

University of Cincinnati College of Medicine

Focused Educational Experience in Pulmonary, Critical Care, and Sleep Medicine

The University of Cincinnati Division of Pulmonary, Critical Care and Sleep Medicine is recognized as a national leader in education, research and clinical medicine and provides a wide range of experiences for prospective learners.

Research

Areas of particular interest to the faculty include asthma, innate immunity, cystic fibrosis, critical care, rare lung disorders, health care outcomes, emphysema, interstitial lung disease, sleep disorders and lung cancer and interventional pulmonary medicine. The division has a strong record of extramural funding from the National Institutes of Health (NIH), the U.S. Department of Veterans Affairs, the Department of Defense, the Food and Drug Administration, the American Lung Association, the American Heart Association and elsewhere to support top-level basic and translational research into the mechanisms of these diseases.

Clinical Medicine

The division consists of 40 full-time physicians and basic scientists engaged in research, teaching and patient care. Most of these activities take place at the UCCOM Medical Sciences Building, Cincinnati Children's Hospital Medical Center, University Hospital, Cincinnati Veterans Affairs (VA) Medical Center, West Chester Hospital, Drake Center, and UC Health offices in Clifton and West Chester.

We are pleased to provide one to two medical students per year with an immersive educational experience. The student will have the opportunity to work with and be mentored by a faculty member in the Division of Pulmonary, Critical Care and Sleep Medicine as well as to participate in specially selected educational experiences within the division. The details of the four-year experience are outlined below.

General Description

The Specialized Track in Pulmonary/CC Medicine allows two students per year to enrich their COM educational experience over a four-year period with opportunities in the classroom, the clinical setting, the procedural setting and in either basic or clinical research. The student will engage in a mentoring relationship with a faculty member in the division and complete a scholarly project. A curriculum as outlined below will be adapted from existing educational opportunities to include the student at the appropriate learning level. In addition, the student will have unique opportunities and access to more specialized areas of pulmonary medicine that are typically available only at the level of a clinical fellow.

Learning Outcomes

1. Nurture a mentoring relationship with a division attending as well as fellows and internal medicine residents.
2. Explore pulmonary and critical care medicine as a possible career path and begin to understand the depth and focus of a subspecialty in internal medicine.
3. Develop communication skills and become proficient in the use of specialized clinical vocabulary used in pulmonary and critical care medicine.
4. Gain exposure and beginning facility with the specialized procedures and clinical technology used primarily in this discipline.

5. Enrich clinical experience in internal medicine with experiences focused on the care of the patient with these issues.
6. Complete a scholarly project in a chosen area under the mentorship of a faculty member in the field.

Curriculum

Focused Educational Experience in Pulm/CC:

Year 1

Students will meet regularly with their faculty mentor. Dr. Chad Lampl will serve as a liaison to pair the student with a longitudinal mentor that they will meet with all 4 years of the program. Together, the student and their mentor will outline a plan for an enriched experience in pulmonary and critical care medicine that augments the student's first year of study. Depending upon the student's schedule, they may attend a variety of conferences, rounds, procedures and other activities at the VA and University Hospitals to include (but are not limited to):

- Pulmonary Grand Rounds
- Morbidity and Mortality Conference
- Critical Care Conference
- Fellows Conferences
- Chest Radiology Conference
- Interventional Pulmonary Conference
- Interstitial Lung Disease (ILD) Conference
- Pulmonary Journal Club
- Pulmonary Case Conference
- MICU, MSD or Consult and Rounds and Huddles
- Interventional Pulmonary Procedures
- Pulmonary Subspecialty Clinics

Conferences are available in-person and virtually. Students will be invited to daily educational conferences and will have virtual access via the current platform of choice. As students progress through their four years, they are encouraged to attend as many of these conferences and activities as their schedules allow.

Summer Experience

Between years 1 and 2, the student will participate in a minimum of 200 (5 weeks) work hours in a summer research experience under the direction of a faculty member. This experience will culminate in a project that could potentially result in an abstract at an institutional, regional, or national meeting, a medical or a scientific competition, or a publication. Dr. Lampl will help the student choose a project and a research mentor as the summer approaches. Funding/stipend for the summer has most recently been set at \$2500.

Year 2

Students will continue to meet with their mentors. Depending upon the students' schedules, they may attend the conferences or other activities listed above.

Year 3

Students will continue to meet with their mentors. This will include regular meetings with the MSSP specialty tract mentor (Dr. Lampl) and potentially their research mentor. Opportunities for publications and abstracts will be available. This includes opportunities to subject to regional meetings like the Ohio Chapter American College of Physicians (ACP) meeting in October of each year and international meetings like CHEST and the American Thoracic Society. The Department of Internal Medicine has been successful in mentoring students through the state abstract competition for almost a decade – winning either the gold or silver medals as a department for several years running. It is hoped that the relationship between the student and mentor will result in a letter of support for residency applications. The clinical and didactic conferences above will remain an option. There is a 2 week “selective” in Year 3 in the Medical ICU (MICU). This student will be given top priority for this selective if desired by the student. They may also continue to attend conferences or other activities listed above as their schedule allows. (Note that rotation opportunities may change as the medical school curriculum changes over the next couple years.)

Year 4

Students will continue to meet with their mentors, including the MSSP specialty tract mentor (Dr. Lampl) and potentially their research mentor. Also available for elective rotations in year 4 are the Medical ICU (MICU) and the Pulmonary Consult service at UCMC or the VAMC if the student chooses. Students may opt for their elective acting internship to be performed in the MICU. They may also continue to attend conferences or other activities listed above as their schedule allows. (Note that rotation opportunities may change as the medical school curriculum changes over the next couple years.)

Admission Criteria

Eligible students should have a strong interest in pursuing a residency in Internal Medicine. After the initial application process, only chosen students will be interviewed by Dr. Lampl or division faculty. Please do not contact the faculty outside of the designated process. Special consideration will be given to students who have already exhibited an interest in the field and who have demonstrated independent learning skills. Research experience is encouraged but not a requirement. To apply, click the following link to MedOneStop: www.medonestop.uc.edu. Once logged in, the application can be found under the Extracurricular tab named Medical Student Scholars Program (MSSP).

Evaluation

This experience is a mentored, self-directed learning experience. It is assumed that the student who embarks on this experience has considered their ability to complete enrichment activities outside of the required College of Medicine curriculum and thus no attendance accountability is planned as part of the adult learning process. Students will meet regularly with the faculty mentor, provide a written summary of activities since the last meeting, and provide verbal feedback on the opportunities that they participated in. Throughout their time, they will be expected to log required activities in MedOneStop to receive special commendation on graduation.

Mentor: Chad Lampl, MD

Administrative support: Annie Daniels

Minimum MSSP requirements over 4 years	
<i>Activity</i>	<i>Minimum time spent</i>
Didactics	15 hrs
Clinical experiences Shadowing/experiential opportunities M3 specialty elective M4 elective	10 hrs (not required) Course completion
Scholarship	200 hrs
Presentation of scholarly project*	1 presentation
Research 101 course	Course completion
Service (includes volunteering, committee membership, leadership roles)	8 hrs
Mentorship	N/A

*Presentation of project at UCCOM fall research symposium or other event
List of key research faculty available upon request.

Additional resources:

<https://med.uc.edu/intmed/divisions/pulmonary>
<https://med.uc.edu/intmed/divisions/pulmonary/research>

Last updated 1/30/2025