

2016 / 2017

**Interventional Pulmonology
Fellowship Program**



serve heal
educate

To serve, to heal and to educate



Welcome



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Thank you for your interest in the Interventional Pulmonary Medicine Fellowship Program at Cooper University Hospital. Our program is one year in length and accepts two fellows per year.

Interventional Pulmonary (IP) Medicine is a subspecialty of Pulmonary and Critical Care Medicine focused on advanced diagnostic and therapeutic thoracic procedures, as well as a multi-disciplinary approach to the evaluation and management of complex airway, pleural and other thoracic diseases. Upon successful completion of an IP fellowship, physicians will be proficient in the performance of advanced diagnostic and therapeutic bronchoscopic and pleural procedures. The trainee will also acquire the knowledge and skills required to recognize, investigate, and manage patients with intrathoracic malignant and non-malignant diseases including central airway obstruction, mediastinal/hilar adenopathy, lung nodules/masses and pleural diseases.

Cooper University Hospital is the largest academic medical center (594-bed) and only level 1 trauma center in southern New Jersey. The medical center serves the needs of a broad patient population consisting of primary, secondary and tertiary medical care. Consumers and physicians recognize the system as being South Jersey's leading medical center. In annual surveys assessing the region's medical care, Cooper's physicians are frequently recognized as "Top Doctors" in their fields. These world-class physicians are the teachers with whom you will interact during your educational experience.

The Section of Interventional Pulmonology is part of the Division of Pulmonary and Critical Care Medicine which is a component of the Department of Medicine. The Department of Medicine at Cooper University Hospital (CUH) is comprised of 11 divisions and employs 193 full-time faculty members committed to delivering the finest care to patients as well as to providing the best education for our next generation of physicians.

Cooper University Hospital is the major clinical site of Cooper Medical School of Rowan University (CMSRU), which opened its doors to the first class of medical students in August 2012. All faculty and fellows are intimately involved in the education of CMSRU medical students. Interventional pulmonology faculty hold academic appointments at CMSRU and The University of Texas MD Anderson Cancer Center.

The following pages provide specific information about cardiovascular disease training at Cooper. We invite you to take the time to explore our program.

serve

Interventional Pulmonology Fellowship Program



The interventional pulmonary fellowship curriculum is structured to provide well-rounded training in all aspects of the specialty. Each fellow spends twelve full months continuously training on the interventional pulmonary medicine clinical service where fellows will obtain expertise in interventional procedures. In addition to clinical service, fellows spend time in both the interventional pulmonary and thoracic oncology outpatient clinic settings. An original research project relating to the field of interventional pulmonary medicine suitable for presentation at an international meeting is also an expected component of the training program.

Procedural Skill Obtained:

Advanced bronchoscopy (diagnostic and therapeutic)

- Rigid bronchoscopy
- Endobronchial ultrasound-guided -TBNA (radial and convex probe)
- Endoluminal therapies
 - Laser
 - Electrocautery
 - Argon plasma coagulation
 - Cryotherapy
 - Brachytherapy
- Airway stents silicone, (silastic/metallic/dynamic Y/hybrid)
- Balloon tracheobronchoplasty
- Bronchial valve placement for prolonged air leak
- Navigational Bronchoscopy

Procedures for pleural disease

- Thoracic ultrasound
- Thoracentesis
- Thoracic percutaneous needle/core biopsy
- Tube thoracoscopy/pleural catheter, non-tunneled
- Tunneled pleural catheter
- Pleuroscopy, pleural biopsies and pleurodesis

Other

- Percutaneous dilational tracheotomy
- Transtracheal oxygen catheter
- Bronchial Thermoplasty (planned 2016)

Educational Conferences/Activities



Cooper prides itself on tradition. For over 120 years, patients from Camden and the surrounding communities have come to Cooper University Hospital to receive a comprehensive range of health care services, including the highest level of tertiary care in the region.

CooperHealth.edu

Conferences are held regularly and include the following:

Didactic Lecture Series

Monday 12:00 pm

Twice a month a faculty member gives a formal didactic lecture on topics related to interventional pulmonology

Case Management Conference

Friday 12:00 pm

Once a week, one or two cases that pose a diagnostic dilemma or have unusual findings are presented by fellows who then discuss a review of the literature.

Research Conference

Monday 12:00 pm

Quarterly conference where fellows present their research project to the faculty and other fellows. This gives an opportunity to seek additional help with any problems they may be having with their projects and to receive further constructive criticism.

Board Review

Monday 12:00 pm

Monthly interactive sessions, ABIM style questions are used to stimulate discussion of all pertinent aspects of a particular topic. This includes pathophysiology, epidemiology, clinical manifestations, diagnostic approach, prognosis and evidence-based management of relevant disease processes.

Journal Club

Monday 12:00 pm

Monthly. All fellows present at each journal club. The first half hour is for brief presentations of recent journal articles by fellows and attendings. The second half hour one fellow presents an article in depth followed by a discussion.

Multidisciplinary Thoracic Tumor Board Conference

Wednesday 1:00 pm

Mortality & Morbidity Conference

Monday 12:00 pm

Quarterly conference

educate

Research



While training at Cooper University Hospital, fellows are given an opportunity to participate in clinical and basic translation research. With the help of faculty mentors, fellows develop IRB proposals, and write grants and manuscripts for publication. There are vast resources which are available to facilitate scholarly pursuits.

Cooper Research Institute

Through basic and clinical research, faculty at Cooper University Hospital are bringing scientific discoveries to life with access to cutting-edge treatments in fields such as oncology, cardiology, critical care, diabetes, and gene therapy. Cooper faculty members currently conduct over 400 National Institutes of Health (NIH) and industry-sponsored clinical trials each year. In South Jersey, many of these are only available at Cooper. The campus now holds about 46 NIH and federal grants and nearly \$30,000,000 in aggregate research funding, making it number one among the regional medical campuses in the country. Past research by Cooper faculty has led to new standards of care and novel therapies in fields such as oncology, cardiology, surgery and orthopaedics.

Coriell Institute of Medical Research

The Coriell Institute for Medical Research is an independent, not-for-profit research organization dedicated to understanding human genetic diseases and providing the highest quality genetic resources. Its affiliation with Cooper University Hospital provides an excellent opportunity to our residents to participate in a variety of basic science research.

How to Apply



Contact Information

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401 Haddon Avenue
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Camden, NJ 08103

The Interventional Pulmonary Fellowship Program at Cooper University Hospital participates in the electronic Interventional Pulmonary Fellowship Application System® (IPFAS). All applications are processed through this system without exception. Information regarding the application process and timeline is available on the website listed below.

Association of Interventional Pulmonary Program Directors

www.aipd.org

Application Requirements

- Three (3) Letters of Recommendation
- Personal Statement
- Medical School Transcript
- Medical Student Performance Evaluation/Dean's Letter
- Color Photograph-wallet size
- USMLE Transcripts
- Curriculum vitae
- Demonstrated research and clinical interest in interventional pulmonology
- Applicants need to have or must obtain a New Jersey Medical License

Program Eligibility

Eligibility for the interventional pulmonary fellowship program requires a minimum of six years of ACGME-accredited training in internal medicine and pulmonary/critical care medicine. Applicants must be ABIM Board certified in internal medicine and Board eligible in pulmonary/critical care medicine.

The application deadline for the upcoming academic year is August 31st.

The Cooper Campus and Surrounding Area



The expansion project at Cooper is a direct reflection of the growth in services that Cooper has experienced over the past several years.



It is extraordinary to have such a high concentration of leadership at one institution but, then, Cooper is an extraordinary hospital.

Cooper University Hospital is the center of a growing health science campus that includes the main hospital, Cooper Medical School of Rowan University, MD Anderson Cancer Center at Cooper, the internationally acclaimed Coriell Institute for Research, Three Cooper Plaza medical offices and the Ronald McDonald House.

Adjacent to the Cooper Plaza/Lanning Square neighborhood, Cooper has a long history of outreach and service efforts to its local community. Some of these initiatives include health and wellness programs for the neighborhood, development of three neighborhood parks and playground, and outreach to programs into local schools.

The Hospital's 312,000-square-foot, 10-story Roberts Pavilion houses state-of-the-art patient care facilities, including 120 private patient rooms, a 30-bed medical/surgical intensive care unit, 12 technologically advanced operating room suites with hybrid imaging capabilities, an advanced laboratory automation facility and a 14,000-square-foot Emergency Department. The Emergency Department features 25 beds, dedicated isolation suites and autonomous CT scanning technology. Two new floors in the Roberts Pavilion, each with 30 private patient rooms, opened in August 2014. The two floors are designed to serve specific patient populations with Pavilion 8 serving a growing advanced-care surgery patient population and Pavilion 9 serving the Cooper Heart Institute for hospitalized heart patients. The Pavilion features an expansive lobby and concourse, a restaurant and coffee shop, health resource center, business center, gift shop and chapel.

The Pavilion also houses the 25,000-square-foot Dr. Edward D. Viner Intensive Care Unit. A design showcase for patient and family-centered care, the unit features 30 private patient rooms equipped with the latest in advanced technology, and allowing 360-degree patient access. Five patient rooms are capable of negative pressure isolation, and five rooms have chambered isolation alcoves. In addition, an enlarged room with operating room caliber lighting is outfitted to perform bedside exploratory laparotomy in patients too unstable for transport to the operating room.

In 2013 Cooper celebrated the opening of MD Anderson Cancer Center at Cooper, the \$100 million, four-story, 103,050-square-foot center located on the Cooper Health Sciences Campus in Camden, dedicated to cancer prevention, detection, treatment and research. MD Anderson Cancer Center at Cooper offers South Jersey's only dedicated inpatient, 30-bed cancer unit adjacent to the new cancer center at Cooper University Hospital. The center includes bright, spacious chemotherapy treatment areas, patient exam rooms, conference centers and advanced diagnostic and treatment technologies. The designers incorporated an aesthetic approach to healing with abundant natural light, a rooftop Tranquility Garden, an illuminated floor-to-ceiling "Tree of Life" centerpiece and more than 100 pieces of original art created by 71 New Jersey artists.

The Cooper Campus and Surrounding Area *(continued)*



Cooper Medical School of Rowan University Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets in Camden. The new \$139 million building, which opened in July 2012, was designed for CMSRU's curriculum with spaces and technologies to support faculty and students in their educational process. In 2012, CMSRU welcomed the class of 2016 with 50 students

The Cooper campus is located in the heart of the Camden's business district. The academic medical center campus is easily accessible by car or public transportation—the commuter high-speed line and bus terminal are located a half-block from the campus. Cooper is a short walk or drive from the exciting Camden waterfront where the New Jersey State Aquarium, the River Sharks stadium, the USS New Jersey and Susquehanna Bank Center are located.

Cooper is conveniently close to Philadelphia. Just a mile-long drive over the Benjamin Franklin Bridge or a ferry boat ride will put you at the doorstep of Philadelphia's cultural, culinary and historic venues.

South Jersey also offers a range of living and entertainment options. Quaint towns such as Haddonfield and Collingswood are just 10 minutes away. The lights and action of Atlantic City and those other popular beach towns such as Cape May and Ocean City are a one-hour drive from Cooper.

Cooper Campus Map



The most up-to-date directions to Cooper University Hospital are available at:
CooperHealth.org/Directions



World Class Care. Right Here. Right Now.

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Chairman
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Adrienne Kirby, PhD
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