



Changing What's Possible

COLLEGE OF MEDICINE

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COLLEGE OF MEDICINE

Raymond N. DuBois, M.D., Ph.D.
Dean, College of Medicine

As the oldest medical school in the South, the MUSC College of Medicine has a history as rich as the city we call home. More important than our history, though, are the roles our faculty and graduates have in medicine today and in the future of health care. Through education, patient care and research, we are setting the course for the future of medicine in our state, while also making a global impact.

The MUSC values of compassion, collaboration, respect, integrity and innovation are nurtured every day by people who believe in each other and in Charleston, South Carolina and our global community. Founded in 1824 as the first medical institution in the southern United States, MUSC's main campus is located on more than 50 acres in the city of Charleston. Each year, the MUSC College of Medicine offers admission to a diverse class of medical students and Masters of Public Health (MPH) students, and trains numerous graduate students, residents and fellows. Our students consistently exceed the national pass rate on board exams and garner residency positions in the country's finest training programs.

As we seek to serve an increasingly diverse population, we are committed to creating an inclusive environment that fosters cultural understanding, cultural competency and opportunities for individuals of all backgrounds. With more than half of our graduates remaining in South Carolina, the college is an invaluable source of physicians for the citizens of our state. In addition to working closely with College of Medicine students and trainees, College of Medicine faculty support MUSC's clinical operations and are engaged in a wide range of basic, clinical and translational research activities.



1,500+
Employees



25
Departments, including
Basic Sciences and Clinical



88
Invention Disclosures
Filed in 2017



56
U.S. Patents Filed
in 2017

Patient care, education and research are equally important parts of our mission. As we look to the future, it is vital that we are able to translate our discoveries into treatments and interventions that will improve the health of those we serve. Through academic excellence, innovation and discovery, and a commitment to serving patients with the highest level of care, the college is changing what's possible in medical education, research and patient care.



1,300+
Faculty Members



700
Medical Students



700
Resident Physicians



120
Postdoctoral Trainees



40
MPH Students

EDUCATION

The college has more than 1300 faculty members who independently and collectively contribute to the education of future physicians and scientists. In addition to medical students, the college trains and educates graduate students, medical residents, and postdoctoral trainees. The college's Graduate Medical Education Office oversees more than 55 ACGME-accredited residency programs. The college also has a commitment to ongoing education of faculty, delivering a wide range of Continuing Medical Education opportunities each year.



DEGREES CONFERRED BY THE COLLEGE OF MEDICINE

Doctor of Medicine (M.D.) – The four-year program, which leads to an M.D. degree, is designed to provide the student with an educational experience that fully integrates basic and clinical science within a continuum of learning.

Medical Scientist Training Program (M.D./Ph.D.)

Administered in conjunction with the College of Graduate Studies, this course of study is specially tailored to meet the particular needs and research interests of the individual student. The curriculum sequence is coordinated to include basic science and clinical rotations in medical school, plus graduate education and sufficient time to conduct a significant research project leading to a Ph.D.

Master of Public Health (MPH) – The College of Medicine's Department of Public Health Sciences offers a Masters of Public Health degree with a concentration in Biostatistics, Epidemiology, or Health Behavior and Health Promotion.

In addition, multiple opportunities exist to earn a **Master of Science in Public Health**, a **Master of Science in Business Administration**, or a **Master of Science in Clinical Research** while in medical school, with the addition of one year in a flexible program of study.



RESEARCH

Research is an integral part of faculty, trainee and student pursuits in the College of Medicine. The College of Medicine again increased research funding in FY 2016, receiving a total of 1,018 research awards.



\$228M

Annual Research Funding

Overall extramural funding for research is currently \$228 million, with sources including corporate, federal, state, foundation and other funding.

COLLEGE OF MEDICINE RESEARCH

The research portfolio within the College of Medicine ranges from basic sciences and laboratory research to translational research and clinical trials, with faculty frequently publishing in high-impact medical journals and translating advances into new therapeutic applications.

Areas of significant emphasis in recent years have included **Brain & Behavior, Cancer, Cardiovascular, Genetics & Genomics, Microbiology & Immunology, Public Health Sciences, and Regenerative Medicine**. Looking to the future, the COM 2017 Research Strategic Plan lays the foundation to develop an integrated program around the theme of **Healthy Aging and Longevity**.

2014	\$77.5 NIH funding	\$184.9M total sponsored program funding
2015	\$78.9M NIH funding	\$211M total sponsored program funding
2016	\$96.5M NIH funding	\$228M total sponsored program funding

Clinical Care

The College of Medicine's faculty members support MUSC's clinical operations through MUSC Health, providing primary as well as tertiary/quaternary health services for citizens across the state. With 18 clinical departments, COM faculty members and other clinical staff provide in-patient and out-patient care at MUSC's main campus and satellite locations across South Carolina.



DIVERSITY

The College of Medicine's Group on Diversity Affairs works to enhance diversity among students, residents and faculty through programs designed to support underrepresented in medicine (URM) individuals. Initiatives include pipeline programs to provide exposure to medical careers to middle, high school and undergraduate students; mentoring programs for current medical students; mentoring programs for residents; and faculty programs that focus on various aspects of diversity.

- > The COM has emerged as a national leader in the recruitment, retention and graduation of URM students.
- > U.S. News and World Report recently ranked the COM 5th in the country for the number of African-American students enrolled in medical school (excluding Historically Black Colleges and Universities).
- > The COM ranks in the 97th percentile among U.S. medical schools for graduates who are African-American.
- > The number of minority faculty and residents has increased greatly in recent years; currently, 6.7 percent of faculty and 13 percent of residents are URM.



COMMUNITY OUTREACH

Students, faculty and staff from the College of Medicine are actively involved in a number of outreach initiatives, both as individuals and representatives of the College of Medicine.

Representative examples include:

- > The **MUSC CARES CLINIC** (Community Aid, Relief, Education, Support) – Innovative student-run free medical and therapy clinics for uninsured patients.
- > Participation in Global Health initiatives sponsored through MUSC's Center for Global Health and other community organizations.
- > The **Senior Mentor Program** connects medical students with people aged 65 and older. Students meet with senior mentors in their homes to learn in a non-clinical setting. This experience provides not only knowledge of aging, but has a positive effect on students' attitudes toward caring for older adults.



Contact Us | College of Medicine

- > Dean's Office, Clinical Sciences Building, Suite 601 843-792-2081
- > Admissions 843-792-3283
- > Continuing Medical Education 843-876-1925
- > Development 843-792-8276
- > Graduate Medical Education 843-792-2575
- > Research 843-792-4193

96 Jonathan Lucas Street Suite 601, MSC 617 Charleston, SC 29425	
Phone: 843-792-2081	musc.edu/com

THE MEDICAL UNIVERSITY OF SOUTH CAROLINA

Founded in 1824 in Charleston, The Medical University of South Carolina is the oldest medical school in the South. Today, MUSC continues the tradition of excellence in education, research, and patient care. MUSC educates and trains more than 3,000 students and 700 residents in six colleges (Dental Medicine, Graduate Studies, Health Professions, Medicine, Nursing, and Pharmacy), and has nearly 14,000 employees, including approximately 1,500 faculty members.

As the largest non-federal employer in Charleston, the university and its affiliates have collective annual budgets in excess of \$2.4 billion, with an annual economic impact of more than \$3.8 billion and annual research funding in excess of \$250 million. MUSC operates a 700-bed medical center, which includes a nationally recognized children's hospital, the Ashley River Tower (cardiovascular, digestive disease, and surgical oncology), Hollings Cancer Center (a National Cancer Institute-designated center), Level I trauma center, Institute of Psychiatry, and the state's only transplant center. In 2018, for the fourth consecutive year, U.S. News & World Report named MUSC Health the number one hospital in South Carolina.

For more information on academic programs or clinical services, visit musc.edu.

For more information on hospital patient services, visit muschealth.org.



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