



Medical University of South Carolina and MUSC Health Board of Trustees President's Report

December 2022





- MUSC achieved ACGME accreditation for a new Sponsoring Institution: MUSC Regional Network. This accreditation allows MUSC to establish new GME residency programs at the Regional Health Network and clinical affiliates. Tsveti Markova, M.D., FAAFP, will serve as the Designated Institutional Official.
- The Darla Moore Foundation has awarded a \$1.5M gift towards planning primary care GME programs at MUSC Health Florence Medical Center to improve the physician pipeline in the Pee Dee area. MUSC Health is matching the gift.
- The MUSC Office of Institutional Advancement won a “Best of District III” [Council for Advancement and Support of Education Award](#) for raising more than \$7.4M for DEI initiatives, programs, and scholarships.
- As part of the strategic partnership, MUSC Health and Siemens Healthineers partnered in transformative remote scanning MRI service. In late October 2022, MUSC began the statewide implementation of Siemens Healthineers’ syngo Virtual Cockpit remote scanning assistance software starting with MUSC Columbia Medical Center Northeast, in the Midlands market. The syngo Virtual Cockpit is a software solution designed to assist scan procedures for patients from a distance, eliminating the need to travel greater lengths for health care. MUSC Health is the first in the state to introduce this new technology.
- Medical University of South Carolina (MUSC), Charleston County School District (CCSD), and Trident Technical College (TTC) announced a partnership that will expand opportunities for Charleston area students to explore and become certified in health sciences careers. The pathways program will start at Burke High School in the fall of 2023. This new partnership creates career readiness pathways for roles in health care, including but not limited to phlebotomists and certified nursing assistants, registered nurses, and physicians.
- General Catalyst partnered with MUSC, MetroHealth, Banner Health, and 6 others on digital innovation. General Catalyst is partnering with nine more hospitals and health systems as the venture capital firm aims to drive health care’s digital transformation. The organizations span 43 states and include academic, children’s, for-profit and nonprofit institutions that make up about 12% of U.S. health care revenue and 13% of the country’s hospital beds. The partnerships could yield new companies, joint investments, further development of existing technologies at the health systems, or partnerships with General Catalyst’s digital health portfolio companies.
- Quai.MD and MUSC Health agreed to a strategic licensing deal to turn static clinical protocols into an AI-enhanced ‘clinical GPS’ for physicians. This agreement is intended to significantly improve physician productivity, patient outcomes and hospital billing efficiency by highlighting and tracking possible clinical pathways and the diagnostic decisions of patients.

ACADEMICS: EDUCATION



- In October, the Master of Science in Genetic Counseling Program received accreditation as a new program from the Accreditation Council for Genetic Counseling (ACGC). The College of Health Professions will welcome the first cohort of students in fall 2023.
- The College of Health Professions received Phase II approval to proceed with the full design and construction of an additional CHP building on President Street. The new building has expected completion in spring 2025.
- The College of Pharmacy presented at the 2022 South Carolina Society of Health-system Pharmacists Fall Meeting in Columbia on October 7. Chris Donaldson and Caroline Donaldson won first-place, and Elisabeth Cox and Mattison Lechner finished second in the statewide verbal competition of the American Society of Health-system Pharmacists (ASHP) Clinical Skills Competition. These teams will compete at the national ASHP Midyear meeting in Las Vegas in December 2022.
- MUSC Student Government Association successfully hosted one of its largest interprofessional networking events hosting 800 students at the South Carolina Aquarium on November 4, 2022.
- On October 8, 2022, the Wellness Center and Hollings Cancer Center hosted the first MUSC [Annual Breast Cancer Survivors Expo](#). More than 100 cancer survivors, family, and friends attended, and 18 vendors participated. Additionally, the MUSC Wellness Center participated in the annual Parkinson's Symposium on October 29, 2022, hosting multiple sessions, including a panel discussion on how to incorporate exercise into daily life.
- Shannon Jones, MLS, M.Ed., AHIP, President of the Regional Medical Library (RML), represented MUSC Libraries at the Southern Chapter of the Medical Library Association Annual Conference in October 2022.
- PharmD student AJ Alford won the Sigma Xi Award for the best presentation between all qualified oral and poster submissions at the 57th Annual Perry V. Halushka Research Day in November 2022.
- Mary McGraw Smith, MT, Director of Instructional Technology, and Julia Rowland, M.Ed., Instructional Designer and Training Specialist, were selected as 2022-2023 Microsoft Innovative Educator Experts. The Microsoft Innovative Educator Expert recognizes global educator visionaries using technology to pave the way for better learning and student outcomes.

ACADEMICS: FACULTY



- Mulugeta Gebregziabher, Ph.D., Professor in our Department of Public Health Sciences, received the Victor Sidel and Barry Levy Award for Peace from the American Public Health Association for bringing global attention to the Ethiopian government's human rights violations against residents of his native country's Tigray region.
- Nathan Rowland, M.D., Ph.D., Assistant Professor in our Department of Neurosurgery, has been elected to the American Society of Stereotactic and Functional Neurosurgeons Board of Directors.
- Gerard Silvestri, M.D., Professor in our Department of Medicine, has been awarded Master Fellow from the American College of Chest Physicians. This award honors national or international Fellows of CHEST who have distinguished themselves by attaining professional preeminence.
- Rosaura Orengo-Aguayo, Ph.D., Associate Professor in our Department of Psychiatry, recently participated in an interview with Dr. Vivek Murthy, U.S. Surgeon General, on "[What Do Natural Disasters Mean for Our Mental Health?](#)"
- Deborah Deas, M.D., MPH (adjunct faculty Department of Psychiatry) and was recently elected to the National Academy of Medicine. An MUSC alumnus, Dr. Deas is currently the Vice Chancellor for Health Sciences, and the Mark and Pam Rubin Dean for the University of California Riverside School of Medicine. Dr. Deas served as a long-time faculty member and in many leadership roles in the College of Medicine, including Senior Associate Dean for Medical Education and Interim Dean.

ACADEMICS: RESEARCH



- Raymond DuBois, M.D., Ph.D., was recently elected and inducted into the National Academy of Medicine.
- Hollings Cancer Center (HCC) National Cancer Institute (NCI) funding has increased by 60%, and total peer-reviewed cancer research funding by 30% compared to their 2018 Cancer Center Support Grant (CCSG) submission.
- Jennifer Dahne, Ph.D., received two R01's and one R41 in 2022. They include "Hybrid Type 1 Effectiveness-Implementation Trial of a Proactive Smoking Cessation Electronic Visit for Scalable Delivery via Primary Care" (R01 CA258669-01A1), "Addressing Rural Cancer Disparities via Proactive Smoking Cessation Treatment within Primary Care: A Hybrid Type 1 Effectiveness-Implementation Trial of a Scalable Smoking Cessation Electronic Visit" (R01 CA268023-01), and "Development and Evaluation of an Integrated Biomarker Capture System for Use in Remote Trials" (R41 TR004224-01).
- Shikhar Mehrotra, Ph.D., and Brian Hess, M.D., obtained FDA approval for their Car-T therapy for treating patients with lymphoma at HCC.
- Joe Delaney, Ph.D., obtained a Director's Innovator grant from NIH/NCI, titled "Tumor suppressor vulnerability conferred by aneuploid loss of haploinsufficient metallothionein genes" (DP2 CA280626-01).
- Brandon Welch, Ph.D., assistant professor in the Biomedical Informatics Center, received the 2022 Telehealth Innovator Award during the 10th Annual Telehealth Summit of South Carolina.
- Kenneth Michael Cummings, Ph.D., MPH, was recently awarded the 2023 Doll-Wynder Award from SRNT. This prestigious award honors scientists who have made groundbreaking advances in public health, public policy, or epidemiological research.



ENTERPRISE

- MUSC Health has experienced a 35% growth in “covered lives” in value-based programs from CY21 to CY22.
- The relationship with the South Carolina Department of Corrections (SCDOC) continues to grow with the recent addition of GI services, opening of the Chester inpatient facility, and mobile mammography.
- Chief Digital Transformation Officer, Crystal Broj, joined the MUSC team from the Northshore University System in New York in October 2022.
- Successful enterprise resource planning software (Ourday) went live in October. There is still a significant amount of ongoing work associated with this mammoth transition. This allowed elimination of 56 legacy systems and better software capability moving into the future.
- MUSC Health received an unqualified audit opinion for MUHA and Mainsail, transitioning a successful movement to JP Morgan Banking for MUHA to be financially poised for digital transformation.
- MUSC Health received a SCHA Zero Suicide reward, 2nd year in a row.
- James Hill, OD, Board Certified Occupational Health physician, was recruited to start an Occupational Medicine service.
- A new molecular pathology test – a predictor for post operative pain – was rolled out in the Charleston preop clinic.
- Lauren LeBeau, M.D., pathologist, was recruited as the new Pathology/Lab I.C.C.E. Chief and onboarded.
- Katie King, M.D., was recruited and hired as Chief Medical Information Officer.
- MUSC Health recognized as ‘Most Wired’ health system by College of Healthcare Information Management Executives.



MUSC HEALTH CHARLESTON

- MUSC Hollings Cancer Center's CPC and NAPBC statuses were successfully reaccredited.
- The MUSC National Pancreas Foundation Center of Excellence successfully received its renewal of designation.
- Health Care Heroes Nominations were submitted for:
 - Steve Kahn (Physician)
 - Sara "Nancy" Sezginalp (Service/Therapy Animal)
 - Carrie Moore (Nurse)
 - Anna Blake (Nurse)
 - Jennifer Boolean (Nurse)
- The MUSC Northwoods Pediatrics office expanded with additional space and an additional pediatrics provider.
- MUSC Health Charleston opened multiple new areas of expansion in ambulatory care including Park West, Northwood Pediatrics, Nexton, and Point Hope.
- The Medical University of South Carolina (MUSC) and Shriners Hospitals for Children (Shriners Children's) have announced an affiliation to elevate pediatric burn care and research at the MUSC Shawn Jenkins Children's Hospital. This is a component of the comprehensive South Carolina Burn Center. As a part of this affiliation, Shriners Children's announced a \$3 million grant to establish the Shriners Children's Endowed Professorship in Pediatric Burn Care. The funds will be matched by funding from MUSC and support the only pediatric burn care center in the state, which includes a specialized pediatric burn unit. Together, the affiliation's mutual goal is to establish cutting edge research and best in class pediatric burn care delivery.

MUSC HEALTH FLORENCE

- MUSC Health Florence was recognized by US news and World Report as high performing in Heart Failure, Stroke, COPD, and Kidney Failure.
- MUSC Health Florence received from SCHA - 12 Zero Harm Awards.
- MUSC Health Florence Inpatient Rehabilitation had a successful reaccreditation by CARF.



MUSC HEALTH LANCASTER

- The MUSC Health Lancaster Kidney Transplant program was surveyed for accreditation. The program has performed 19 transplants to date.
- MUSC Health Lancaster received from SCHA - 16 Zero Harm Awards, including the Zero Harm Leadership Award to Scott Broome, MHA, FACHE, their CEO.
- MUSC hosted a stakeholder and media tour of the new 36-bed secure inpatient unit at MUSC Health Chester Medical Center. The first SCDOC patients are expected in January 2023.

MUSC HEALTH MIDLANDS

- MUSC Health Midlands received from SCHA - 17 No Harm Awards.
- Bear Coney, M.D., Advanced Heart Failure physician, is now performing Barostim and CardioMEMS procedures at MUSC Columbia Medical Center.
- Gabor Winkler, M.D., Vascular Surgeon, is now performing Trans Carotid Artery Revascularization (TCAR) procedures at MUSC Columbia Medical Center.
- Rami Batarseh, M.D., Pulmonary/Critical Care physician, is now performing Endotracheal Bronchoscopy Ultrasound (EBUS) procedures at MUSC Kershaw Medical Center.



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