhood allergies and asthma, eosinophilic inflammation, role of viruses in onset and exacerbation of asthma and immunologic tolerance. Multiple educational resources are available through collaborative efforts with the UW Institute for Clinical and Translational Research, including Capstone programs in Clinical and Translational Research and a Masters program in Clinical Investigation.

Daily rounding is a cornerstone of outstanding educational and training opportunities for UW residents and fellows.
The Fellowship Programs offer several weekly conferences. Here faculty and fellows participate in the fellow-led weekly Chest Conference. Faculty from Radiology, Pathology and Thoracic Surgery participate in this conference along with colleagues from Pulmonary and Critical Care Medicine.

The overall goal of the **Pulmonary and Critical Care Fellowship** is to provide the environment, patient population and resources for training and experience at a level sufficiently advanced for the fellows to achieve the competencies required of a subspecialist in both Pulmonary Disease and Critical Care Medicine. The specific program content and direction follow guidelines provided by the ACGME. The program is at the leading edge of programs across the country in developing new educational assessment tools to meet the expectations of the Next Accreditation System from the ACGME. This program typically accepts two to three new fellows each year.

The University of Wisconsin Hospital and Clinics and the William S. Middleton Memorial Veterans Hospital are large and serve clinically diverse patient populations. Through a combination of didactic lectures, clinical conferences, journal clubs and clinical experience, fellows gain extensive experience with obstructive lung diseases, interstitial lung diseases, disorders of the pleura and mediastinum, thoracic malignancy, complications of immunosuppression and lung transplantation, acute and chronic respiratory failure, genetic and developmental disorders and sleep disorders. Critical care experience is centered in the Critical Care Service at the University of Wisconsin Hospital, with additional experiences obtained in the Medical and Surgical ICUs at the VA Hospital and the Surgical ICU services including neurosurgical, acute care surgery and trauma.

The Pulmonary and Critical Care educational program provides a broad spectrum of clinical experience in a wide variety of pulmonary diseases, which include opportunities to evaluate and manage patients in the inpatient and outpatient settings and to assume continuing responsibility for both acute and chronically ill patients. Emphasis is placed on the correlation of pulmonary physiology with clinical disease and on the role of medical and other therapies in altering patient symptoms and the natural history of pulmonary disorders. Unique aspects of our program include training in lung transplantation, training in advanced diagnostic bronchoscopy, extensive exposure to all aspects of interventional pulmonology and in-depth learning opportunities in the areas of interstitial lung disease, sleep, asthma and pulmonary arterial hypertension.

The educational program provides opportunities to evaluate and manage critically-ill medical and surgical patients with a wide variety of disorders, with opportunities to assume primary responsibility for patient care in the medical ICU setting. The fellows are actively engaged in developing and managing Quality Improvement projects in the ICU setting.
Allergy and Clinical Immunology Faculty

William W Busse, MD  
Professor of Medicine

James E Gern, MD  
Professor of Pediatrics and Medicine

Sujani S Kakumanu, MD  
Clinical Assistant Professor of Pediatrics and Medicine

John T Kelly, MD  
Clinical Assistant Professor of Medicine

Robert J Kriz, MD  
Clinical Associate Professor of Medicine

Robert F Lemanske Jr, MD  
Professor of Pediatrics and Medicine

Sameer K Mathur, MD, PhD  
Associate Professor of Medicine

Mark H Moss, MD  
Associate Professor of Medicine

Thomas C Puchner, MD  
Clinical Assistant Professor of Medicine

Christine M Seroogy, MD  
Associate Professor of Pediatrics

Christine A Sorkness, PharmD  
Professor of Pharmacy and Medicine

Ronald L Sorkness, PhD, RPh  
Professor of Pharmacy and Medicine

Ravi K Viswanathan MD  
Assistant Professor of Medicine

Advanced Practice Provider

Mary Love-Patton, NP
Pulmonary and Critical Care Faculty

Steven E Cattapan, MD
Clinical Associate Professor of Medicine

J Scott Ferguson, MD
Associate Professor of Medicine

Daniel E Cole, MD
Clinical Assistant Professor of Medicine

Jeffrey E Grossman, MD
Professor of Medicine and Anesthesiology

Richard D Cornwell, MD
Associate Professor of Medicine

Ellie Golestanian, MD
Clinical Assistant Professor of Medicine

Douglas B Coursin, MD
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Katherine S Habeeb, MD
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Donita R Croft, MD, MS
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Trina Hollatz, MD
Assistant Professor of Medicine

Guillermo A do Pico, MD
Emeritus Professor of Medicine

Nizar N Jarjour, MD
Professor of Medicine

Patrick A Dowling, MD
Clinical Assistant Professor of Medicine

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Associate Professor of Anesthesiology and Medicine

William J Ehlenbach, MD, MS
Assistant Professor of Medicine

Mary E Klink, MD
Clinical Associate Professor of Medicine
### Faculty and Staff

#### Pulmonary and Critical Care Faculty (continued)

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Title and Department</th>
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<tbody>
<tr>
<td>Sally A Kraft, MD, MPH</td>
<td>Clinical Associate Professor of Medicine</td>
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<tr>
<td>Mark S Lingenfelter, MD</td>
<td>Clinical Assistant Professor of Medicine</td>
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<tr>
<td>Dennis Maki, MD</td>
<td>Emeritus Professor of Medicine</td>
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<tr>
<td>James D Maloney, MD</td>
<td>Associate Professor of Surgery and Medicine</td>
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<tr>
<td>Kevin S McAllister, MD</td>
<td>Clinical Assistant Professor of Medicine</td>
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<tr>
<td>John G McCartney, MD</td>
<td>Clinical Assistant Professor of Medicine</td>
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<tr>
<td>Joseph P McMahon, MD</td>
<td>Clinical Associate Professor of Medicine</td>
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<tr>
<td>Keith C Meyer, MD</td>
<td>Professor of Medicine</td>
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<tr>
<td>Mark S Regan, MD</td>
<td>Associate Professor of Medicine</td>
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<tr>
<td>James R Runo, MD</td>
<td>Associate Professor of Medicine</td>
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<tr>
<td>Nathan K Sandbo, MD</td>
<td>Assistant Professor of Medicine</td>
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<tr>
<td>David A Sonetti, MD</td>
<td>Assistant Professor of Medicine</td>
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<tr>
<td>John P Schilling, MD</td>
<td>Clinical Professor of Medicine</td>
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<tr>
<td>Mihaela Teodorescu, MD, MS</td>
<td>Associate Professor of Medicine</td>
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<tr>
<td>Lyn A Thet, MD</td>
<td>Associate Professor of Medicine</td>
</tr>
<tr>
<td>Charles A Weber, MD</td>
<td>Clinical Professor of Medicine</td>
</tr>
<tr>
<td>Jeffrey E Wells, MD</td>
<td>Associate Professor of Medicine</td>
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</tbody>
</table>
Advanced Practice Providers

Erin Billmeyer, ANP-BC

Amy Chybowski, APNP

Courtney Hoy, APNP

Brooke LaChance, ANP-BC

Tiffany Mack, PA-C

Kathryn Puls, APNP

Tatyana Risch, APNP

Ann Tomashek, APNP

No Photograph Available –
Tanya Haney, APNP
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Keith Meyer, MD
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Photograph on inside back cover: Barb Miller, RN, Tiffany Huard, CCRC, Ann Sexton, MPH, CCRC and Dr. Christine Sorkness, members of the Adult AsthmaNet team.