



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

## FEBRUARY 2022



# ACADEMICS: RESEARCH



- **MUSC's Foundation for Research Development (FRD) and Kriya Therapeutics signed an exclusive license to develop next generation complement-targeted gene therapies** for the treatment of geographic atrophy, glaucoma, and other ocular diseases. Bärbel Rohrer, Ph.D., Professor of Ophthalmology, led research efforts and the agreement advances those toward clinical application.
- **Researchers from MUSC Hollings Cancer Center (HCC) are part of a \$10 million five-year global study funded by the NCI** that will examine how regulatory policies affect smoking, vaping and the use of other nicotine products.
- **MUSC HCC is one of three NCI-designated cancer centers to be part of the Southeastern Consortium for Lung Cancer Health Equity.** This group was created through a recent Stand Up to Cancer grant to reduce the burden of lung cancer in black communities across Virginia and the Carolinas.
- **The MUSC clinical research infrastructure is nearing completion for our Regional Health Network (RHN).** All investigators, both within the Charleston network and our regional affiliate sites, are now able to request approval to conduct research at an MUSC regional hospital. Requests will be vetted by the MUSC RHN Research Expansion Governance Committee.

# ACADEMICS: FACULTY



- **Peter Kalivas, Ph.D., Professor in the Department of Neuroscience, received the 2021 Julius Axelrod Mentorship Award by the American College of Neuropsychopharmacology.** This award is given to an individual who has made an outstanding contribution to neuropsychopharmacology by mentoring and developing young scientists into leaders in the field.
- **Melissa Cunningham, M.D., Ph.D., Associate Professor in the Department of Medicine, Division of Rheumatology, and Immunology,** received the Mary Betty Stevens Young Investigator Prize from the Lupus Foundation of America. This award recognizes "the remarkable accomplishments of an investigator in the early stages of their lupus career."
- **Cassandra Salgado, M.D., Professor, COM,** has been appointed to serve as Senior Associate Dean for Faculty Affairs, Development, and Wellness for the College of Medicine.
- **William Basco, M.D., Professor, COM,** has been appointed to serve as Associate Dean for Continuing Medical Education (CME) for the College of Medicine.
- **Kristen Hood-Watson, M.D., Assistant Professor, COM,** has been appointed to serve as Assistant Dean for Clinical Curriculum for the College of Medicine.

# ACADEMICS: FACULTY



- **Gayenell S. Magwood, Ph.D., RN, FAHA, FAAN, Professor, College of Nursing (CON)**, serves as Board President of the Lowcountry Chapter of the American Heart Association (AHA). Under Dr. Magwood's leadership, the chapter received the 2020-21 Gold Standard Board Award, the highest board honor bestowed, an honor awarded to only 30 of 104 AHA boards nationwide. This was in recognition of the chapter's collaboration with local non-profits to support The Green Heart Project - to create access to healthy foods and meals.
- **Sean Haley, M.D., MPH, and Nick Shungu, M.D., MUSC Family Medicine**, were selected as one of twenty dyads for the Academic Family Medicine Antiracism Learning Collaborative from the Society of Teachers of Family Medicine.

# ACADEMICS: EDUCATION



- **The College of Dental Medicine (CDM), Department of Stomatology**, has made advancements on its commitment to addressing the state's dental workforce needs unique to safety net and rural communities to include a new General Practice Residency (GPR) Partnership which is an agreement with Affinity Health, a Federally Qualified Health Center in York County, to establish a training program in safety net dentistry, as well as a new Safety Net Dentistry Fellowship Program in which CDM recently received \$1.2 million from the Blue Cross Blue Shield Foundation of South Carolina to establish this new program. Four Fellows will be recruited and conduct clinical rotations at community health center dental clinics across the state.
- **The CDM Pediatric Dentistry** started providing comprehensive dental care at the MUSC Children's Health R. Keith Summey Medical Pavilion on December 6, 2021. This is an expansion and joint partnership between the CDM Pediatric Dentistry and MUSC health.
- **The CON NCLEX-RN 1st Time Pass Rates for all of 2021 was 98.39%**, exceeding the National 1st Time pass rate of 82.48%. The MUSC College of Nursing continues to have one of the highest NCLEX-RN pass rates in the State of SC.
- **The CON RN-BSN program is ranked 3rd in the country by US News & World Reports**, moving from 10th in 2021.
- **The Education, Innovation, and Student Life (EISL) Finance & Administration team was recognized by Academic Health Plans and BlueCross BlueShield of South Carolina** for being a role model to other institutions (in-state and out-of-state) in the way MUSC processes student enrollment/waivers and administers the student health insurance plan.
- **MUSC College of Pharmacy (COP) held a Topping Out Ceremony** to celebrate raising the final beam of its new pharmacy facility. Many MUSC and COP luminaries, including Dean Emeritus William Golod, were on hand to celebrate this pivotal moment.



- **At the invitation of President Biden, on February 2, 2022, MUSC Hollings Cancer Center Director Raymond N. DuBois, M.D., Ph.D., attended a press briefing at the White House** on reigniting the Cancer Moonshot Program. The announcement will highlight plans the administration has to reduce the death rate from cancer by at least 50 percent over the next 25 years and to improve the experience of living with and surviving cancer for patients and their families.
- **The MUSC Office of Innovation is proud to recognize the recipients of the “I am an MUSC Innovator” award for December, 2021;** Dusti Annan Coultas, Ed.D., and Kimberly Kascak, for redesigning the curriculum of Interprofessional Day to a completely virtual format with over 80 small group sessions, Katherine Haltiwanger, for establishing the MUSC Health Henderson Street vaccine clinic in Columbia where over 6,000 people were vaccinated in 11 months, and Justin Roselli, for employing capabilities of Microsoft Teams within the Rapid Response team, enabling the team to provide timely care to our patients.
- **MUSC and Siemens Healthineers signed an additional agreement in conjunction with their strategic partnership.** Through this revenue-generating arrangement, called Voice of Customer, MUSC care team members will provide feedback to Siemens’ product development teams with the goal of continuous refinement and improvement of Siemens technology.
- **Halfway through FY22, the MUSC Office of Institutional Advancement has raised 72% funds than at this same time in FY21,** solicited more support for MUSC halfway through FY22 than in the last five fiscal years in their entirety, and secured a \$2 million gift which will support and name the Phase I Clinical Trials Clinic at the Hollings Cancer Center.
- **The winners of the President’s 2021 Values in Action (VIA) Award** are listed below by the value in which they were nominated:
  - **Compassion:** Brittany Hempton, NP, MUSC Health Florence, and M. Marie Nelson, AS, Resource Management Services Assistant
  - **Respect:** Elizabeth Brown, Ph.D., MPA, Assistant Professor, College of Health Professions
  - **Innovation:** Erik Modrzynski, CBCP, CHSP, CEDP, Ambulatory EHS & Emergency Manager
  - **Collaboration:** Christine Holmstedt, D.O., Professor, College of Medicine, Department of Neurology
  - **Integrity:** Frankie Wilhoit, Administrative Manager, College of Dental Medicine
- **This year Alyssa Rheingold, Ph.D., Professor, College of Medicine, Department of Psychiatry and Behavioral Sciences,** was nominated for the VIA award for collaboration. Due to the tremendous, enterprise-wide contribution of her nomination, President Cole chose to elevate this nomination to President’s Impact Award.



## ENTERPRISE

- **Vision to Learn (VTL) launched on January 10, 2022.** MUSC Health, through MUSC Children's Health and the MUSC Health Storm Eye Institute, provided funds to help to outfit a mobile exam van. VTL has screened 5,739 children in Charleston County and anticipates providing 1,700 pairs of glasses this school year.
- **A CBS Mornings piece featuring Alan Hawes, MUSC Charleston ICU nurse,** who was a photojournalist prior to becoming a nurse, aired in January 2022. This piece focused on his powerful work photographing patients with COVID-19 (with permission). This has been well received by many outside MUSC.
- **MUSC Health was a 2022 American Hospital Association Foster McGaw award finalist** for community health and well-being. This award was received for community outreach work across the state of South Carolina.
- **MUSC Health received the 2022 South Carolina Hospital Association Capstone award** for delivering high reliability, developing a healthy workforce, and building healthy communities.
- **MUSC Health established a \$340B contract pharmacy agreement with Palmetto Infusion** which is the first of this type of arrangement and will improve access for our patients as well as financially benefit both parties.
- **MUSC Health Specialty/retail pharmacy** positively exceeded their budgeted net margin by \$16.6M (Dec FYTD).
- **MUSC Health** implemented three vehicles to provide access to primary care, vaccinations, and COVID testing throughout South Carolina.
- **MUSC Health received the Zero Harm award** for suicide prevention from SCHA and had a significant decrease in CMS rate for seclusion and restraint from 1.54 FY20, 0.61 FY21, to 0.38 YTD.
- **MUSC Health officially opened the Rena Grant Sickle Cell Center** with State of South Carolina Support and had a Duke Endowment grant announced for behavioral health support of adult and pediatric sickle cell clinics.
- **MUSC Health achieved Level 1 Children's Surgery Center** by the American College of Surgeons Children's Surgery Verification Quality Improvement Program. We join 40 other Children's Hospitals nationally and only three others in the Southeast with this honor.
- **The MUSC Health Transplant Program** national rankings for 2021 showcases MUSC Health as one of the highest volume programs in the country. Most notably, MUSC Health is the 10th largest solid organ transplant program inclusive of heart, lung, liver kidney, and pancreas transplants. By organ type, MUSC Health is the fourth largest kidney transplant program in the U.S. and, for the first time ever in the history of the program, we are the highest volume center in the country for deceased-donor kidney transplants. MUSC Health added the 2nd most kidney waitlist addition in the nation. MUSC is also the 5th highest volume pancreas transplant program and the 13th highest volume heart transplant program in the US.



## FLORENCE

- **MUSC Health Florence** completed more than 300 robotic surgeries in less than one year and performed the first robotic hysterectomy.
- **MUSC Florence Perioperative services** received CNOR Strong designation in perioperative care for the 4th year in a row by from the Competency and Credentialing Institute.
- **Devanand Dominique, M.D., Instructor, COM**, was onboarded at MUSC Florence to develop the neurosurgery program in Florence Division.

## LANCASTER

- **MUSC Health Lancaster** goes live for transplants on February 14, 2022.
- **MUSC Health Lancaster** had its first robotic surgery on January 31, 2022.
- **MUSC Health Lancaster** has been named healthcare provider of choice for the seven high schools within Chester and Lancaster counties. Services include athletic trainers employed by MUSC Health at the high schools and professional services by MUSC Health providers.
- **MUSC Health** received Certificate of Need approval to add two additional ORs to the Edgewater Surgery Center in Indian Land. Design activities begin soon with expected completion during early 2023.

## MIDLANDS

- **The MUSC Health Midlands Division** generated positive operating income for December; significantly exceeding budgeted operating income.
- **Columbia Medical Center Northeast** is the first hospital in Midlands area with robotic spine surgery program using the Mazor Robotic System with Brett Gunter, M.D.
- **Columbia Medical Center** is the first hospital in the South Atlantic region to utilize the new Watchman FXD Sheath.
- **MUSC Health Midlands Division** provider recruitment is gaining traction with 11 new physician employment contracts and 21 new advanced practitioner employment contracts executed.



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