



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

FEBRUARY 2021



ACADEMICS: RESEARCH



- **The MUSC-invented Guardian Needle TM was used clinically in MUSC’s operating room the first time during an operation in December.** The intraoperative monitoring needle is sold by RhythmLink® International, LLC.
- **SCTR Research Nexus and the Pulmonary Research Group have activated 2 new COVID-19 vaccine trials, the Janssen Vaccine study and Novavax Vaccine study.** The groups also completed enrollment of the AstraZeneca COVID-19 vaccine study with 639 participants enrolled.
- **Nancy DeMore, M.D., led the development of a drug that was recently approved by the FDA** for the treatment of osteosarcoma.
- **The College of Health Professions ranked #4 in the nation** for National Institutes of Health (NIH) FY20 funding.
- **Clemson and MUSC signed a research alliance agreement** to formally expand our partnership in focused areas of research.

ACADEMICS: EDUCATION



- **Medical student Alan Snyder was recently featured for his work utilizing Artificial Intelligence** (https://www.postandcourier.com/health/musc-student-used-artificial-intelligence-to-find-patients-at-risk-for-covid-complications/article_a7f34a54-3f03-11eb-9033-d3d61c759c83.html) in the effort to combat COVID-19 in vulnerable populations. He presented this work in a poster session during the recent AMA meeting, and has also recently been interviewed by the Wall Street Journal.
- **Construction began in January on the \$58 million dollar academic project to build a new college of pharmacy building incorporated in the basic sciences building (BSB),** renovate all the large classrooms in the BSB building to allow for contemporary learning strategies, and completely renovate the Colbert Library building to include a new COM student lounge and study space, state of the art student learning spaces, a new interprofessional simulation center, newly renovated library classrooms, an innovative “maker” space for students to practice cutting edge technologies such as 3D Printing and an innovation classroom for demonstration of the latest health care related technologies. Current projections have the library and basic science classroom renovation completed by March 2022 and the College of Pharmacy Building completed by July 2022.
- **The Division of Education Innovation and Student Life submitted a total of \$688,782 to University CARES funding Phases I and II,** which was held centrally for pay-for-performance bonuses and COVID-19 expenditures.
- **MUSC has partnered with Claflin University and the College of Health Professions to launch a pilot collaborative URM PA pipeline program entitled Recruitment and Retention of students from a Historically Black College/University (HBCU).** The program and others to follow will strengthen URM applicant preparedness for health professions degree programs.



- **Susan Newman, RN, Ph.D., CRRN, Associate Professor and Assistant Dean of PhD Nursing Science Program, College of Pharmacy, was selected to the Board of Directors for the Nursing division of the Academy of Spinal Cord Injury Professionals.** Dr. Newman will also serve as Chair Academy Research Committee of the Academy of Spinal Cord Injury Professionals.
- **Tina Lopez, Ph.D., Associate Professor, College of Nursing, received the 2021 MLK Humanitarian Award,** given annually to an individual who makes significant contributions in the areas of diversity, equity, and inclusion on their campus or in the community.
- **Michelle Nichols, RN, Ph.D., Assistant Professor, College of Nursing, was elected as President of the Mixed Methods International Research Association.** Dr. Nichols is the first nurse scientist and clinician to serve in this position.
- **Kathleen Brady, M.D., Ph.D., Vice President for Research, received the Julius Axelrod Mentorship Award from the American College of Neuropsychopharmacology.** This award is presented to an ACNP member who has made an outstanding contribution to neuropsychopharmacology by mentoring and developing young scientists into leaders in the field.
- **Jackie McGinty, Ph.D., Professor and Director of the Neuroscience Institute, College of Medicine, received the Pioneer Award** from the Winter Conference on Brain Research.
- **Michael de Arellano, Ph.D., Professor, Psychiatry and Behavioral Medicine, College of Medicine, received the Lifetime Contribution Award for Latinx Mental Health Disparities** at the Association for Behavioral and Cognitive Therapies' SIG meeting.
- **Benjamin Saunders, Ph.D., Professor, Psychiatry and Behavioral Medicine, College of Medicine, received the Lifetime Achievement Award from the International Society for Traumatic Stress Studies.** This award is the highest honor given to an individual who has made great lifetime contributions to the field of traumatic stress.
- **Dean Kilpatrick, Ph.D., Professor, Psychiatry and Behavioral Medicine, College of Medicine, received the Outstanding Service Award from the International Society for Traumatic Stress Studies.** This award is designed to recognize a member of ISTSS who has made a significant and sustained contribution to ISTSS that has enhanced the Society and helped it achieve its goals.
- **Nancy DeMore, M.D., Professor, Division of Surgical Oncology, Department of Surgery, College of Medicine, was named a 2020 fellow of the National Academy of Inventors** in recognition of her spirit of innovation and the lasting impact of her work on cancer patients.
- **Dirk Elston, M.D., Professor and Chair of the Department of Dermatology, College of Medicine, President MUSC Physicians, was appointed** as a member of the National Academies' Committee on the Environmental Impact of Currently Marketed Sunscreens and Potential Human Impacts of Changes in Sunscreen Usage.



- **Derek Brown was appointed to the role of Associate Dean for Development in the College of Medicine effective February 1, 2021.** A South Carolina native, Derek has more than 18 years' experience in health system and academic medicine fundraising at several institutions including most recently Vanderbilt University and Dartmouth.
- **Craig Lockhart, M.D., has accepted the position of Chief of the Division of Hematology/Oncology** in the Department of Medicine with a planned effective date of April 1, 2021. Dr. Lockhart will also serve as Associate Director of Clinical Sciences for the Hollings Cancer Center.
- **The winners of the President's 2020 Values in Action (VIA) Award** are listed below by the value in which they were nominated:
 - Compassion: Carolyn Page, MSM, Assistant Dean of Student Services, College of Nursing
 - Respect: Tonya Hazelton, TACHL Program Coordinator II, College of Nursing
 - Innovation: Satish Nadig, M.D., Ph.D., Associate Professor, Division of Transplant Surgery, Department of Surgery, College of Medicine
 - Collaboration: Iggy Pla, Director of Hospital Facilities Maintenance, MUSC Enterprise
 - Integrity: Sorin Teich, D.M.D., Associate Dean of Clinical Affairs, College of Dental Medicine
- **This year we had two individuals that were nominated for the VIA award that qualified for the President's Impact Award for their tremendous, enterprise-wide contributions with the COVID-19 pandemic.** Cassandra Salgado, M.D., Professor of Medicine and Public Health, Division Director, Infectious Diseases, Hospital Epidemiologist, and Michael Sweat, Ph.D., Professor of Psychiatry and Behavioral Sciences, Director of the MUSC Center for Global Health, were the winners of this inaugural award.
- **The Enterprise Resource Planning (ERP) cloud-based platform contract was awarded to Workday.**



COVID-19 Response:

- Began COVID-19 vaccination on December 15, 2020 with internal care team members first following on December 31, 2020 to external health care workers and January 13, 2021 to those > 70 years of age.
- In collaboration with SC DHEC and SCHA, we completed >500,000 COVID-19 tests in December 2020.

Certificate of Need:

- Certificates of Need (CON) were awarded and implemented for the University Hospital robots (4) and MUSC Health Florence robot (1).

Finance:

- Stewarded \$40 M to MUSC Health from the state Cares Act system.
- Rolled out paid time off (PTO) COVID-19 give back program to MUSC Health care team members.

Operations:

MUSC Health Charleston:

- Opened Chuck Dawley Medical Park site ambulatory clinics on December 9, 2020. This includes ambulatory surgery center, diagnostic imaging, PT/OT, and clinics. Services include orthopedics, PM&R, pain management, hand surgery, and ophthalmology.
- Expansion of Robotic Fleet with 5 new Xi robots consoles. In the first two weeks, completed 54 robotic procedures which is 200% of baseline robotic volumes.

MUSC Health Florence:

- Broke ground on the new Williamsburg/Lake City replacement hospital on January 5, 2021.

MUSC Upstate:

- Opened Grace Internal Medicine through a professional service agreement with Dr. Leon Buffaloe. This internal medicine practice is owned by MUSC and will utilize services from MUSC's new medical services organization that is joint ventured with Tribe513. Intent is for this model to be fine-tuned and then extended to Tribe513 and other community physician practices across the state including Charleston-based community practices.



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