



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

April 2023



- Todd Headley joined MUSC on February 27, 2023, as the Chief Executive Officer of the Zucker Institute for Innovation Commercialization, the combined group formerly known as MUSC Foundation for Research Development and Zucker Institute for Applied Neurosciences.
- MUSC was named as one of three founding partners (along with the South Carolina Research Authority and the South Carolina Department of Commerce) of the inaugural Governor-proclaimed South Carolina Innovation Month taking place in April. The month is a celebration of the technology and innovation ecosystem in South Carolina.
- The In Our DNA SC community health research program, a population genomics collaboration between MUSC and Helix, celebrated its first birthday in March with an event on the Medical District Greenway in Charleston. The gathering was successful in enrolling 49 participants and educating more than 200 additional attendees. The program has enrolled nearly 25,000 participants across South Carolina, including individuals from all 46 South Carolina counties.
- SCBio, a statewide organization dedicated to building the business of life sciences in South Carolina, awarded the 2023 South Carolina Life Sciences Rising Star Award to Caroline Brown, MBA, MUSC Chief Strategy and External Affairs Officer. This award highlights up-and-coming innovators and leaders under 40 who contribute to the advancement and transformation of life sciences in South Carolina.
- Patrick J. Cawley, M.D., MBA, CEO, MUSC Health and Executive Vice President for Health Affairs, University, is one of six health system CEOs globally chosen to lead the Epic CEO council. This council allows CEOs to connect, exchange perspectives, influence Epic's strategy, and tackle some of the health care industry's biggest challenges.
- Crystal Broj, MUSC's inaugural Chief Digital Transformation Officer, has been invited to serve on the national advisory council for one of our digital transformation partners, Notable. The commission is comprised of a handful of health care executives who will work together to share best practices for Artificial Intelligence, EHR optimization, data interoperability, and more.

ACADEMICS: EDUCATION



- The MUSC College of Nursing’s American Nurses Credentialing Center First-Time Certification Pass rates for our 2022 Psych Mental Health Nurse Practitioners and Family Nurse Practitioners graduates was 100%.
- The MUSC College of Medicine’s (COM) MPH Generalist program was approved by the South Carolina Commission on Higher Education. This new program, housed within our Department of Public Health Sciences, is slated to begin this fall.
- The MUSC COM had a successful residency match on March 17, 2023. The overall match rate pre-SOAP (The Supplemental Offer and Acceptance Program) was 92.5%, just below the national average of 93.7%. Following SOAP, 99% of the 158 graduating students of the Class of 2023 secured a residency position.

Of the training specialties students will be pursuing, Categorical Internal Medicine led the way with the highest number of students at 21 (13.3% of the graduating class). Other popular specialties included Pediatrics (9.5%), Family Medicine (8.9%), Diagnostic Radiology (7.6%), and Anesthesiology (7%).

A total of 56 (35.4%) students will remain in South Carolina to complete their residency training, with 44 of these students staying here at MUSC. 39.2% of the class will enter primary care (including Internal Medicine, Family Medicine, Pediatrics, Medicine-Pediatrics, Obstetrics, and Gynecology).

MUSC COM Graduating Students Entering Primary Care Specialties **% of Graduating Students Remaining in SC for Residency Training (any specialty)**

| Year | Internal Medicine | Pediatrics | Medicine-Pediatrics | Family Medicine | Obstetrics and Gynecology | Total | |
|------|-------------------|------------|---------------------|-----------------|---------------------------|-------|-----|
| 2019 | 12% | 11.4% | 1.8% | 8.4% | 6.6% | 40.2% | 33% |
| 2020 | 15.1% | 10.8% | 1.2% | 12.0% | 4.8% | 43.9% | 30% |
| 2021 | 18.6% | 8.5% | 1.7% | 12.4% | 2.3% | 43.5% | 33% |
| 2022 | 16.6% | 12% | 1.3% | 11.3% | 7.3% | 48.5% | 27% |
| 2023 | 13.3% | 9.5% | 2.5% | 8.9% | 5.1% | 39.2% | 35% |

Students were also matched to programs in other competitive subspecialties: Emergency Medicine (10), General Surgery (8), Obstetrics and Gynecology (8), Orthopedic Surgery (8), Pathology (5), Medicine-Pediatrics (4), Ophthalmology (4), Dermatology (3), Otolaryngology (3), Psychiatry (3), Plastic Surgery (2), Interventional Radiology (2), Neurology (2), Physical Medicine and Rehabilitation (2), Urology (2), Medicine-Psychiatry (1), Radiation Oncology (1), and Thoracic Surgery (1).

The Class of 2023 included nine students who will enter military service, beginning their residencies at Walter Reed National Military Medical Center (4) in Bethesda, MD; Wright Patterson Air Force Base in Dayton, Ohio; Madigan Army Medical Center in McChord, WA; Nellis Air Force Base in Las Vegas, NV; Tripler Army Medical Center in Honolulu, HI; and Naval Hospital Camp Pendleton in Oceanside, CA.

ACADEMICS: EDUCATION



- Two of our MUSC third-year students, Ashley and Alexa Golbus, were accepted to the 2023-2024 class of the National Institutes of Health (NIH) Medical Research Scholars Program, a yearlong research immersion program for future clinician-scientists that advances health by inspiring careers in biomedical research. This is a highly competitive program for students from accredited medical, dental, or veterinary programs. Further information about the program is available [here](#). They will be our second and third students to participate in this program. Leah Cobb, a rising fourth year, is currently participating in the program at the NIH and was the first to do so from MUSC.
- On February 28, 2023, the MUSC COM celebrated the induction ceremony for the newest members of the Paul B. Underwood Chapter of the Gold Humanism Honor Society.

Class of 2024

Christopher Baltimore
Joshua Lee Cagle
Ariana “Savanah” Campbell
Jonathan Ferguson
Elizabeth T. Gammeltoft
Sonya Ketchens
Sam Light—AnMed
Molly Mead
Ryan Moore
Raj Patel
Wanya Pridgen
Ritchelli Quintao
Olivia Reszczyński
Peyton Russell - AnMed
Craig Salvador
Kayla Shine
Jalissa Suarez—AnMed
Kassidy Sullivan
Shelby Storm—AnMed
Michael Vinzani
Whitney Washington
Luke Wessler
Emma Wetmore
Benjamin Young

Class of 2025

Brogan Brown
Annie Cribb
Dan Combs
Johnathan Gillespie
Alex Humphreys
Douglas Jiminez
Chole Keeve
Madison Ladines
Abigail Mandel
Megan McDonald—AnMed
Wyatt McDonald—AnMed
Avery Ofoje
Mayank Kumar Patel
Carter Powell
Price Rainwater
Jasmine Richards
Louis Runge
Subina Saini
Angelica Walker

ACADEMICS: EDUCATION



- The MUSC Office of Student Engagement (OSE) hosted the sixth annual Discover MUSC on March 2 and 3, 2023. Discover MUSC introduces high school students to MUSC and exposes them to myriad career opportunities in health care. This engaging educational event involved over 547 students and 49 chaperones from 22 schools in Charleston, Berkeley, and Dorchester County. The OSE also hosted its inaugural Envision Day on Friday, March 24, 2023, a day-long immersive campus visit experience for undergraduate students interested in health care. Attendees at Envision Day represented College of Charleston, Charleston Southern University, the University of South Carolina, Clemson University, and South Carolina State University.
- The MUSC Wellness Center recently won three awards from Health Links Magazine in 2023: Best Fitness Center, Best Personal Trainer: Alicia O'Connor, and Best Exercise Program: Rock Steady Boxing (an exercise program for persons fighting Parkinson's disease).
- The MUSC College of Dental Medicine (CDM) and its partner, Little River Medical Center (LRMC) in Horry County, have won a second community health center-based Grantee Performance Report (GPR) planning grant from Health Resources and Services Administration (HRSA). This is the same planning grant award CDM has with Affinity Health in York County. The grant aims to plan and develop a new community-based general dentistry residency program to train dentists to meet the clinical needs of rural and underserved populations with clinical rotations at two fixed clinics and mobile dental clinics serving Horry County. LRMC is the grantee, with CDM serving as the academic partner.
- The MUSC College of Graduate Studies hosted the E.E. Just Symposium on February 24, 2023. This event commemorates the life and achievements of E.E. Just, a native Charlestonian and a role model for perseverance in the face of societal obstacles. The event brings in groups of undergraduates from Historically Black Colleges and Universities (HBCU) and other SC institutions of higher learning to honor E.E. Just and attend a meaningful morning session with eminent guest speakers and explore post-graduate educational opportunities at MUSC.
- The MUSC College of Pharmacy's (COP) residency match rate for Phase I exceeded the national average for the 5th consecutive year. Approximately half of the Class of 2023 will be pursuing post-graduate residencies. Residency matches ranged from MUSC Health to Brigham and Women's Hospital, to the University of Chicago, to Stanford's Lucile Packard Children's Hospital. Results of Phase II of the pharmacy match will be available on April 14, 2023, and the post-match "scramble" will follow, after which the COP will know its final match results.
- MUSC COP student, Madison Price, won the South Carolina Society of Health-System Pharmacists (SCSHP) 2023 Outstanding Student Pharmacist Award at this year's annual meeting. Madison Price is a 2020 Clemson University graduate completing an MBA and PharmD.
- The MUSC COP moved into the new building on March 7, 2023. The grand opening event is Friday, April 14, 2023.

ACADEMICS: FACULTY



- Marvella Ford, Ph.D., Associate Director in the Department of Population Science and Cancer Disparities at the MUSC Hollings Cancer Center (HCC), was named a “Remarkable Woman” by WCBD Channel 2 and will be filming a national segment in Los Angeles with other “Remarkable Women” finalists from around the country.
- Jennifer Dahne, Ph.D., and Mindy Engevik, Ph.D., HCC researchers, have been selected for the National Academy of Medicine’s Emerging Leaders Forum. The Forum is an annual assembly of outstanding early and mid-career professionals with exceptional professional promise, achievement, and leadership in biomedical science, health, health care, and related fields.
- Carrie Cormack, DNP, APRN, CPNP-BC, Associate Professor in the College of Nursing, was inducted as a Fellow of Hospice and Palliative Care Nurses Association (HPNA) at the March 2023 Annual Assembly of Hospice & Palliative Care in Montreal, Canada.
- Carol Feghali-Bostwick, Ph.D., Professor in the Department of Medicine, was recently named Associate Dean for Faculty Affairs, Development, and Wellness.
- Anand Mehta, D.Phil., SmartState Endowed Chair of Proteomic Biomarkers in the Department of Cell and Molecular Pharmacology and Experimental Therapeutics, has been named a fellow of the National Academy of Inventors (NAI). It is the highest professional distinction awarded to academic inventors. He has over 100 peer-reviewed publications to his name.
- Benjamin Toll, Ph.D., Professor in the Department of Public Health Sciences, was selected to become the President-Elect for the Society for Research on Nicotine & Tobacco (SRNT). In this capacity, Dr. Toll will be one of nine voting Board Members, and in 2024 he will be the President and lead the Society, including visits to Congress and the FDA to discuss US policies regarding nicotine and tobacco.
- Rachel Whitney, MLIS, AHIP, Instructor in the MUSC Libraries, was selected as one of the Medical Library Association’s (MLA) Rising Stars for 2023-2024. The Rising Start program works to develop skills and gain knowledge to become a leader within MLA.
- Shannon D. Jones, EdD, M.Ed, MLS, AHIP, FMLA, Professor in the MUSC Libraries/Network of the National Library of Medicine, received the Emerging Technologies Section (ETS) Achievement Award. The ETS Achievement Award is given annually to recognize excellence in service to RUSA’s Emerging Technologies Section (ETS). The recipient must have made either a sustained contribution toward attaining the goals of ETS or a single, significant contribution that has positively impacted the section’s work.
- Latecia Abraham-Hilaire, DHA, Associate Professor and Public Information and Community Outreach Director in Academic Affairs, was awarded the Black History Celebration Award on February 19, 2023, at Charleston Church of Christ in Ladson, SC, in recognition of outstanding community service.

ACADEMICS: FACULTY



- Zohar Kapasi, PT, Ph.D., MBA, FAPTA, Dean and Professor in the College of Health Professions, received the Stanford Award from the American Physical Therapy Association's Academy of Education for a paper that he co-authored. This award recognizes authors of manuscripts containing the most influential ideas published in the Journal of Physical Therapy Education for the calendar year.
- Richard Segal, Ph.D., PT, FAPTA, Professor in the College of Health Professions, was awarded the 2023 John P. Maley Award from the American Physical Therapy Association's Academy of Research. This award recognizes outstanding leadership in research over a sustained period.
- David Fitzgerald, DHA, MPH, CCP, Division Director and Assistant Professor of the Cardiovascular Perfusion Division in the College of Health Professions, was selected to become the President-Elect for the American Academy of Cardiovascular Perfusion. As the former President (2012-2014) of the American Society of Extracorporeal Technology, Dr. Fitzgerald is the only person to have held both positions during his career.

ACADEMICS: RESEARCH



- Thomas Curran, M.D., MPH, Assistant Professor in the Department of Surgery and HCC member, is one of 12 surgeons from throughout the country selected for this year's cohort of the National Cancer Institute's Early-Stage Surgeon Scientist Program, which is designed to develop more physician-scientists focused on cancer research.
- The MUSC Division of Population Oral Health (DPOH) led an all-grantees meeting of the School-Based Oral Health Program Initiative, a \$35M program of The Duke Endowment (TDE), Blue Cross Blue Shield of North Carolina Foundation, and the Blue Cross Blue Shield of South Carolina Foundation. The DPOH serves as the lead technical assistance and analytical center for the initiative. Approximately 150 participants from 43 grantee organizations across both states met at TDE headquarters on March 10, 2023.
- Patrick M. Woster, Ph.D., University Distinguished Professor, Chair, and SmartState Endowed Chair in Drug Discovery in the Department of Drug Discovery and Biomedical Sciences, Yuri K. Peterson, Ph.D., Associate Professor in the Department of Drug Discovery and Biomedical Sciences, and Nathan G. Dolloff, Ph.D., Associate Professor in the Department of Cell and Molecular Pharmacology and Experimental Therapeutics, have created what team members believe to be among the first small molecules designed to stimulate immune cells to fight cancer. The team from the lab of Hollings researcher Patrick M. Woster, Ph.D., describes its findings in a paper in RSC Chemical Science. A news release from EurekAlert! was also published about the Hollings researcher developments on February 28, 2023.
- MUSC was recently awarded a Centers of Biomedical Research Excellence (COBRE) grant in Neurodevelopment and its Disorders. The Primary Investigator is Chris Cowan, Ph.D., Professor and Chair of our Department of Neuroscience.
- MUSC will receive \$14M from state Coronavirus Aid, Relief, and Economic Security (CARES) Act funding to conduct a Phase I clinical trial of a novel immunomodulating drug in partnership with OCI Biotech. Charlie Strange, M.D., will lead the study. It will test the safety of an inhalable form of the drug as the first step in developing a novel treatment for COVID and other lung-based inflammatory conditions. The clinical trial represents a collaboration to leverage and develop the life sciences infrastructure within the state, from the manufacturing of the drug form to the conduct of the trial. If successful, the institution is eligible to receive an additional \$13M in funding to lead the Phase 2 clinical trial.
- One of CNN's most viewed articles of 2022 was about hEDS and highlighted Chip Norris, Ph.D., who operates a lab in the Department of Regenerative Medicine and Cell Biology, and the novel research he and his team are producing on this connective tissue disease.



ENTERPRISE

- The Wendy and Keith Wellin Head and Neck Clinic celebrated the opening of an expansion of the clinic, which includes more than 7,200 square feet, eight new exam rooms, two new infusion rooms, office space, and nurses' stations, with two of the rooms designed for virtual consultations. Jason Newman, M.D., chief of the Hollings Cancer Network, anticipates a continuing increase in head and neck cancer patients with complex needs requiring collaborative, multidisciplinary care.
- MUSC Population Health and Family Medicine were awarded a \$580K grant from TDE to develop a community health worker program for addressing social determinants of health risks for patients across the MUSC Health System. The grant funds four community health workers from January 2023 - December 2024.
- MUSC Health Solid Organ Transplant Program performed the first pediatric lung transplant in MUSC history. In addition, heart transplant volumes are top 10 in the nation, and recently developed programs using donors after cardiac death. This was the highest volume kidney pancreas program in the US in 2022 and performed a record number of 55 live donor kidney transplants in MUSC history 2022.

MUSC HEALTH CHARLESTON

- MUSC Health Charleston received successful reaccreditation for the National Association of Epilepsy Centers (NAEC). Our Epilepsy Center is again accredited for two more years as a level 4 center (the highest designation) by the NAEC. We remain the only level 4 center in South Carolina and have been a level 4 center continuously since 2008.
- MUSC Health Charleston has been recognized again by The Joint Commission and the American Heart Association/American Stroke Association as a Comprehensive Stroke Center.

MUSC HEALTH FLORENCE

- The following new certificates of need (CON) were recently awarded in the Florence Division:
 - Additional MRI machines to improve the patient experience with greater access and decreased wait times.
 - Relocation of rehabilitation beds to the MUSC Health Florence Medical Center to improve patient experience and operational efficiency.
 - Additional da Vinci Robot to expand access to the latest technology for minimally invasive surgeries.
 - Relocation and expanding infusion services to improve timely access and coordination of cancer care with co-located clinic space.



- MUSC Health Florence Medical Center celebrated the 1000th Robotic Surgery Case and welcomed its second Da Vinci Xi robot to the program.
- MUSC Health Florence Medical Center reached the 84th percentile for patient satisfaction in February 2023.
- MUSC Health Black River Medical Center was successfully Accredited by The Joint Commission in its inaugural survey.
- MUSC Health Florence Medical Center was accredited by The Joint Commission for Total Knee Replacement.

MUSC HEALTH LANCASTER

- The average daily census for the inpatient unit for the South Carolina Department of Corrections at MUSC Health Chester Medical Center is 15.4 since opening on January 16, 2023. Volumes continue to increase, with the current month's average daily census at 21.
- Strong growth in surgical volume continues within the MUSC Health Lancaster Division, with FYTD March overall surgical volume 20% favorable to the prior year and 7% favorable to budget. Key areas experiencing growth include general surgery, transplant, and urology, which have all benefited from the MUSC Health pipeline through hires of residents and fellows.
- The MUSC Health Surgery Center at Edgewater was recognized by Newsweek as one of America's Best Ambulatory Surgery Centers in 2023.

MUSC HEALTH MIDLANDS

- MUSC Health Columbia Downtown ranked in the top 10 cardiovascular community hospitals in the nation.
- MUSC Midlands was able to reduce operating expenses by \$2M over the past six weeks.



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