

**Medical University of South Carolina and  
Medical University Hospital Authority  
Board of Trustees President's Report**  
**APRIL 2024**





# MUSC ENTERPRISE



■ The first MUSC All Alumni Weekend was a huge success with more than 900 alumni registered for events spanning three days; celebrations included a provost reception, a symposium, student-led campus tours, college-specific barbecues and an Alumni Bash.



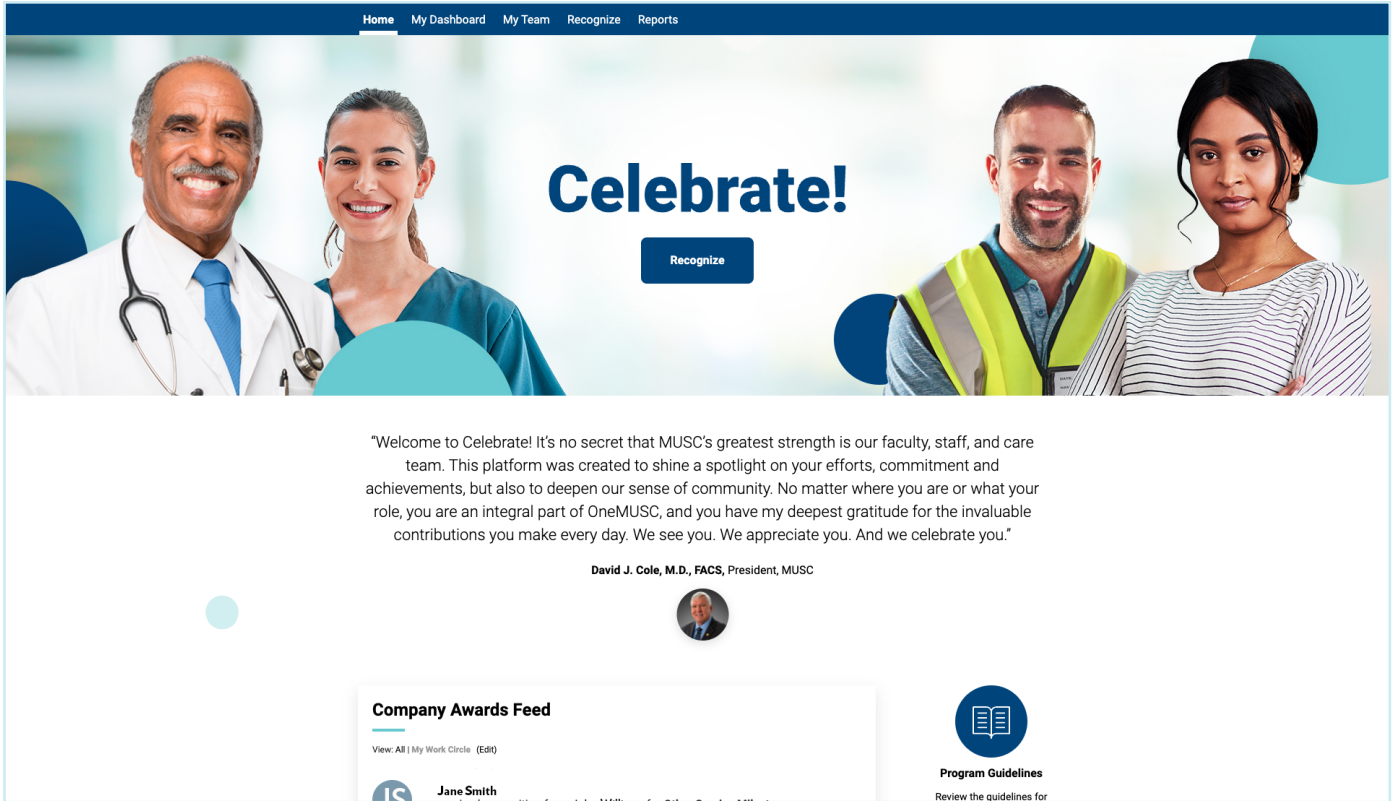
# MUSC ENTERPRISE

- An economist with the Darla Moore School of Business recently completed an Economic Impact Study for the Medical University of South Carolina stating that MUSC's total annual state economic impact is approximately \$10.1 billion. Also, he notes that MUSC plays an outsized role in the state's economy by:
  - Creating a healthier population and reducing the economic burden of disease. MUSC Health has 2.4 million patient encounters annually and delivers care in every county in the state. In some counties, like Marion, MUSC has served almost half of all residents.
  - Transforming care for South Carolinians; for example, \$26 million is saved annually thanks to early intervention and improved outcomes through the Telestroke program.
  - Supporting 52,698 jobs and enabling economic mobility through higher wage roles and a significant employment multiplier. MUSC employs more than 31,000 people, including 7,000 contract employees.
  - Training and retaining high-skilled graduates during a health care workforce shortage. There are 4,100 MUSC students and residents across six colleges, and MUSC is the only research university in the state that retains a majority of its students in state for at least five years.
  - Enabling research, innovation and startup companies. MUSC receives \$300 million in annual research awards. Over the past decade, MUSC has received 400 patents and supported 51 startup companies.
  - Driving direct and indirect economic activity that brings in \$237.3 million in annual tax revenue for the state of South Carolina.
- The College of Pharmacy (COP) Class of 2024 achieved a match rate of 77% during the American Society of Health-System Pharmacists (ASHP) National Match Service in March, once again scoring above the national average in the highly competitive world of pharmacy residency. Nearly 5,700 applicants participated.
- The College of Health Professions (CHP) celebrated the groundbreaking ceremony for a new six-story building, CHP-D, situated at 74 President Street, on December 1, 2023. During the ceremony, it was announced that Tina and Ricky Doscher made a made a \$10 million to the college - its largest philanthropic gift ever.



# MUSC ENTERPRISE

- MUSC launched its first enterprisewide employee rewards and recognition platform, Celebrate!, on December 1, 2023, to implement a single program to provide an inclusive and consistent experience for all MUSC employees. Since going live, there have been 10,000-plus recognitions given by employees and leaders across the MUSC enterprise.



- Information Solutions (IS) completed several significant systemwide projects, including migrating the entire MUSC website to Microsoft Azure Cloud. Additionally, IS implemented Epic Cosmos for Research and Epic Health Planet, both of which went live in March 2024. IS also transitioned the Service Desk to Nordic and finalized the Tideland's Epic implementation.

# ACADEMICS – EDUCATION

- The College of Medicine (COM) filled its inaugural class of eight residents at the first RHN residency program: Internal Medicine at Florence Medical Center. It also submitted the Accreditation Council for Graduate Medical Education (ACGME) accreditation application for the first program in Lancaster.
- The College of Graduate Studies (CGS) hosted the annual Ernest E. Just Symposium on February 23, 2024 to celebrate the life, scientific achievements and resilience of the eponymous scientist. Hundreds of regional undergraduates attended the annual symposium, which featured eminent national and local speakers as well as regional undergraduates given awards for their research.
- The CGS's NIH training grant, "Initiative for Maximizing Student Development," was renewed for an additional five years. This prestigious grant is focused on supporting Ph.D. or dual-degree students who are underrepresented, disadvantaged or who have disabilities. The grant also provides a training community that is crucial for recruitment and retaining these students.
- Andrea Shrader, an administrative coordinator in the COM, was recently recognized as one of the top clerkship coordinators in the country by the Association of Professors of Gynecology and Oncology.
- The COM had a 100% residency match this March following SOAP: All 145 graduating students of the Class of 2024 secured residency positions. Internal Medicine had the highest number of students at 26 (17.9% of the graduating class). Other popular specialties included Anesthesia (12.4%), Emergency Medicine (9.7%), Pediatrics (9.7%), Family Medicine (8.3%), Obstetrics and Gynecology (5.5%) and Psychiatry (4.8%). A total of 51 (35.2%) students will remain in South Carolina to complete their residency trainings, with 41 (28.2%) of these students staying at MUSC. Nine students will enter military service.
- The Division of Population Oral Health launched its new Community Dental Health Coordination certificate program, a collaborative effort with the American Dental Association and S.C. Technical Colleges, designed for hygienists and dental assistants to address the unique social determinants of oral health for underserved communities.





# ACADEMICS – FACULTY



■ The first patient in Hollings Cancer Center’s (HCC) clinical trial purified CAR-T-cell therapy is recovering well at home and in remission. Hematologist Brian Hess, M.D., a lymphoma specialist at MUSC Health, and Shikhar Mehrotra, Ph.D., scientific director of the FACT-accredited Clean Cell Therapy Unit at MUSC, have partnered for almost three years to get this trial off the ground, hoping that the purified CAR-T cells will prove to have fewer side effects and a longer-lasting result than commercial CAR-T cells on the market.

■ Marvella E. Ford, Ph.D., HCC associate director, Population Science and Community Outreach and Engagement, was recognized by Modern Healthcare as a Top 25 Diversity Leader in Healthcare for 2023. This recognition places Ford in an elite group of leaders implementing strategies and practices to promote diversity, equity and inclusion and affecting the communities they serve.



■ Kalyane Sonawane, Ph.D., HCC researcher and associate professor, Department of Public Health Sciences, was interviewed for a New York Times article regarding her research on parental attitudes on HPV vaccinations, published on February 23.

# ACADEMICS – FACULTY

■ Evan Graboyes, M.D., director of Survivorship and Cancer Outcomes Research at HCC; Silvia Guglietta, Ph.D., assistant professor in the Department of Regenerative Medicine and Cell Biology; Erin McClure, Ph.D., associate professor in the Department of Psychiatry and Behavioral Sciences; Joni Nelson, Ph.D., chief of the Division of Population Oral Health at the James B. Edwards College of Dental Medicine (CDM); and Tracy Smith, Ph.D., associate professor in the Department of Psychiatry and Behavioral Sciences, were invited to participate in the 2024 National Academy of Medicine (NAM) Emerging Leaders Forum. The exclusive event is a key gathering that aims to increase NAM's engagement with exceptional interdisciplinary early- to mid-career professionals working in biomedical science, population health, health care, health policy and related fields.

■ Kathy Chessman, Pharm.D., department chair and professor of Clinical Pharmacy and Outcomes Sciences at the COP, was recently recognized as “Pharmacist of the Year” by two organizations: the national advocacy organization Pharmacist Moms Group and the South Carolina Society of Health-System Pharmacists.

■ Megan Donaldson, PT, Ph.D., chair of CHP's Department of Rehabilitation Sciences, was elected president of the American Academy of Orthopaedic Manual Physical Therapists.

■ Cristina Reyes Smith, OTD, CHP Division of Occupation Therapy, has been elected to vice president of the American Occupational Therapy Association, and is the first person from MUSC and South Carolina and the first Latina to hold the position.

■ Nancy Carson, Ph.D., PT, CHP associate dean for Academic Affairs, was awarded the South Carolina Occupational Therapy Association Lifetime Award (SCOTA). The award is the highest honor awarded by SCOTA. Individuals considered for this award have demonstrated distinguished and consistent service to SCOTA, the state of South Carolina and the profession of occupational therapy.





# ACADEMICS – RESEARCH

- The National Institute of Health (NIH) Blue Ridge rankings for FY 2023 reflect that MUSC has climbed in national rankings from 53 to 50.
  - CHP is ranked 3rd in the nation in terms of total NIH funding among Schools of Allied Health Professions.
  - COM is now ranked in the top 50 for NIH funding. Breaking into the top 50 places the college among prestigious institutions from across the U.S. When looking at only public institutions, it is among the top 25 in the country.
  - COM also has five departments ranked in the top 25: Psychiatry (9th), Otolaryngology (10th), Neuroscience (15th), Public Health (20th) and Regenerative Medicine (23rd). Other top achievers include Biochemistry, ranked 34th and Surgery, 35th.
- The COM has 37 faculty members, from 13 departments, funded by the NIH in the top 25% of their respective fields, with 11 individuals in the top 5%: Kelly Barth, Psychiatry – top 3%, Howard Becker, Psychiatry – top 5%, Kathleen Brady, Psychiatry – top 1%, Chris Cowan, Neuroscience – top 5%, Judy Dubno, Otolaryngology – top 1%, Ray DuBois, Biochemistry – top 2%, Steve Duncan, Regenerative Medicine – top 2%, Evan Graboyes, Otolaryngology – top 4%, Denis Guttridge, Pediatrics – top 4%, Peter Kalivas, Neuroscience – top 4%, Aimee McRae-Clark, Psychiatry – top 4%.
- The Office of Research and Sponsored Programs funding dashboard is live and showing a \$74.9 million increase from fiscal years 2023 and 2024. Contributing to this difference are the \$7 million grant for the CHP RENEW Center and 62 new awards within the COM.

- Eight MUSC departments have investigators within the top 25% of nationally funded researchers in their respective specialties. Neuroscience (18th), Public Health (19th) and Anatomy and Regenerative Medicine (25th) round out the top 25 nationally recognized departments.

- Pulmonologist Patrick Flume, M.D., the Powers-Huggins Endowed Chair for Cystic Fibrosis (CF) and director of the MUSC Cystic Fibrosis Program, has been honored by the South Carolina Cystic Fibrosis Foundation for his clinical and research work with CF patients.



- On March 6, the CGS, in partnership with the Department of Regenerative Medicine & Cell Biology (COM), hosted the inaugural “Pioneers in Science” Seminar. The lecture was given by 2006 Nobel Laureate Andrew Fire, Ph.D. This seminar was the most heavily attended event in the college’s history.

- Lu Han, Ph.D., a postdoctoral fellow in the Ostrowski Lab in HCC, was selected as a 2024 Women in Cancer Research Scholar. WICR Scholar Awards are given annually to AACR-WICR members who are scientists-in-training and presenters of meritorious scientific papers at the AACR annual meeting.





# ACADEMICS – RESEARCH

- Matt Carpenter, Ph.D., professor in the Department of Psychiatry, was selected for the Joseph W. Cullen Memorial Award from the American Society of Preventive Oncology (ASPO). This award is the highest recognition by ASPO given to investigators who have made distinguished contributions to national tobacco control efforts. It honors individuals whose leadership is exemplified by a commitment to fostering collaboration in the fight against tobacco and tobacco-related diseases.
- Carol Feghali-Bostwick, Ph.D., the SmartState and Kitty Trask Holt Endowed Chair for Scleroderma Research, was named among the 2023 Class of National Academy of Inventors (NAI) fellows, highlighting academic inventors who have demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development and the welfare of society. This is the highest distinction accorded solely to academic inventors. Feghali-Bostwick is a professor in the Department of Medicine's Division of Rheumatology and Immunology.
- Marc I. Chimowitz, MBChB, Professor Emeritus of Neurology at MUSC, is the recipient of the American Stroke Association's Ralph L. Sacco Outstanding Stroke Research Mentor Award, which recognizes outstanding achievements in mentoring future generations of stroke researchers in the field of cerebrovascular disease. His primary career interests have been in improving treatments for patients with intracranial arterial atherosclerosis and helping to mentor the next generation of clinical and translational scientists.
- Christopher G. Goodier, M.D., associate professor of OB-GYN and associate dean for Admissions, has been awarded the Humanism in Teaching Award from the Association of Professors of Gynecology and Obstetrics, an award that honors OB-GYN educators who are outstanding role models in teaching.
- The Association of Research in Otolaryngology (ARO) Award of Merit was recently presented to Judy Dubno, Ph.D., Distinguished University Professor and director of Research in the Department of Otolaryngology–Head and Neck Surgery. The ARO Award of Merit, given to one researcher per year, recognizes an individual who has made substantial scientific achievements in and contributions to the fields encompassed by otolaryngology.



# MUSC HEALTH

## ENTERPRISE

- Notable, a leading health care intelligent automation company, messaged reminders to women behind on getting mammograms. On the first evening, 147 health appointments were scheduled, with 500 appointments made in the past month.



- Thanks to the Office of General Counsel, the extinguishment of bonds and transfer of Rutledge Tower from the MUSC Foundation (MUSC-F) to Mainsail and University Medical Associates (UMA) occurred as well as the transfer of 13 campus properties from MUSC-F to MUSC and then nine properties to Medical University Hospital Authority (MUHA) (1.88 Acres).

## CHARLESTON DIVISION

- The American Association of Critical-Care Nurses Beacon Award: This award exemplifies excellence in professional practice, patient care and outcomes, including:
  - Shawn Jenkins Children’s Hospital (SJCH) Heart Center intensive care unit - Gold Beacon Award
  - Cardiovascular intensive care unit - Silver Beacon Award
  - Medical-Surgical intensive care unit - Silver Beacon Award
  - SJCH Heart Center Step-down unit - Silver Beacon Award

- MUSC Health Heart & Vascular Center partnered with Medtronic to perform its first round of pulsed-field ablation, a cutting-edge and safer way to treat patients with atrial fibrillation.

- MUSC Health Charleston received a redesignation for its Baby Friendly program.

- West Ashley Medical Pavilion Phase II went live in January 2024.

- The Specialty Pharmacy Consolidated Services Center expansion was completed in March, broadening the specialty pharmacy production footprint inside the building in North Charleston.



Additionally, the Parata line was operationalized in March. This will further automate the prescription-filling process. Parata offers advanced pharmacy automation options, including pouch and blister packaging for medication adherence, fast robotic dispensing technology and solutions for pharmacy workflow.



# MUSC HEALTH

## PEE DEE DIVISION

- MUSC Health Florence was chosen to participate in the Equitable Breakthroughs in Medicine Initiative. This partnership is led by Yale's School of Medicine and seeks to build a clinical trial network of community-based sites to attract more people of color to participate in research.
- The CDM was awarded a \$1.5 million grant from the Pee Dee Consortium to launch a new Rural General Practice Residency Network. A hub-and-spoke model will be used with a six-chair clinic at MUSC Health Florence and two-chair clinics each at Marion and Black River. The program will launch with three residents with plans to grow to six over the next five years.

**EQUITABLE  
BREAKTHROUGHS  
IN MEDICINE DEVELOPMENT™**

## CATAWBA DIVISION

- MUSC Health Lancaster Medical Center was recognized as a Blue Distinction Center for Maternity Care based on effectively responding to pregnancy emergencies, reducing racial disparities and improving maternal health outcomes.

## MIDLANDS DIVISION

- MUSC Health Midlands Cath Lab 5 opened in partnership with Siemens.
- The new OB service line – a \$20 million investment – resulted in two ORs, a four-bed NICU, five-bed nursery, six Labor and Delivery rooms, 10 Mother and Baby rooms.

## ORANGEBURG

- The fourth branded helicopter was secured and will be operationalized in June/July 2024 in MUSC Health Orangeburg.



[musc.edu](http://musc.edu)



[muschealth.org](http://muschealth.org)